

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

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

**1ST CLASS DISTRICT NAVIGATION AREA (21)
AMBON**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

1st Class District Navigation Area (21) Ambon

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DISNAV	21	Ambon	1st Class
KANWIL	21	Ambon	
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	192	Ternate	3rd Class
	193	Tobelo	4th-A Class
	194	Tual	4th-A Class
	195	Banda	4th-A Class
	196	Elat	4th-A Class
	197	Saumlaki	4th-A Class
	198	Morotai	4th-A Class
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	200	Namlea	4th-A Class
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	203	Labuha	4th-B Class
	204	Saparua	4th-B Class
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

1st Class District Navigation Office (Area-21) Ambon

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	AMBON		
	CLASS	1st	NO.	21

1. LOCATION				
Address	Tel.	Fax	Longitude	Latitude
Jl. Pantai Waihang, Ambon	348772	348771	128° 09' 42" E	03° 41' 48" S

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air TO Ambon [Taking time: 5:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car TO Location [Taking time: 0:30 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> 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
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input type="checkbox"/> Lightning system
Altitude	3.00 m		Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	5,000 m ²		<input checked="" type="checkbox"/> 2 Lines	<input type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions
Num. of story	Two	Voltage	220 V	V Good Bad
Structure	Concrete	Phase	3	<input type="checkbox"/> Power Supply System
Type of roof	Roof Tile	Wire	4	<input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	53	<input type="checkbox"/> Operations of AVR
Type of wall	Concrete	Quality of PLN source		Capacity of fuel for engine
Wall finish	Painting	Fluctuations	220 V ± 5 %	Day tank 30 Liter
Flooring	Porcelain	Availability of power per day	24 Hours	Main tank 3 k Liter
Room Area (m²)		Power interruption /month	15 Times	E/G Stand-by System
Operation room		Total interpt. hours /month	45 Hours	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	24 Hours	<input type="checkbox"/> Dual System
Remark				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS									
Actions taken in equipment failure													
Restoration flow	Maintenance/Checking and Repairing				Chief								
Examples of major failure	Power Supply (Transmitting) burned				Operator (skilled) ()								
Sufficiency of spares	Not available				Technician (skilled) ()								
Records of damages				Environmental Conditions									
<input type="checkbox"/> Heavy rainfall		Good	Bad	Administrator									
<input type="checkbox"/> Storm		<input type="checkbox"/>	<input checked="" type="checkbox"/>						External noises				
<input type="checkbox"/> Lightning		<input type="checkbox"/>	<input checked="" type="checkbox"/>						Air pollution				
<input type="checkbox"/> Other calamity									Total				
Institutional and Human Statuses				Training Record									
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee					
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough										
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough										
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough										
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough										
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable										
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable										

SUMMARY OF DISNAV	SITE	AMBON		
	CLASS	1st	NO	21

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 Telecommunications is very important in Maluku, because : Maluku consists of islands that bordered by sea; 90% maluku areal is the sea So many ships as the transportation between island; The weather is not sure, therefore Maritime telecommunication facility is needed for monitoring the shups which are sailing in Maluku
Remarks	

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

Kanwil Office (Disnav Area - 21) Ambon

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	AMBON		
	CLASS		NO.	21

1. LOCATION				
Address	Tel.	Fax	Longitude	Latitude
			128° 11' 49" E	3° 41' 34" S

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Ambon {Taking time: 5.00 hr.}	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car to Location {Taking time: 0.30 hr.}	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
		<input type="checkbox"/> 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
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> <input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	m		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	m ²		<input type="checkbox"/> Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions
Num. of story	Three	Voltage	220 V	Good Bad
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	<input type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Concrete	kVA	5.5	<input type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Concrete	Quality of PLN source		Capacity of fuel for engine
Wall finish	Painting	Fluctuations	V ± %	Day tank
Flooring	Teraso	Availability of power per day	8 Hours	Liter
Room Area (m ²)		E/G Stand-by System		
Operation room	30.00	Total interpt. hours /month	240 Hours	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System
Remark				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure								
Restoration flow				Chief	1			
Examples of major failure				Operator (skilled)	4 ()			
Sufficiency of spares				Technician (skilled)	()			
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	External noises	Total			
<input type="checkbox"/> Lightning		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Air pollution	5			
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Operator	III	Jakarta	1989	1
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Operator	Oru			15
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF KANWIL	SITE	AMBON		
	CLASS		NO.	21

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			

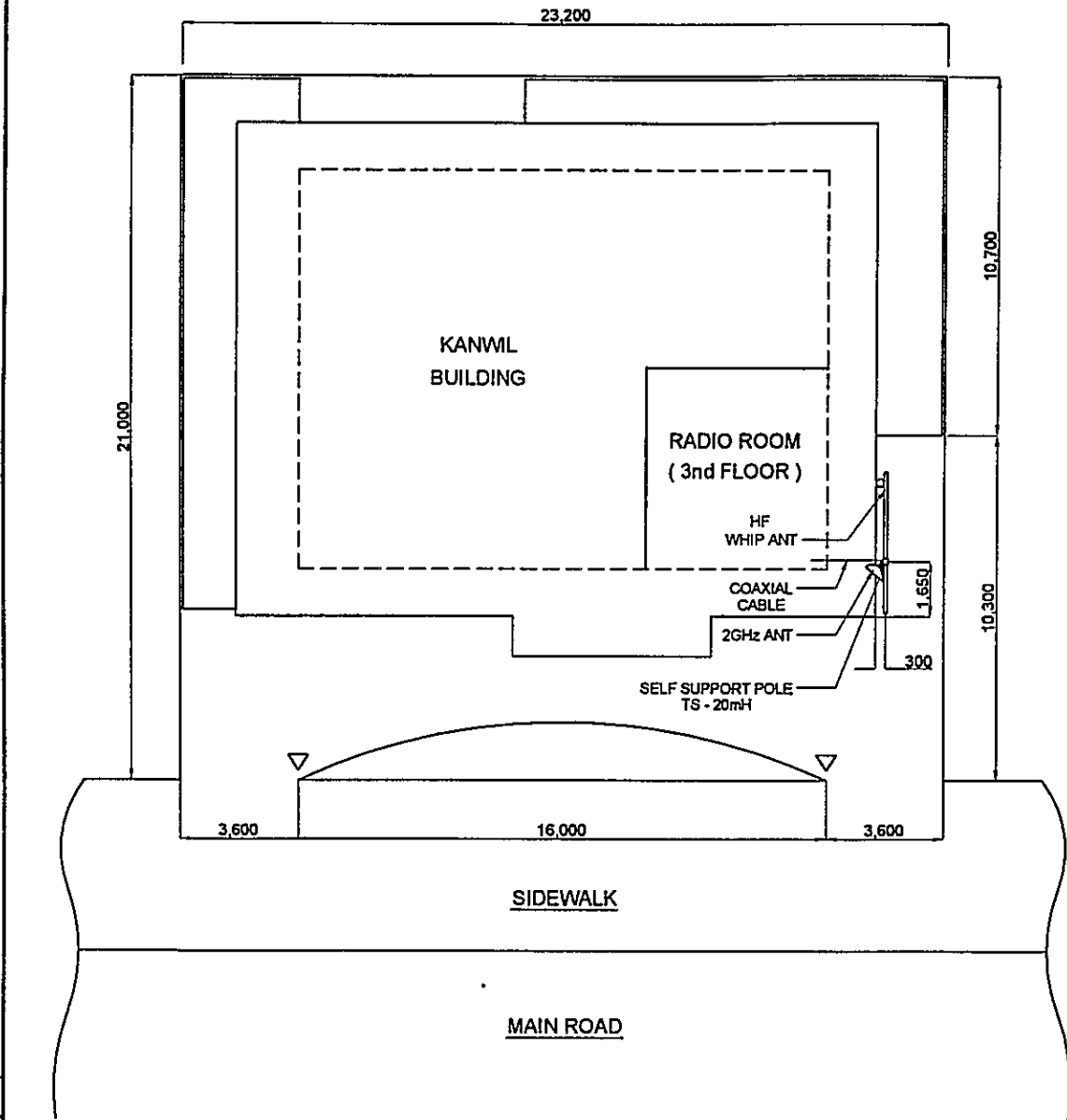
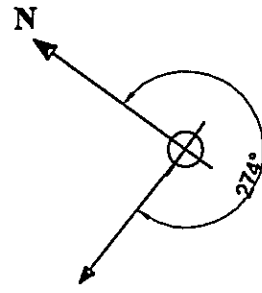
7. COMMENTS	
Suggestion	Maritime telecommunications is needed in Maluku as the island area. Nature condition with the strong wind on the mechine Information facility is very important if there is distress on the sea
Remarks	

INVENTORY

Site Name: Kanwil Ambon

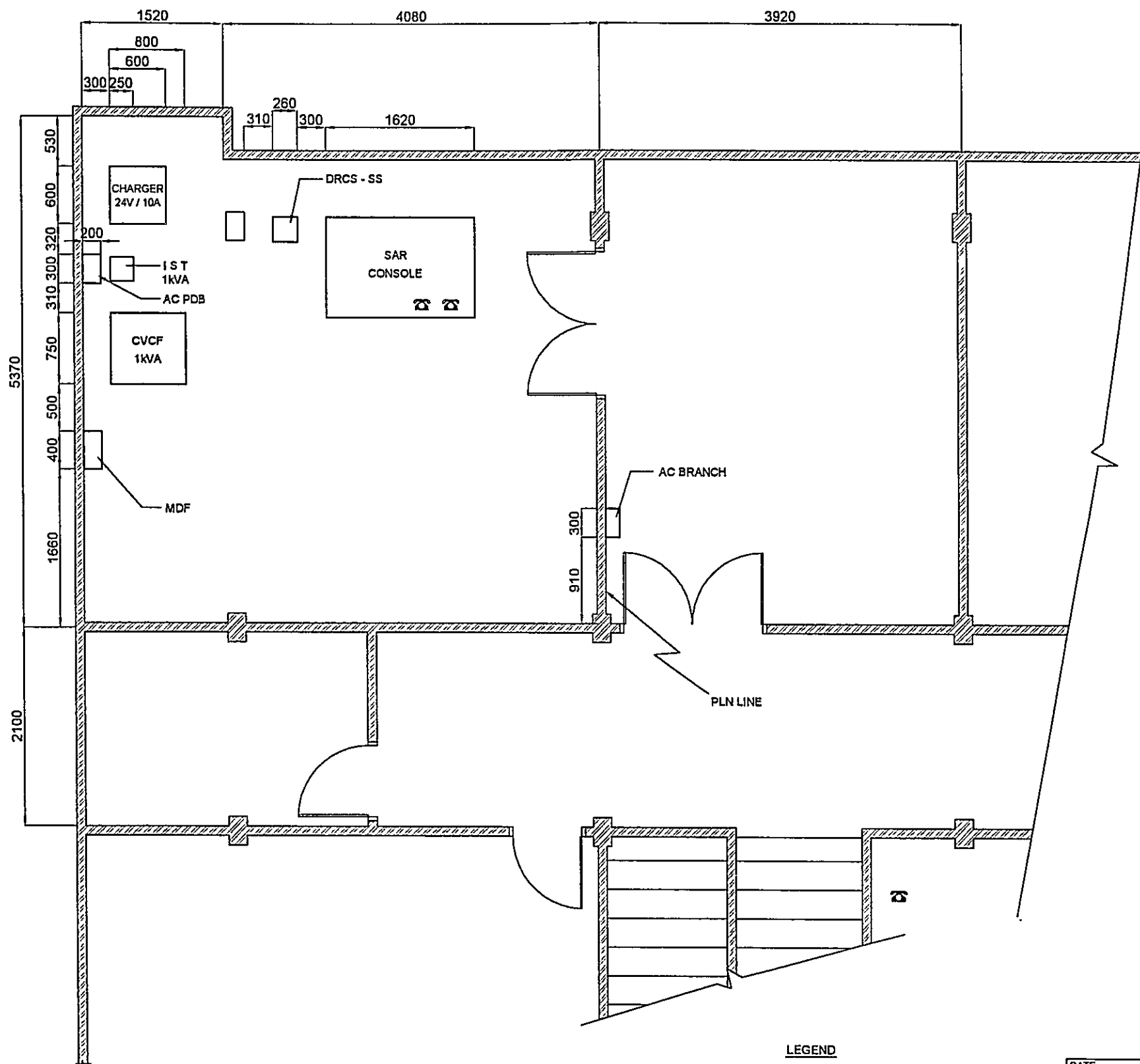
KWIL-AMB-XXI-(1/1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		DRCS (Subscriber Station Eqpt)	JUL-105	ET-12127	JRC	1990	SAR Project		Damaged
1		DRCS SS Type II							
1-2		Operator Console/Desk/Rack	NCH-300P	BP-91804	JRC	1989	SAR Project		Good
1-2-1		HF TG/TP Console	NCH-300P	BP-91805	JRC	1989	SAR Project		Good
1		TX Telecontroller							
2		TX Telecontroller							
1-2-2		Search & Monitor Console							
1		SAR Console							
2		2182KHz/A Monitor	CCN-181	BP-91903	JRC	1989	SAR Project		Good
3		Digital Clock	NKH-17	BP-92354	JRC	1989	SAR Project		Damaged
4		Dialing Unit	NQU-13		JRC	1989	SAR Project		Damaged
5		Signal Controller	NQP-21	BP-92297	JRC	1989	SAR Project		Damaged
6		Speaker Panel	NVA-64	BP-91735	JRC	1989	SAR Project		Good
7		Telephone Device	NQW-143		JRC	1989	SAR Project		Good
1-2-3		DSC Console							Damaged
1		Remote Control Rack							
2		RX Telecontroller	NCG-95	BP-26472	JRC	1989	SAR Project		Good
3		Scanning Unit	NDH-93	BR-49349	JRC	1989	SAR Project		Good
4		Receiver	NDR-93	BR-49349	JRC	1989	SAR Project		Good
1-2-4		DSC Equipment							
1		DSC Equipment	NCT-60G	GA-11264	JRC	1989	SAR Project		Good
1-3		VHF System							
1		Main Distribution Frame	NQE-3575	S18758	SODEM	1989	SAR Project		Damaged
2		Power Supply Equipment							
2-1		Power Distribution Board							
1		Power Supply-1	BPS-2	167077	JRC	1989	SAR Project		Good
2		Power Supply-2	TI-220	1946	JRC	1989	SAR Project		Good
3		Power Supply-3	NBG-31	S-6496	JRC	1989	SAR Project		Good



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[Signature]

DATE July 16, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 200	SITE NAME AMBON	
DIMENSION Milimeter	DRAWING NO. K, W, I, L, - A, M, B, - 1, 9, 1, - 2, 1	
- PT. Aneka Asia Buana		

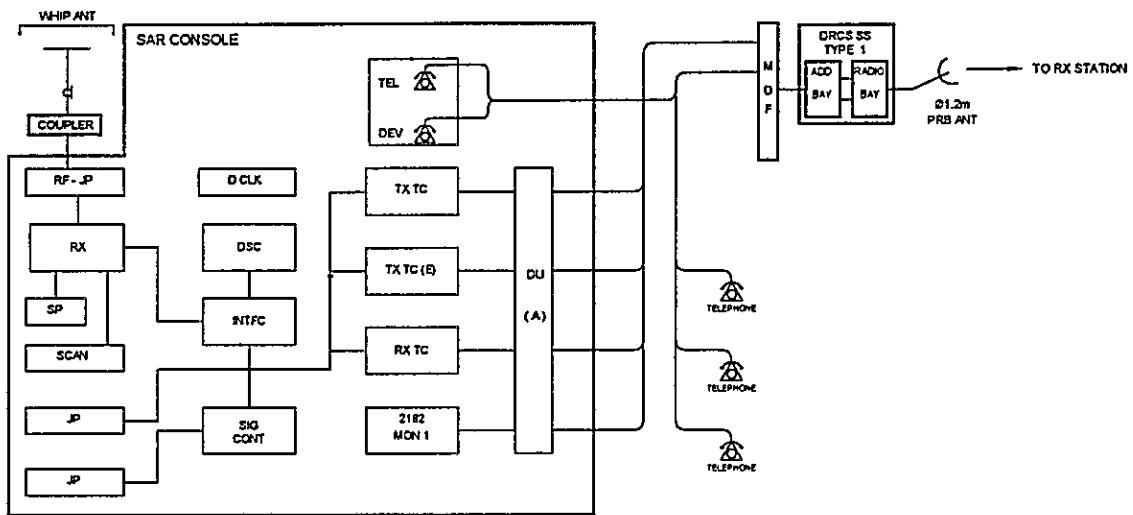


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LEGEND

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

DATE	DRAWING TITLE	SHEET NO
July 17, 2001	EQUIPMENT FLOOR LAYOUT	1/1
SCALE	SITE NAME	
1 : 50	AMBON	
DIMENSION	DRAWING NO	
Millimeter	K, W, I, L, - A, M, B, - 1, 9, 1, - 3	



DRAWN BY AAB

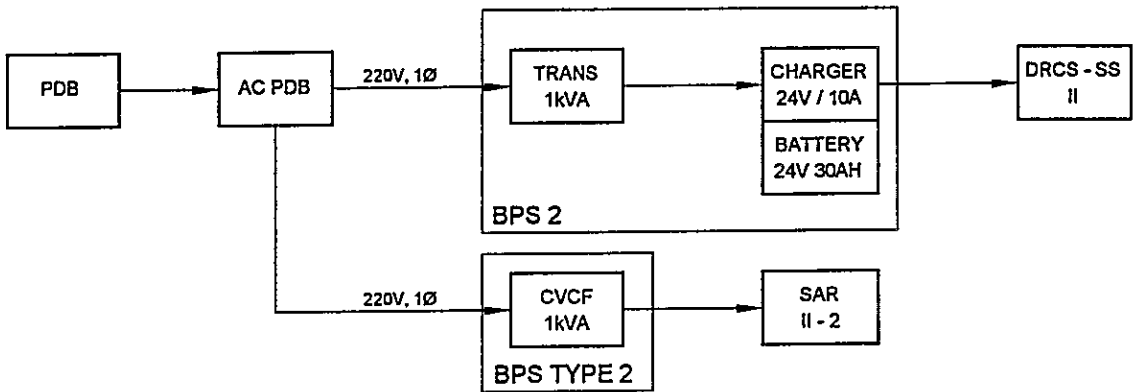
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[Signature]

LEGEND

- ANT . ANTENNA
- BPS : BATTERY POWER SUPPLY
- DSC : DIGITAL SELECTIVE CALLING
- JP : JACK PANEL
- MDF . MAIN DISTRIBUTION BOARD

DATE	DRAWING TITLE	SHEET NO
July 16, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	AMBON	
DIMENSION	DRAWING NO	
Milimeter	K, W, I, L, -, A, M, B, -, 1, 9, 1, -, 5, 1	



LEGEND

- AC - ALTERNATING CURRENT
- BPS - BATTERY POWER SUPPLY
- kVA - KILO VOLT AMPERE
- PDB - POWER DISTRIBUTION BOARD
- V - VOLT
- Ø - PHASE

DATE	DRAWING TITLE	SHEET NO
July 16, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	AMBON	
DIMENSION	DRAWING NO	
Millimeter	K, W, I, L, -, A, M, B, -, 1, 9, 1, -, 6	
- PT. Aneka Asia Buana		

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 APPROVED BY: JICA

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

**ADPEL/KPLP Office (Disnav Area - 21)
Ambon**

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	AMBON		
	CLASS		NO.	XXI

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

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Ambon [Taking time: 5:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car to Location [Taking time: 0:30 hr.]	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
		<input type="checkbox"/> None		

3. CONDITIONS OF ADPEL/KPLP OFFICE	Refer to attached drawing
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3.1 Site Conditions			
Topography	Nature of Soil	Past disaster of site	Confirmation of existing system
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input type="checkbox"/> Lightning system
Altitude	m	Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	m ²	<input type="checkbox"/> Lines	<input type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions
Num. of story		Voltage 220 V	V	Good Bad
Structure		Phase 1		<input type="checkbox"/> Power Supply System
Type of roof		Wire 2		<input type="checkbox"/> Operations of E/G
Type of ceiling		kVA		<input type="checkbox"/> Operations of AVR
Type of wall		Quality of PLN source		Capacity of fuel for engine
Wall finish		Fluctuations	V ± %	Day tank
Flooring		Availability of power per day	Hours	Main tank
Room Area (m ²)		Power interruption /month	Times	k Liter
Operation room	19.00	Total interpt. hours /month	Hours	E/G Stand-by System
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/> Single System
Remark				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure								
Restoration flow				Chief				
Examples of major failure				Operator (skilled) ()				
Sufficiency of spares				Technician (skilled) ()				
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad	Total				
<input type="checkbox"/> Storm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	External noises				
<input type="checkbox"/> Lightning		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

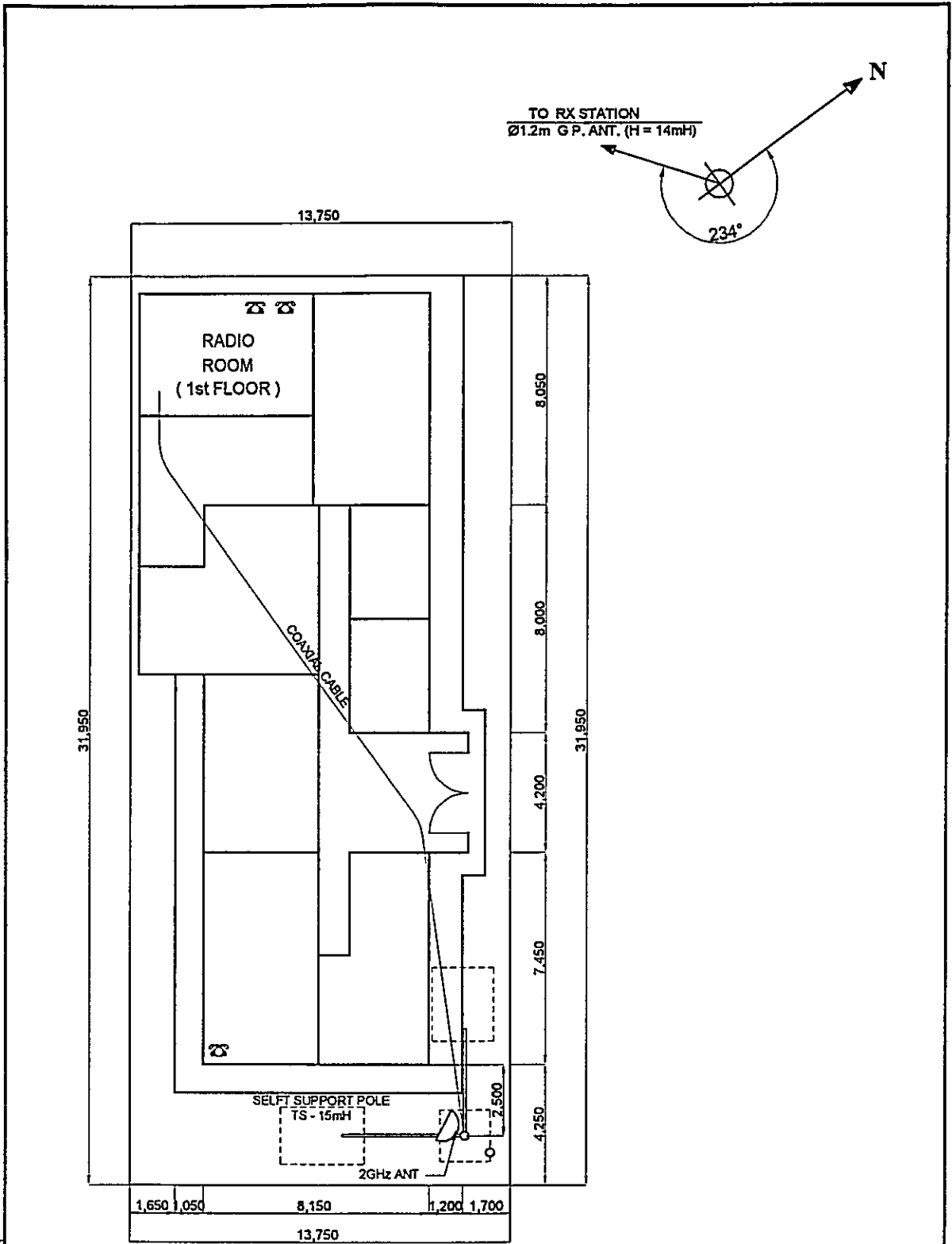
SUMMARY OF ADPEL / KPLP						SITE	AMBON					
						CLASS		NO.	XXI			
6. STATISTICAL COMMUNICATION TRAFFIC DATA												
Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
7. COMMENTS												
Suggestion												
Remarks												

INVENTORY



Site Name: Adpel Ambon

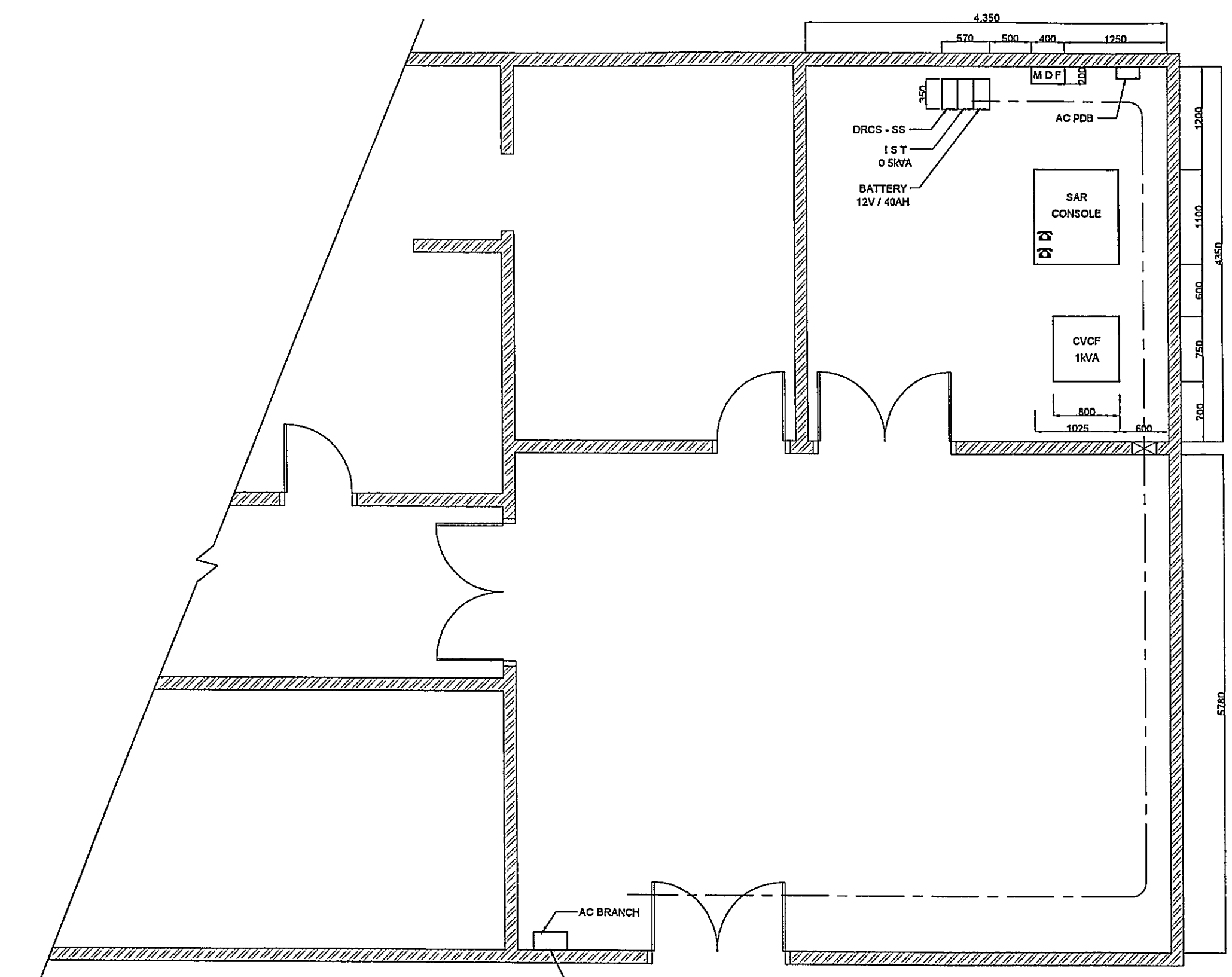
KPLP-AMB-XXI-(1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Operator Console/Desk/Rack			JRC	1989	SAR Project		
1-1-1		Console-III-II	J-70-P-b		JRC	1989	SAR Project		
		Marine VHF Telecontroller	NKH-100		JRC	1989	SAR Project		
		Analog Clock	JCC-300RR8		JRC	1989	SAR Project		
		Digital Clock			JRC	1989	SAR Project		
		Remote Control Unit (For MTRX)			JRC	1989	SAR Project		
		Dialing Unit			JRC	1989	SAR Project		
		Headset (For MTRX)			JRC	1989	SAR Project		
		Ancillaries			JRC	1989	SAR Project		
		Console			JRC	1989	SAR Project		
		Telephone Device (x2)			JRC	1989	SAR Project		
		Telex			JRC	1989	SAR Project		
		Telephony (x3)			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		
		MES			JRC	1989	SAR Project		
		TTY			JRC	1989	SAR Project		
		Telephony (x2)			JRC	1989	SAR Project		
		CE			JRC	1989	SAR Project		
		TDMA			JRC	1989	SAR Project		
		Fax			JRC	1989	SAR Project		



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DATE July 16, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1/1
SCALE 1 : 200	SITE NAME AMBON	
DIMENSION Milimeter	DRAWING NO. K, P, L, P, -, A, M, B, -, 1, 9, 1, -, 2,	
 -  PT. Aneka Asia Buana		

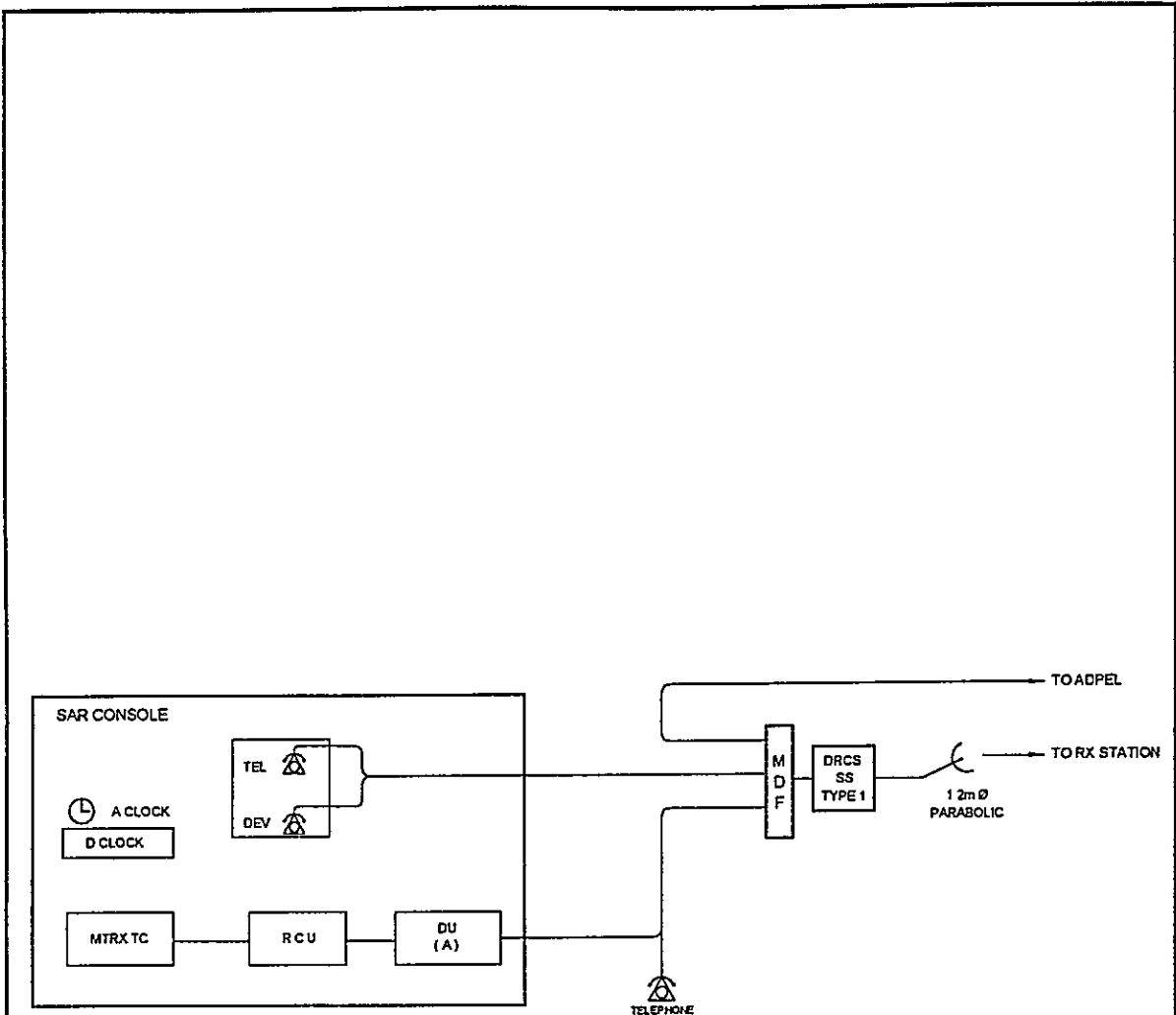


DRAWN BY AAB
 APPROVED BY JICA: *[Signature]*

LEGEND

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

DATE	DRAWING TITLE	SHEET NO.
July 16, 2001	EQUIPMENT FLOOR LAYOUT	1/1
SCALE	SITE NAME	
No Scale	AMBON	
DIMENSION	DRAWING NO	
Millimeter	K, P, L, P, -, A, M, B, -, 1, 9, 1, -, 3,	
-		

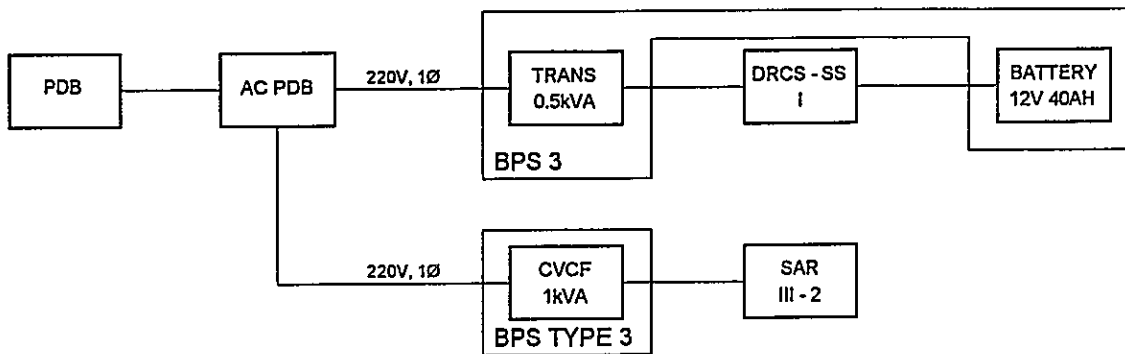


APPROVED BY JICA
 DRAWN BY AAB

LEGEND

- ANT : ANTENNA
- BPS : BATTERY POWER SUPPLY
- DSC : DIGITAL SELECTIVE CALLING
- JP : JACK PANEL
- MDF : MAIN DISTRIBUTION BOARD

DATE July 16, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME AMBON	
DIMENSION Milimeter	DRAWING NO K, P, L, P, -, A, M, B, -, 1, 9, 1, -, 5	
- PT. Aneka Asia Buana		



LEGEND

- AC ALTERNATING CURRENT
- BPS BATTERY POWER SUPPLY
- KVA KILO VOLT AMPERE
- PDB POWER DISTRIBUTION BOARD
- V VOLT
- Ø PHASE

DRAWN BY: AAB
 APPROVED BY: JICA: *[Signature]*

DATE	DRAWING TITLE	SHEET NO
July 16, 2001	POWER BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	AMBON	
DIMENSION	DRAWING NO	
Milimeter	K, P, L, P, -, A, M, B, -, 1, 9, 1, -, 6, 1	
- PT. Aneka Asia Buana		

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

**1st Class Coast Station
Ambon
(Coast Station No. 191)**

Table of Content

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

RX	TX	Drawings:
<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	Site Location
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Antenna Layout
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Equipment Floor Layout
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	E/G Floor Layout
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	System Block Diagram
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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	AMBON		
	CLASS	1st	NO.	191

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
RX	Jl. Pantai Waihaong	341571	352011	128° 09' 42" E	03° 41' 48" S
TX	Jl. Pitu Ina	352989		128° 10' 40" E	03° 41' 57" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Ambon [Taking time: 5:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car	to Location [Taking time hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
		<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> 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	
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	3.00 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	3,200 m ²		<input checked="" type="checkbox"/> 2 Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	Two	Voltage	220/380 V	220 V	Good Bad
Structure	Concrete	Phase	3	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	4	2	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	53	10	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR
Type of wall	Concrete	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Painting	Fluctuations	220 V ± 5 %		Day tank 30 Liter
Flooring	Tile	Availability of power per day	24 Hours		Main tank 3 k Liter
Room Area (m²)		Power interruption /month	Times		E/G Stand-by System
Operation room	155.22	Total interpt. hours /month	Hours		<input checked="" type="checkbox"/> <input type="checkbox"/> Single System
E / G room	25.00	Max. interpt. hours at once	Hours		<input type="checkbox"/> <input type="checkbox"/> Dual System
Remark					

4. CONDITIONS OF TRANSMITTING STATION						Refer to attached drawing
Site Conditions						
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system		
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input checked="" type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No	
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna	
<input checked="" type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)	
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input checked="" type="checkbox"/> Limestone	<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system	
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system	
Altitude	110 m		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way	
Land area	23,700 m ²		<input checked="" type="checkbox"/> Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> City water	

SUMMARY OF COAST STATION	SITE	AMBON		
	CLASS	1st	NO.	191

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	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	4	4	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G
Type of ceiling	Asbestos	kVA	30.50	55	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Concrete	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Painting	Fluctuations	220 V ± 5 %		Day tank 60 Liter
Flooring	PVC Concrete	Availability of power per day	24 Hours		Main tank 7 k Liter
Room Area (m²)		Power interruption /month		E/G Stand-by System	
Operation room	107.80	Total interpt. hours /month		Hours	<input type="checkbox"/> Single System
E / G room	42.00	Max. interpt. hours at once		Hours	<input checked="" type="checkbox"/> Dual System
Remark					

5. OPERATION AND MAINTENANCE				6. PERSONNEL FORMATIONS				
Actions taken in equipment failure					RX	TX		
Restoration flow	Maintenance/Repairing and Checking			Chief	1	1		
Examples of major failure	Un-available			Operator (skilled)	34 ()	()		
Sufficiency of spares				Technician (skilled)	()	20 (3)		
Records of damages			Environmental Conditions		Administrator			
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises	Total	(39)	(2) 56	
<input checked="" type="checkbox"/> Lightning	Ant. and PSU damaged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	III	Jakarta	1989	2
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Pre	II	Jakarta	1995	2
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	III	Jakarta	1995	4
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Operator	II	Jakarta	1981	1
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable	TTP	III	Jakarta	1989	1
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

7. 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		7			1991				1996			
1997		4			1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

8. COMMENTS	
Suggestion	Maritime Telecommunications is very important in Maluku because: Maluku consists of islands that bordered by sea; 90% of Maluku is sea Maritime Telecommunications as supporting facility is needed in Maluku
Remarks	

INVENTORY

Site Name: Ambon

AMB-191- (1 / 13)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter							
1		1 kW MF Transmitter	8RE153/00	BC951/S003	Phillips	1968			Damaged
2		1 kW MF Transmitter	8RE153/00	BC951/S002	Phillips	1968			Damaged
3		1 kW HF Transmitter	8RE153/01	SC 1278/S03	Phillips	1968			Damaged
4		1 kW HF Transmitter	8RE153/01	XC 1278/S33	Phillips	1968			Damaged
5		1 kW HF Transmitter	8RE153/01	BS 885/S18	Phillips	1968			Damaged
6		1 kW HF Transmitter	8RE153/01	XC 1278/S17	Phillips	1968			Damaged
7		1 kW HF Transmitter	8RE153/01	XC 1278/S33	Phillips	1968			Damaged
8		1 kW SSB Transmitter	JRS-106NB	BS-61501	JRC	1985	F-TA-193: PH1		Good
9		1 kW MF Transmitter	JRS-108P	BS-62125	JRC	1989	F-TA-193: PH2		Damaged
10		1 kW MF/HF Transmitter	JRS-106NB	BS-62108	JRC	1989	F-TA-193: PH2		Good
11		1 kW MF/HF Transmitter	JRS-106NB	BS-62109	JRC	1989	F-TA-193: PH2		Good
12		1 kW MF/HF Transmitter	JRS-106NB	BS-62117	JRC	1989	F-TA-193: PH2		Good
13		1 kW HF Transmitter	JRS-106NB	BS-62094	JRC	1990	SAR Project		Damaged
14		1 kW HF Transmitter	JRS-106NB	BS-62095	JRC	1990	SAR Project		Damaged
15		1 kW MF TX (NAVTEX)	JRS-108P	BS-63479	JRC	1996	F-TA-193: PH3		Good
16		1 kW HF TX (DSC)	JRS-713AM	BS-63512	JRC	1996	F-TA-193: PH3		Damaged
17		1 kW HF TX (NBDP)	JRS-713AM	BS-63513	JRC	1996	F-TA-193: PH3		Good
1-2		Remote Control System							
1-2-1		Remote Control							
1		Voice Frequency Telegraph	JUT-1A	EQ-12852	JRC	1985	F-TA-193: PH1		Not used
2		Voice Frequency Telegraph	JUT-1A	EQ-12853	JRC	1985	F-TA-193: PH1		Not used
3		Remote Control Rack	GED-1113A	BP-91860	JRC	1985	F-TA-193: PH1		Good
4		Remote Control Rack	GED-1113A	BP-91860	JRC	1985	F-TA-193: PH1		Good
5		Remote Control Rack	GED-1113A	BP-91860	JRC	1985	F-TA-193: PH1		Good
6		Remote Control Rack	GED-1113A	BP-91860	JRC	1985	F-TA-193: PH1		Good
7		Remote Control Rack	GED-1113B	BP-91936	JRC	1985	F-TA-193: PH1		Good
8		Local Terminal Unit	JCC-300LR8	BP-91778	JRC	1985	F-TA-193: PH1		Good

INVENTORY

Site Name: Ambon

AMB-191- (2 / 13)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
9		Local Terminal Unit	JCC-300LR8	BP-91779	JRC	1985	F-TA-193; PH1		Good
10		Local Terminal Unit	JCC-300LR8	BP-91780	JRC	1985	F-TA-193; PH1		Good
11		Local Terminal Unit	JCC-300LR8	BP-91781	JRC	1985	F-TA-193; PH1		Good
12		Local Terminal Unit	JCC-300LR8W	BP-89316	JRC	1985	F-TA-193; PH1		Good
13		500 kHz Auto Alarm	ACS2NM1-2	A-80003	JRC	1980	F-ST-12		Damaged
14		2182 kHz Auto Alarm	ACS2NM1-12	A-80005	JRC	1980	F-ST-12		Damaged
15		Signal Selector	NCJ-461A	BP-92254	JRC	1980	F-ST-12		Damaged
16		Telecontroller	NCH-300P	BP-89459	JRC	1989	F-TA-193; PH2		Good
17		DRCS BS (Radio Bay)	NUL-14B	ET-12105-1	JRC	1990	SAR Project		Damaged
18		DRCS (Digital Interface Bay)	NUL-93A	ET-12105-1	JRC	1990	SAR Project		Damaged
19		Direct Monitoring Equipment	JXR-2	BP-91200	JRC	1987	F-TA-193 PH2		Damaged
20		Morse Transmitter	NGK-2A	BP-90954	JRC	1987	F-TA-193 PH2		Damaged
1-3		Operator Console/Desk/Rack							
1-3-1		MF TP Console							
1		Console	NCA-822 E	JF31760	JRC	1997	F-TA-193; PH3		Good
2		Receiver	NRD-93	BR33420	JRC	1985	F-TA-193; PH1		Good
3		Receiver	NRD-93	BR33415	JRC	1985	F-TA-193; PH1		Good
4		Scanning Unit	NDH-93	1	JRC	1985	F-TA-193; PH1		Good
5		Speaker Panel	NVA-64-2	1	JRC	1985	F-TA-193; PH1		Good
6		Signal Controller	NQP-21-1	JF31882	JRC	1997	F-TA-193; PH3		Good
7		Telephone Repeater	NQQ-31BB	JF31923	JRC	1997	F-TA-193; PH3		Good
8		Telecontroller	NCH-701M	JF31968	JRC	1997	F-TA-193; PH3		Good
9		Tx Selector	NCJ-676	JF32063	JRC	1997	F-TA-193; PH3		Good
10		Junction Box	NQD-3760	1	JRC	1997	F-TA-193; PH3		Good
11		Jack Panel	NQC-742A	1	JRC	1997	F-TA-193; PH3		Good
12		RF Jack Panel	NQE-584C	1	JRC	1997	F-TA-193; PH3		Good
13		Power Supply	NBK-31	1	JRC	1997	F-TA-193; PH3		Good
14		Clock (+9H)	6HCED00075	1	JRC	1997	F-TA-193; PH3		Good
15		Headset	NTR-3302	1	JRC	1997	F-TA-193; PH3		Good
16		Chair		1	JRC	1997	F-TA-193; PH3		Good
17		Telecontroller	NCH-300P	BP91760	JRC	1989	F-TA-193; PH2		Good

Ambon

INVENTORY

Site Name: Ambon

AMB-191- (3 / 13)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-3-2		HF TG/NBDP/TP Console							
1		Console	NCA-821E	JF31765	JRC	1997	F-TA-193: PH3		Good
2		Receiver	NRD-93	BR33418	JRC	1985	F-TA-193: PH1		Good
3		Receiver	NRD-93	BR33417	JRC	1985	F-TA-193: PH1		Good
4		Scanning Unit	NDH-93	BR-35467	JRC	1985	F-TA-193: PH1		Good
5		Scanning Unit	NDH-93	BR35468	JRC	1985	F-TA-193: PH1		Good
6		Speaker Panel	NVA-64-2	2	JRC		F-TA-193: PH3		Good
7		Signal Controller	NQP-21-1	JF31883	JRC	1997	F-TA-193: PH3		Good
8		Signal Controller	NQP-21-1	JF31884	JRC	1997	F-TA-193: PH3		Good
9		Telephone Repeater	NQQ-31BB	JF31924	JRC	1997	F-TA-193: PH3		Good
10		Telecontroller	NCH-300P	BP98301	JRC	1989	F-TA-193: PH2		Good
11		Telecontroller	NCH-300P	BP91761	JRC	1989	F-TA-193: PH2		Good
12		System Rack	NCT-32A	BP98545	JRC	1996	F-TA-193: PH3		Good
13		FS MODEM	CHF-12A	BP98401	JRC	1996	F-TA-193: PH3		Good
14		CPU Interface	CDC-721A	BP98428	JRC	1996	F-TA-193: PH3		Good
15		Level Converter	CMH-1280A	BP98579	JRC	1996	F-TA-193: PH3		Good
16		Personal Computer	PC 300 GL	90 -C8MX6	IBM	1997	F-TA-193: PH3		Good
17		CRT Display	6540-02E	66 - 54455	IBM	1997	F-TA-193: PH3		Good
18		Keyboard	KB-8923	0180804	IBM	1997	F-TA-193: PH3		Good
19		Mouse		1	IBM	1997	F-TA-193: PH3		Good
20		Software for NBDP/TELEX	7YLED1106	1		1996	F-TA-193: PH3		Good
21		Desk for Personal Computer	CD4-398	1		1996	F-TA-193: PH3		Good
22		Printer Rack	P-1020G	1		1996	F-TA-193: PH3		Good
23		Printer	LX-300	1YNY071458	EPSON	1996	F-TA-193: PH3		Good
24		Printer	LX-300	1YNY071584	EPSON	1996	F-TA-193: PH3		Good
25		Printer Auto-Switch	ASL-21(230)	1		1996	F-TA-193: PH3		Good
26		Power Supply	NQD-3759	1	JRC	1997	F-TA-193: PH3		Good
27		Power Supply	NQD-3759	1	JRC	1997	F-TA-193: PH3		Good
28		Junction Box	NRD-3759E	1	JRC	1997	F-TA-193: PH3		Good
29		Junction Box	NRD-3759E	1	JRC	1997	F-TA-193: PH3		Good
30		Jack Panel	NQC-742A	2	JRC	1997	F-TA-193: PH3		Good
31		RF Jack Panel	NQE-584C	1	JRC	1996	F-TA-193: PH3		Good
32		RF Jack Panel	NQE-584C	1	JRC	1997	F-TA-193: PH3		Good
33		Power Supply	NBK-31	1	JRC	1996	F-TA-193: PH3		Good

Ambon

INVENTORY

Site Name: Ambon

AMB-191- (4 / 13)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
34		Power Supply	NBK-31B	1	JRC	1995	F-TA-193: PH3		Good
35		Clock	6HCED00074	1	JRC	1996	F-TA-193: PH3		Good
36		Key	HK-704	2	JRC	1996	F-TA-193: PH3		Good
37		Headphone	ST-3	1	JRC	1996	F-TA-193: PH3		Good
38		Headset	NTR-3302	2	JRC	1996	F-TA-193: PH3		Good
39		Chair		2		1996	F-TA-193: PH3		Good
40		Paper Tape Reader Puncher	DPT-610A	1	JRC	1996	F-TA-193: PH3		Good
41		Morse Converter	NGK-9	JF34104	JRC	1997	F-TA-193: PH3		Good
42		Software for NGK-9	7YRED0002	1	JRC	1997	F-TA-193: PH3		Good
43		Personal Computer	PC 300 GL	90 - C8NN1	IBM	1997	F-TA-193: PH3		Good
44		CRT Display	6540-02E	66 - 54456	IBM	1997	F-TA-193: PH3		Good
45		Keyboard	KB-8923	0156543	IBM	1997	F-TA-193: PH3		Good
46		Mouse		1	IBM	1997	F-TA-193: PH3		Good
47		Printer	LX-300	1YNY074174	EPSON	1997	F-TA-193: PH3		Good
48		Desk for Personal Computer	CD4-398	1		1997	F-TA-193: PH3		Good
1-3-3		FIX COMM. Console							
1		Console	NCA-823E	JF31769	JRC	1997	F-TA-193: PH3		Good
2		Receiver	NRD-93	BR33414	JRC	1985	F-TA-193: PH1		Good
3		Speaker Panel	NVA-64-C	1	JRC		F-TA-193: PH1		Good
4		Telecontroller	NCH-300P	BP91749	JRC	1989	F-TA-193: PH2		Good
5		Telecontroller	NCH-701M	JF31969	JRC	1997	F-TA-193: PH3		Good
6		Signal Controller	NQP-21-1	JF31885	JRC	1997	F-TA-193: PH3		Good
7		Audio & Key Switch	N CJ-400B	JF31864	JRC	1997	F-TA-193: PH3		Good
8		Telephone Repeater	NQ-31BB	JF31925	JRC	1997	F-TA-193: PH3		Good
9		Common Repeater	NQ-18GC	JF31949	JRC	1997	F-TA-193: PH3		Good
10		System Rack	NCT-32S	JF31743	JRC	1997	F-TA-193: PH3		Good
11		FS MODEM	CHF-12A	JF31714	JRC	1997	F-TA-193: PH3		Good
12		CPU Interface	CDC-721A	JF31726	JRC	1997	F-TA-193: PH3		Good
13		Personal Computer	PC 300 GL	90 - C8NB1	IBM	1997	F-TA-193: PH3		Good
14		CRT Display	6540-02E	66 - 54459	IBM	1997	F-TA-193: PH3		Good
15		Keyboard	KB-8923	01807757	IBM	1997	F-TA-193: PH3		Good
16		Mouse		1	IBM	1997	F-TA-193: PH3		Good
17		Software for NBDP	7YLED1105	1	IBM	1997	F-TA-193: PH3		Good

Ambon

INVENTORY

Site Name: Ambon

AMB-191- (5 / 13)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
18		Desk for PC	CD4-398	1		1997	F-TA-193; PH3		Good
19		Desk for PC	CD4-165	1		1997	F-TA-193; PH3		Good
20		Junction Box	NQD-3761	1	JRC	1997	F-TA-193; PH3		Good
21		Power Supply	NBK-31	1	JRC	1997	F-TA-193; PH3		Good
22		Clock (+9H)	6HCED00075	1	JRC	1997	F-TA-193; PH3		Good
23		Jack Panel	NQC-742A	1	JRC	1997	F-TA-193; PH3		Good
24		RF Jack Panel	NQE-584C	1	JRC	1997	F-TA-193; PH3		Good
25		Headset	NTR-3302	1	JRC	1997	F-TA-193; PH3		Good
26		Chair	P-1020G	1		1997	F-TA-193; PH3		Good
27		Printer Rack	LX-300	1		1997	F-TA-193; PH3		Good
28		Printer	LX-300	1YNY076741	EPSON	1997	F-TA-193; PH3		Good
29		Printer	LX-300	1YNY087933	EPSON	1997	F-TA-193; PH3		Good
1-3-4		Search & Monitor Console							
1		Search & Monitor Console	NCA-564B	BP-89355	JRC	1985	F-TA-193 PH1		Damaged
2		Receiver	NRD-93	BR-33414	JRC	1985	F-TA-193; PH1		Damaged
3		Scanning Unit	NDH-93	BR-35466	JRC	1985	F-TA-193; PH1		Damaged
4		Speaker Panel	NVA-64C		JRC	1985	F-TA-193; PH1		Good
5		500 kHz AA Rec.	JXA-15A	BA-20741	JRC	1985	F-TA-193; PH1		Damaged
6		2182 kHz AA Rec	JXA-8A	BA-21039	JRC	1985	F-TA-193; PH1		Damaged
7		Auto Direction Finder	JLR-1002	MF-12481	JRC	1985	F-TA-193; PH1		Damaged
8		500 kHz AA Buzzer	BZ-18	BA-20741	JRC	1985	F-TA-193; PH1		Damaged
9		Power Unit	NBA-3579	BP-20741	JRC	1985	F-TA-193 PH1		Good
10		Power Supply	NBA-1180	MF-12481	JRC	1985	F-TA-193; PH1		Good
11		Power Supply (1)	NBK-31B		JRC	1985	F-TA-193; PH1		Good
1-3-5		DSC Console							
1		DSC Console (Distress/General Call)	NCA-783B	BP-98270	JRC	1996	F-TA-193; PH3		Good
2		Junction Box	NQD-3655B	1	JRC	1996	F-TA-193; PH3		Good
3		Power Supply	NBK-31	1	JRC	1996	F-TA-193; PH3		Good
4		Telecontroller	NCH-701M	BP-98707	JRC	1996	F-TA-193; PH3		Good
5		PC 150DX4-100MHz	PC100	1	JRC	1996	F-TA-193; PH3		Good
6		CRT Display	6542-105	1	JRC	1996	F-TA-193; PH3		Good
7		System Floppy Disk (DSC)	7YLED10101	1	JRC	1996	F-TA-193; PH3		Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
8		Master Clock	NKH-100	BP-99588	JRC	1996	F-TA-193: PH3		Good
9		Chair		1	JRC	1996	F-TA-193: PH3		Good
10		Printer Rack	P-1020G	1	JRC	1996	F-TA-193: PH3		Good
11		Printer	LX-300	1	JRC	1996	F-TA-193: PH3		Good
1-3-6		DSC Rack							
1		Operation Rack	GFD-1055A	BP-89362	JRC	1985	F-TA-193: PH1		Good
2		Telephone Controller	NCH-300P	BP-89301	JRC	1985	F-TA-193: PH1		Good
3		Radio Terminal	NQP-11	BP-89431	JRC	1985	F-TA-193: PH1		Damaged
4		Power Supply (1)	NBK-31B		JRC	1985	F-TA-193: PH1		Damaged
5		Operation Rack	GFD-1055B	BP-89366	JRC	1985	F-TA-193: PH1		Damaged
6		Receiver	NRD-93	BR-33447	JRC	1985	F-TA-193: PH1		Damaged
7		Radio Terminal	NQP-11	BP-89432	JRC	1985	F-TA-193: PH1		Good
8		Speaker Panel (1)	NVA-64G		JRC	1985	F-TA-193: PH1		Good
9		Telecontroller	NCR-300P	BP-91749	JRC	1985	F-TA-193: PH1		Good
10		Lincompex	NZA-15	BB-10102	JRC	1985	F-TA-193: PH1		Good
11		ARQ Equipment	NCL-550A	GA-10267	JRC	1985	F-TA-193: PH1		Good
12		Telephone Repeater	NQQ-31A	BP-89459	JRC	1985	F-TA-193: PH1		Damaged
13		Common Repeater	NQQ-18G	BP-89467	JRC	1985	F-TA-193: PH1		Not used
14		Power Supply (1)	NBK-31B		JRC	1985	F-TA-193: PH1		Not used
15		Audio Select & Monitor	NCJ-280B	BP-89382	JRC	1985	F-TA-193: PH1		Good
16		DSC W/K RX Rack (2U type)	GED-1249C	BP-98303	JRC	1996	F-TA-193: PH3		Good
17		RF Jack Panel	NQE-584R-C	1	JRC	1996	F-TA-193: PH3		Good
18		Junction Box	NQD-3631C	1	JRC	1996	F-TA-193: PH3		Good
19		ALM Buzzer	CCD-242	1	JRC	1996	F-TA-193: PH3		Good
20		DSC W/K Receiver	NRD-740	BR-69440	JRC	1996	F-TA-193: PH3		Good
21		DSC W/K Receiver	NRD-740	BR-69441	JRC	1996	F-TA-193: PH3		Good
22		DSC W/K Receiver	NRD-740	BR-69442	JRC	1996	F-TA-193: PH3		Good
23		DSC W/K Receiver	NRD-740	BR-69443	JRC	1996	F-TA-193: PH3		Good
24		DSC W/K Receiver	NRD-740	BR-69444	JRC	1996	F-TA-193: PH3		Good
25		DSC W/K Receiver	NRD-740	BR-69445	JRC	1996	F-TA-193: PH3		Good
26		DSC W/K Receiver	NRD-740	BR-69446	JRC	1996	F-TA-193: PH3		Good
27		DSC W/K Receiver	NRD-740	BR-69447	JRC	1996	F-TA-193: PH3		Good
28		RX Controller	NCJ-536A	BP-98378	JRC	1996	F-TA-193: PH3		Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
29		Antenna Multi Coupler	NAJ-110A	BC-19367	JRC	1996	F-TA-193: PH3		Good
30		1600kHz High Pass Filter	CFK-2	BC-19352	JRC	1996	F-TA-193: PH3		Good
31		System Rack with Mother Board & PS	NCT-32	BP-98545	JRC	1996	F-TA-193: PH3		Good
32		DSC DEM	CND-129A	BP-98467	JRC	1996	F-TA-193: PH3		Good
33		DSC DEM	CND-129A	BP-98468	JRC	1996	F-TA-193: PH3		Good
34		DSC MOD	CNM-159A	BP-98501	JRC	1996	F-TA-193: PH3		Good
35		VHF DSC Modem (CH70)	CNM-158A	BP-98525	JRC	1996	F-TA-193: PH3		Good
36		CPU IF	CDC-721	BP-98427	JRC	1996	F-TA-193: PH3		Good
37		Power Supply	NBA-3979C	BP-98558	JRC	1996	F-TA-193: PH3		Good
1-3-7		NBDP Console							
1		Console (2U Type)	NCA-784A	BP-98282	JRC	1996	F-TA-193: PH3		Good
2		Jack Panel	NQC-742A	1	JRC	1996	F-TA-193: PH3		Good
3		RF Jack Panel	NQE-584C	1	JRC	1996	F-TA-193: PH3		Good
4		Junction Box	NQD-3654A	1	JRC	1996	F-TA-193: PH3		Good
5		Power Supply	NBK-31	1	JRC	1996	F-TA-193: PH3		Good
6		Receiver	NRD-93	BR-69367	JRC	1996	F-TA-193: PH3		Good
7		Receiver	NRD-93	BR-69367	JRC	1996	F-TA-193: PH3		Good
8		Hybrid	CB721S-S	1	JRC	1996	F-TA-193: PH3		Good
9		Speaker Panel	NVA-64-2	1	JRC	1996	F-TA-193: PH3		Good
10		Telecontroller	NCH-701M		JRC	1996	F-TA-193: PH3		Good
11		Signal Controller	NQP-21-1	BP-98631	JRC	1996	F-TA-193: PH3		Good
12		Telephone Repeater	NQQ-31BA	BP-98644	JRC	1996	F-TA-193: PH3		Good
13		System Rack with Mother Board & PS	NCT-32S-A	BP-98571	JRC	1996	F-TA-193: PH3		Good
14		FS Modem	CHF-12A	BP-98401	JRC	1996	F-TA-193: PH3		Good
15		CPU IF	CDC-721A	BP-98428	JRC	1996	F-TA-193: PH3		Good
16		Level Converter	CMH-1280A	BP-98579	JRC	1996	F-TA-193: PH3		Good
17		2W/4W Converter	NHH-556A-3	BP-98823	JRC	1996	F-TA-193: PH3		Good
18		Personal Computer	6281-V5B PC10	1	JRC	1996	F-TA-193: PH3		Good
19		CRT Display	6542-105	1	JRC	1996	F-TA-193: PH3		Good
20		System Floppy Disk (NBDP/TLX)	7YLED10106	1	JRC	1996	F-TA-193: PH3		Good
21		Clock (+8H)	6HCED00074	1	JRC	1996	F-TA-193: PH3		Good
22		Headset	NTR-3302	1	JRC	1996	F-TA-193: PH3		Good
23		Morse Key	HK-704	1	JRC	1996	F-TA-193: PH3		Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
24		Cable for Key	KC-547	1	JRC	1996	F-TA-193: PH3		Good
25		Headphone	ST-3	1	JRC	1996	F-TA-193: PH3		Good
26		Chair		1	JRC	1996	F-TA-193: PH3		Good
27		Printer Rack	P-1020G	1	JRC	1996	F-TA-193: PH3		Good
28		Printer	LX-300	2	JRC	1996	F-TA-193: PH3		Good
30		Printer Auto-Switch	ASL-21(240)	1	JRC	1996	F-TA-193: PH3		Good
31		Paper Tape Reader/Puncher	DPT-610A	1	JRC	1996	F-TA-193: PH3		Good
1-3-8		NAVTEX Console							
1		Desk	CD4-398	1	JRC	1996	F-TA-193: PH3		Good
2		ARQ Modem (NAVTEX) with FD	NCL-800	BP-73268	JRC	1996	F-TA-193: PH3		Good
3		PC 486 DX4-100MHz	PC100	1	IBM	1996	F-TA-193: PH3		Good
4		CRT Display		1	IBM	1996	F-TA-193: PH3		Good
5		Printer	LX-300	1	EPSON	1996	F-TA-193: PH3		Good
7		NAVTEX Receiver	NCR-300A	GD-22729	JRC	1996	F-TA-193: PH3		Good
8		Navtex Rec. Antenna Receiver	NAW-300	1	JRC	1996	F-TA-193: PH3		Good
1-3-9									
1		Receiver	NRD-253	BR-341496	JRC	1987	F-TA-193: PH2		Good
2		Receiver	NRD-93	BR-33419	JRC	1985	F-TA-193: PHI		Good
3		Receiver	NRD-93	BR-33421	JRC	1985	F-TA-193: PHI		Good
1-4		VHF System							
1		VHF Transceiver	GFD-260YK	CV-57466	JRC	1985	F-TA-193: PHI		Damaged
2		VHF Transceiver	GFD-260YL	CV-57483	JRC	1985	F-TA-193: PHI		Good
3		VHF Transceiver	GFD-260YL	CV-57484	JRC	1985	F-TA-193: PHI		Damaged
4		Coaxial Arrester	NYZ-400	84013	JRC	1985	F-TA-193: PHI		Good
5		Coaxial Arrester	NYZ-400	84042	JRC	1985	F-TA-193: PHI		Good
7		Band Pass Filter	BP2-1500A	F-44452	JRC	1985	F-TA-193: PHI		Good
8		Duplexer	DF33-1500A	F-44461	JRC	1985	F-TA-193: PHI		Good
9		Duplexer	DF33-1500A	F-44467	JRC	1985	F-TA-193: PHI		Good
10		VHF Console	GFD-501YB(B)	CV-57489	JRC	1985	F-TA-193: PHI		Good
11		VHF TX/RX (CH70 DSC)	JRV-500AP	BH-20428	JRC	1996	F-TA-193: PH3		Good
1-12		Duplexer	AW-158YB	1	JRC	1996	F-TA-193: PH3		Good
13		Coaxial Arrester	NYZ-150	1	JRC	1996	F-TA-193: PH3		Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-5		UHF/SHF Link							
1		Multiplex Radio Equipment	JUP-450	EM-11525	JRC	1985	F-TA-193: PHI		Good
2		Multiplex Radio Equipment	JUP-450	EM-11526	JRC	1985	F-TA-193: PHI		Damaged
3		Multiplex Radio Equipment	JUP-450	EM-11527	JRC	1985	F-TA-193: PHI		Damaged
4		Multiplex Radio Equipment	JUP-450	EM-11528	JRC	1985	F-TA-193: PHI		Good
5		Multiplex Terminal Equipment	JUP-5A	EP-11852	JRC	1985	F-TA-193: PHI		Good
6		Multiplex Terminal Equipment	JUP-5A	EP-11852	JRC	1985	F-TA-193: PHI		Good
7		Main Distribution Frame	NQE-40A2	EQ-12835	JRC	1985	F-TA-193: PHI		Good
8		Main Distribution Frame	NQE-40A2	EQ-12828	JRC	1985	F-TA-193: PHI		Good
2		Tower & Antenna System							
2-1		Tower & Mast							
		TX Station							
1		25mHx1 Self Supporting	Square			1976			Good
2		Panzer Mast	4xR24			1976			Good
3		25mHx1 Guy Mast	Square		Philips	1976			Corrosion
4		35mHx2 Guy Mast	Square		Philips	1976			Corrosion
5		30mHx1 Guy Mast	Square		Philips	1976			Corrosion
6		30mH Self Supporting Tower (3)			JRC	1996	F-TA-193: PH3		Good
		RX Station							
1		25mHx3 Self Supporting	Square		Philips	1976			Damaged
2		30mHx1 Self Supporting	Square		Philips	1976			Damaged
3		Panzer Mast	1xR24		Philips	1976			Damaged
2-2		Antenna System							
		TX Station							
1		4 W T Type Antenna x1							Good
2		Cage Antenna x1							Good
3		Single Doublet Antenna x2							Good
4		Quadrant Antenna x4							Good
5		Delta Antenna x3							Good
6		Multi Doublet Antenna x1							Damaged
7		VHF Antenna x2							Good
8		UHF Antenna x1							Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
9		8 Element Yagi Antenna	Y8-4503SA	4086	JRC	1985	F-TA-193: PHI		Good
10		8 Element Yagi Antenna	Y8-4503SA	4083	JRC	1985	F-TA-193: PHI		Good
11		Cadiode Antenna	BRC-1501	4037	JRC	1985	F-TA-193: PHI		Good
12		Cadiode Antenna	BRC-1501	4044	JRC	1985	F-TA-193: PHI		Good
13		Cadiode Antenna	BRC-1501	4049	JRC	1985	F-TA-193: PHI		Good
14		Brown Cadiode Antenna	BRC-1511	1	JRC	1996	F-TA-193: PH3		Good
15		Inverted "L" Antenna (for TX) RX Station	CL-045M	2	JRC	1996	F-TA-193 PH3		Good
1		Loop Antenna x1							Good
2		Double Doublet Antenna x2							Good
3		Inverted "L" Antenna x5							Good
4		VHF Antenna x3							Good
5		Marine VHF Antenna x1							Good
6		UHF Antenna x2							Good
7		2 GHz Antenna x1							Good
8		Fan Beam Antenna x1							Good
2-3		Antenna Switch							Good
1		Antenna Exchange	NKZ-223	BP-91992	JRC	1990	SAR Project		Good
2		Antenna Switching Matrix	ASED00029B	93824-2	JRC	1985	F-TA-193: PHI		Damaged
3		MF Antenna Exchanger	NKZ-223A	BP-99946	JRC	1996	F-TA-193. PH3		Good
4		Antenna Changer	NKZ-230	JF31982	JRC	1997	F-TA-193: PH3		Good
5		Antenna Selector							Good
6		Antenna Selector Rack	GJD-107B	BP-89114	JRC	1985	F-TA-193: PHI		Good
7		Antenna Selector x1	NKZ-220B		JRC	1985	F-TA-193: PHI		Good
8		Antenna Multi Coupler	NAF-80FA	BC-13443	JRC	1985	F-TA-193: PHI		Good
9		Antenna Multi Coupler	NAF-80FA	BC-13444	JRC	1985	F-TA-193: PHI		Damaged
10		Antenna Multi Coupler	NAF-80FA	BC-13445	JRC	1985	F-TA-193: PHI		Good
11		Antenna Multi Coupler	NAF-80FA	BC-13446	JRC	1985	F-TA-193: PHI		Good
12		BC Band Rejection Filter	CFL-172	BC-13542	JRC	1985	F-TA-193: PHI		Good
13		BC Band Rejection Filter	CFL-172	BC-13543	JRC	1985	F-TA-193: PHI		Good
14		BC Band Rejection Filter	CFL-172	BC-13544	JRC	1985	F-TA-193: PHI		Good
14		BC Band Rejection Filter	CFL-172	BC-13545	JRC	1985	F-TA-193: PHI		Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
2-4		Antenna Matching Unit							
1		Antenna Matching Unit	NFG-3CA	BP-91949	JRC	1989	F-TA-193. PH2		Damaged
2		Antenna Matching Unit	NFG-140A	BP-91891	JRC	1989	F-TA-193: PH2		Good
3		TX AMU for I/L (for DSC)	NFG-140A	BP-98597	JRC	1996	F-TA-193. PH3		Damaged
4		TX AMU for I/L (for NBDP)	NFG-140A	BP-98598	JRC	1996	F-TA-193: PH3		Good
5		Matching Unit Control (for MF)	NCM-134F	BP-99950	JRC	1996	F-TA-193. PH3		Good
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		Type TA2 (for TX) 220V, 3P	NBJ-402TA2	BP-98357	JRC	1996	F-TA-193. PH3		Good
2		Type RA1 (for RX) 220V, 1P	NBJ-402RA1	BP-98322	JRC	1996	F-TA-193: PH3		Good
3-2		Isolation Transformer							
1		55 kVA, 220V, 3P	NBL-227B2	BP-99808	JRC	1996	F-TA-193: PH3		Damaged
2		10 kVA, 220V, 1P	NBL-227E2	BP-99818	JRC	1996	F-TA-193. PH3		Good
3-3		Step-Up Transformer							
1		Step-Up Transformer							
2		3.5kVA (for TX), 220/380V, 3P	NBA-226B	BP-99792	JRC	1996	F-TA-193: PH3		Good
3		3.5kVA (for TX), 220/380V, 3P	NBA-226B	BP-99793	JRC	1996	F-TA-193: PH3		Good
3-4		UPS & AVR System							
1		Power Supply	NBD-369	BP-91224	JRC	1987	F-TA-193. PH1		Good
2		Power Supply	PAD-355L	1840892	Kikusai	1986			Damaged
3		Battery Charger		NS-0808	D.Quict				Damaged
4		Battery Charger	NBB-31-20Z	56507	JRC	1989	F-TA-193: PH2		Good
5		Battery Charger	NBB-111-15P	56011	JRC	1989	F-TA-193: PH2		Good
6		Battery 12V, 100AH (x7)			Hitachi				Good
7		AVR 18kVA, Full Load 32A/27A	RET-18-3		Salicru	1988			Damaged
8		AVR 27kVA	RET-27-3		Salicru	1988			Good
9		Accumulator 12V/100AH		5	Salicru				Damaged
10		Accumulator 12V/100 AH		2	Hitachi				Damaged
11		UPS 2kVA, 220V, 1P	Net Pro 2000	1	Yuasa				Damaged
					JRC				Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3-5		Engine Generator							
1		Engine 15 HP, 1500 RPM	I-S-108	6396	Samofa	1968			Not used
2		Engine 15 HP, 1500 RPM	I-S-108	6397	Samofa	1968			Damaged
3		Engine 70 HP, 1500 RPM	4TS	18551	Kromhout	1968			Not used
4		Engine 70 HP, 1500 RPM	4TS	18552	Kromhout	1968			Damaged
5		Generator 10 kVA	GP	41359/4	Elec.Motor	1986			Damaged
6		Generator 10 kVA	GP	41358/4	Elec.Motor	1986			Not used
7		Generator 55 kVA	DTB-42-60-4	405951	AVK	1986			Damaged
8		Generator 55 kVA	DTB-42-60-4	405952	AVK	1986			Damaged
4		Measuring Equipment							
1		Electronic Multi Meter	PM 2401		Phillips	1968			Damaged
2		Valve Characteristic	VCM-163		Phillips	1968			Damaged
3		Merger			Phillips	1968			Damaged
4		Digital Frequency Counter		83394	Sanwa	1984			Damaged
5		Oscilloscope	2235	BD17853	Tectronik	1986			Damaged
6		Frequency Counter	5383/A	2412A06298	H.Packard	1986			Damaged
7		Audio Distortion Meter	796F	M14427022	Shibasoku	1986			Damaged
8		Mega Ohm Tester	3213-24	03506S	Yogogawa	1986			Damaged
9		RF Signal Generator	MSG2560B	84113138	Meguro	1986			Good
10		Electronic Volt Meter with Probe	ML69H	M15686	Anritsu	1986			Damaged
11		VHF Signal Generator	MG54E	M44384	Anritsu	1986			Damaged
12		VHF Output Testing Eqpt.	MS52B	M49483	Anritsu	1986			Damaged
13		Directional Coupler	MA52A	M94787	Anritsu	1986			Damaged
14		UHF Signal Generator	MG540	M73091	Anritsu	1986			Damaged
15		Selective Level Meter/Generator	AJ7530	534584	Ando	1986			Damaged
16		Psophometric Weighting Network	NJM776B	ES11471	Yogogawa	1986			Good
									Damaged

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Site Name: Ambon

AMB-191- (13 / 13)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
5		Others							
1		VHF/UHF Dummy Load	TP5JID	22163	Fujisoku	1968			Good
2		Tape Recorder	X-2000R	50617					Damaged
3		Jack Panel	NQC-476B	-					Good
4		Printer Panel	NXC-45	BP91216					Damaged
5		Telex Sender	LO.133	202400					Damaged
6		Telex Receiver	LO.133	200137					Damaged
7		Telex Sender/Receiver	LO.133	702125					Damaged
8		Teleprinter with Stand	T.1000	BCS.280970					Damaged
9		Air Conditioner 10x	Window	-					Damaged
10		Air Compressor	CA 31	708110	Taiwan	1978			Good
11		Welding Trafo	140	-	Weidmate				Damaged

STATUS OF TROUBLES

SITE NAME : AMBON

AMB-191-(1/1)

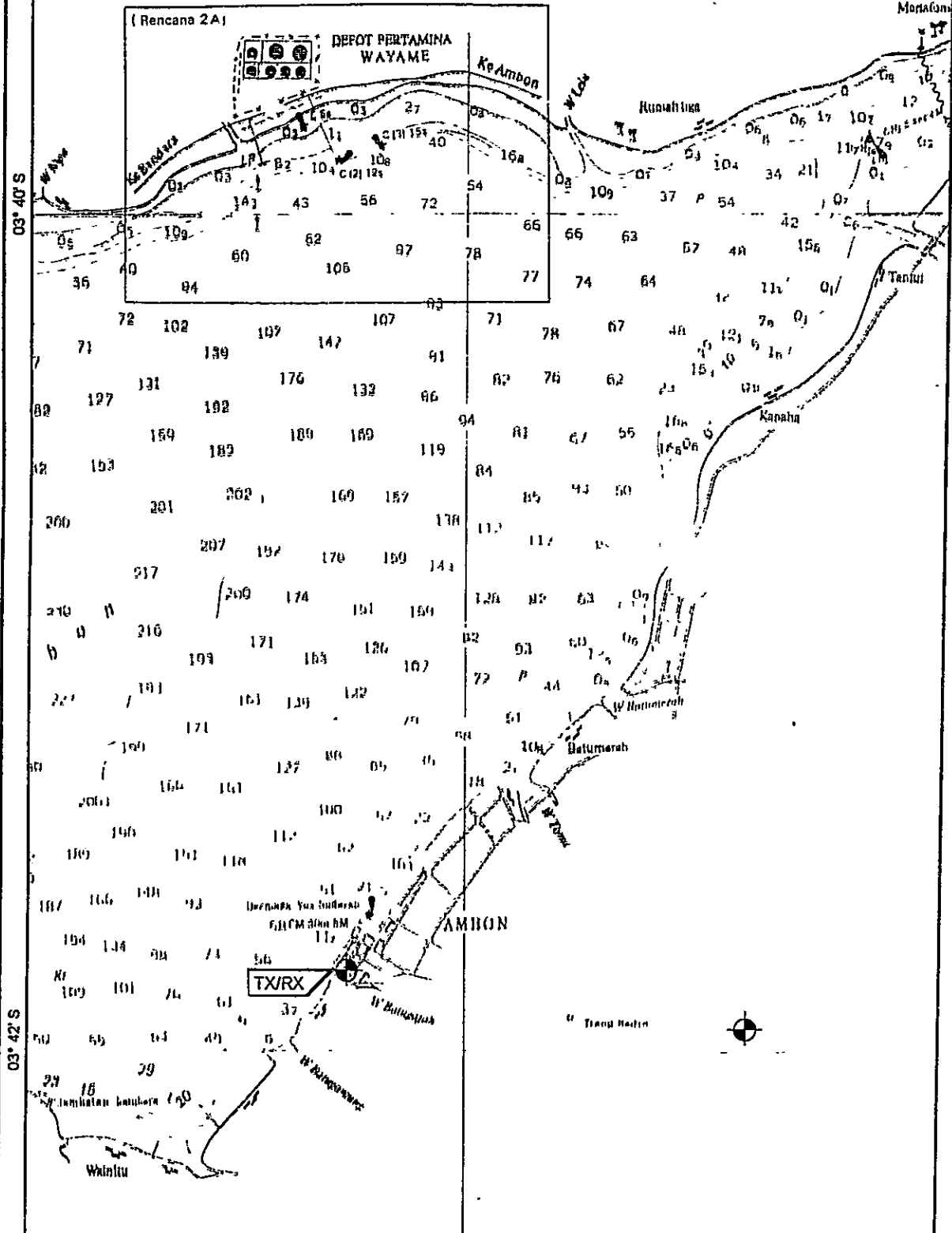
Item / Equipment	Sarcom Transmitter (2 Units), Transmitter JRS 713AM, Antenna Matching Unit (DSC) / -		
Manufacturer	JRC		
Manufacturer in year	1990, 1996, 1996		
Defective panel / unit	PA, Exciter, Matching Unit - Power Supply - CKT 2		
Details of Trouble Status	Cause due to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input checked="" type="checkbox"/> Immediacy
	<input checked="" type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input checked="" type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
<p>The trouble for maintenance/repairing is un-availability of spare part, therefore we request for spare part as per unit Generator has been aged (since 1968), we request for to replace by the new one</p> <p>Transmitting Station building construction is un-sufficient, therefore we request for renovation Transmitting Station office building and electrical installation</p> <p>Training for operator and technician to support high expansion of telecommunication</p> <p>We request for additional of Air Conditioner</p>			

128° 10' E

Untuk menyesuaikan dengan skala 1 : 200.000 (Peta 336)

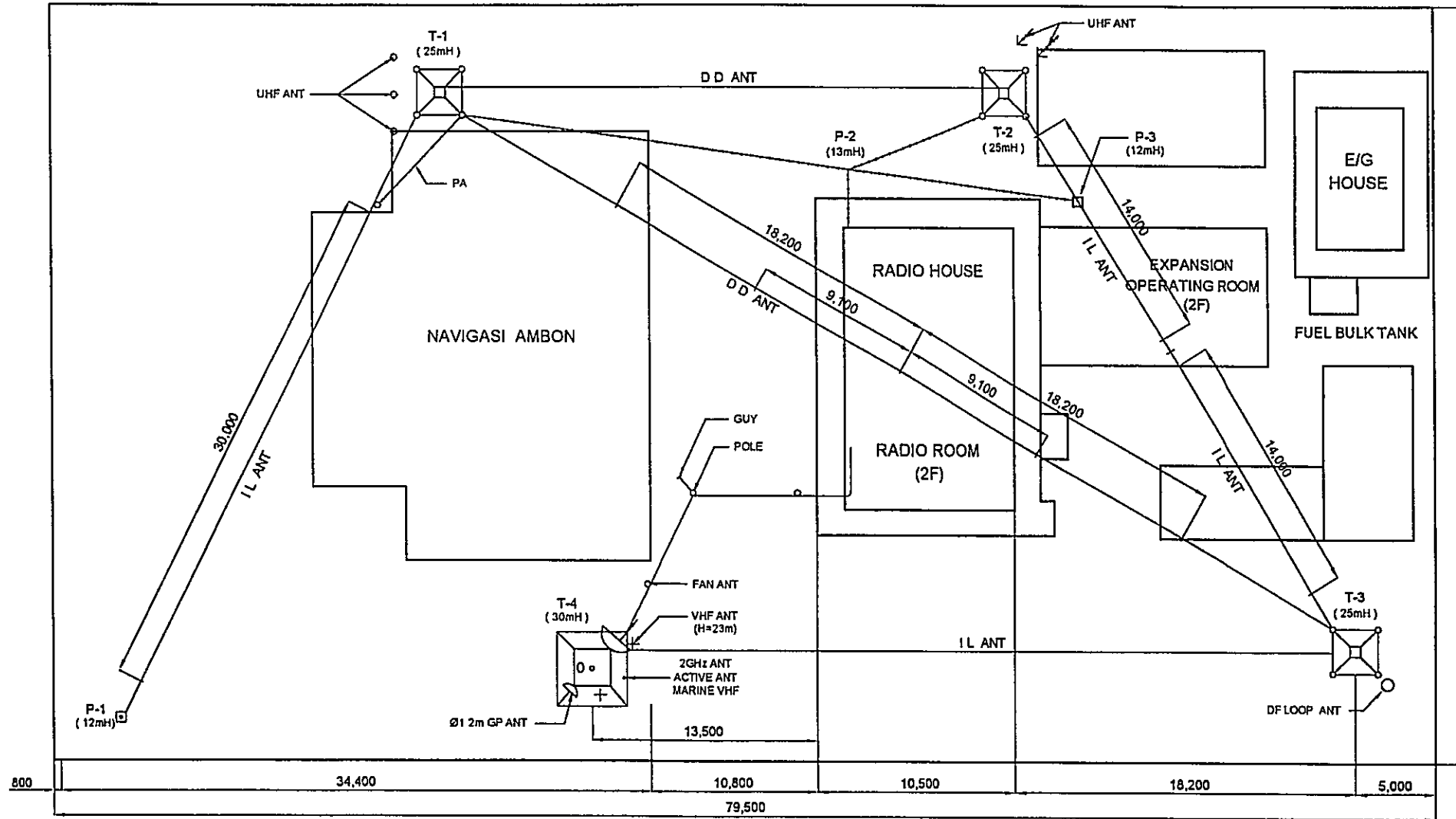
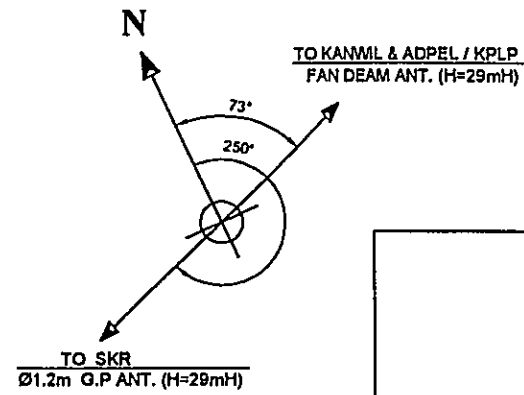
Lintang dikurangi : 11"

Bujur ditambah : 43"



APPROVED BY JICA
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
July 11, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 12,500	AMBON	
DIMENSION	DRAWING NO.	
Meter	S.R.O.P. - A.B.N. - 1.9.1 - 1	

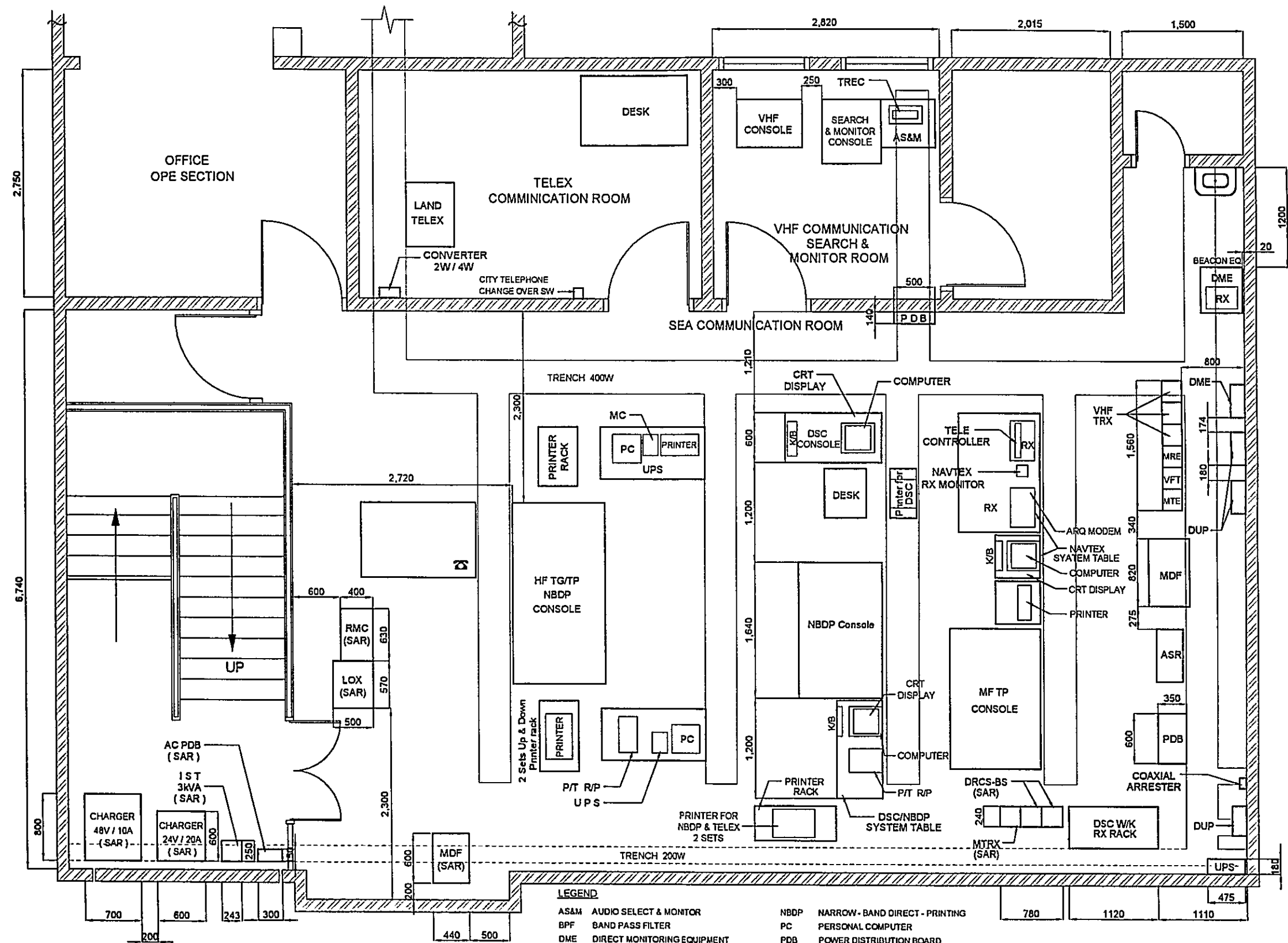


DRAWN BY AAB
 APPROVED BY JICA

LEGEND

- ANT : ANTENNA
- DD : DOUBLE DOUBLET
- IL : INVERTED L
- PA : PANZER MAST
- UHF : ULTRA HIGH FREQUENCY
- VHF : VERY HIGH FREQUENCY

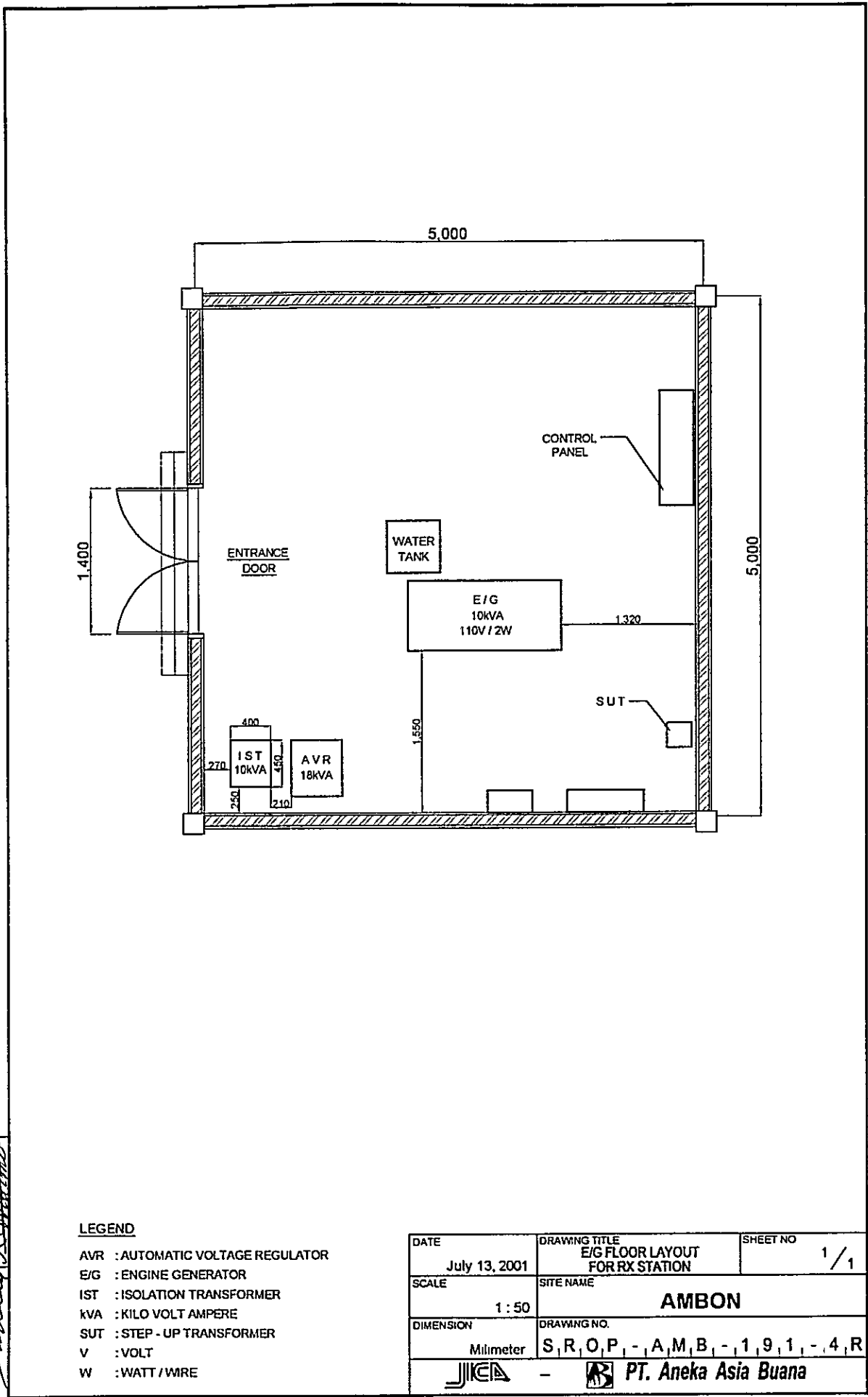
DATE July 13, 2001	DRAWING TITLE ANTENNA LAYOUT FOR RX STATION	SHEET NO 1 / 1
SCALE 1 : 300	SITE NAME AMBON	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, A, M, B, -, 1, 9, 1, -, 2, R	
-		



- LEGEND**
- | | | | |
|------|------------------------------|---------|---------------------------------|
| AS&M | AUDIO SELECT & MONITOR | NBDP | NARROW - BAND DIRECT - PRINTING |
| BPF | BAND PASS FILTER | PC | PERSONAL COMPUTER |
| DME | DIRECT MONITORING EQUIPMENT | PDB | POWER DISTRIBUTION BOARD |
| DUP | DUPLEXER | P/T R/P | PAPER TAPE READER/PANCHER |
| DSC | DIGITAL SELECTIVE CALLING | RCR | REMOTE CONTROL RADIO |
| HF | HIGH FREQUENCY | RX | .RECEIVER |
| IST | ISOLATION TRANSFORMER | TG | TELEGRAPHY |
| KVA | KILO VOLT AMPERE | TP | TELEPHONY |
| MF | MEDIUM FREQUENCY | TREC | TAPE RECORDER |
| MDF | MAIN DISTRIBUTION FRAME | TRX | .TRANSCIVER |
| MRE | MULTIPLEX RADIO EQUIPMENT | UPS | .UNINTERRUPTED POWER SUPPLY |
| MTE | MULTIPLEX TERMINAL EQUIPMENT | VFT | VOICE FREQUENCY TELEGRAPH |

DATE	DRAWING TITLE	SHEET NO
July 13, 2001	EQUIPMENT FLOOR LAYOUT FOR RX STATION	1/2
SCALE	SITE NAME	
1:50	AMBON	
DIMENSION	DRAWING NO	
Millimeter	S.R.O.P. - A.M.B. - 1.9.1. - 3.R	
-		

DRAWN BY A.B. APPROVED BY JICA

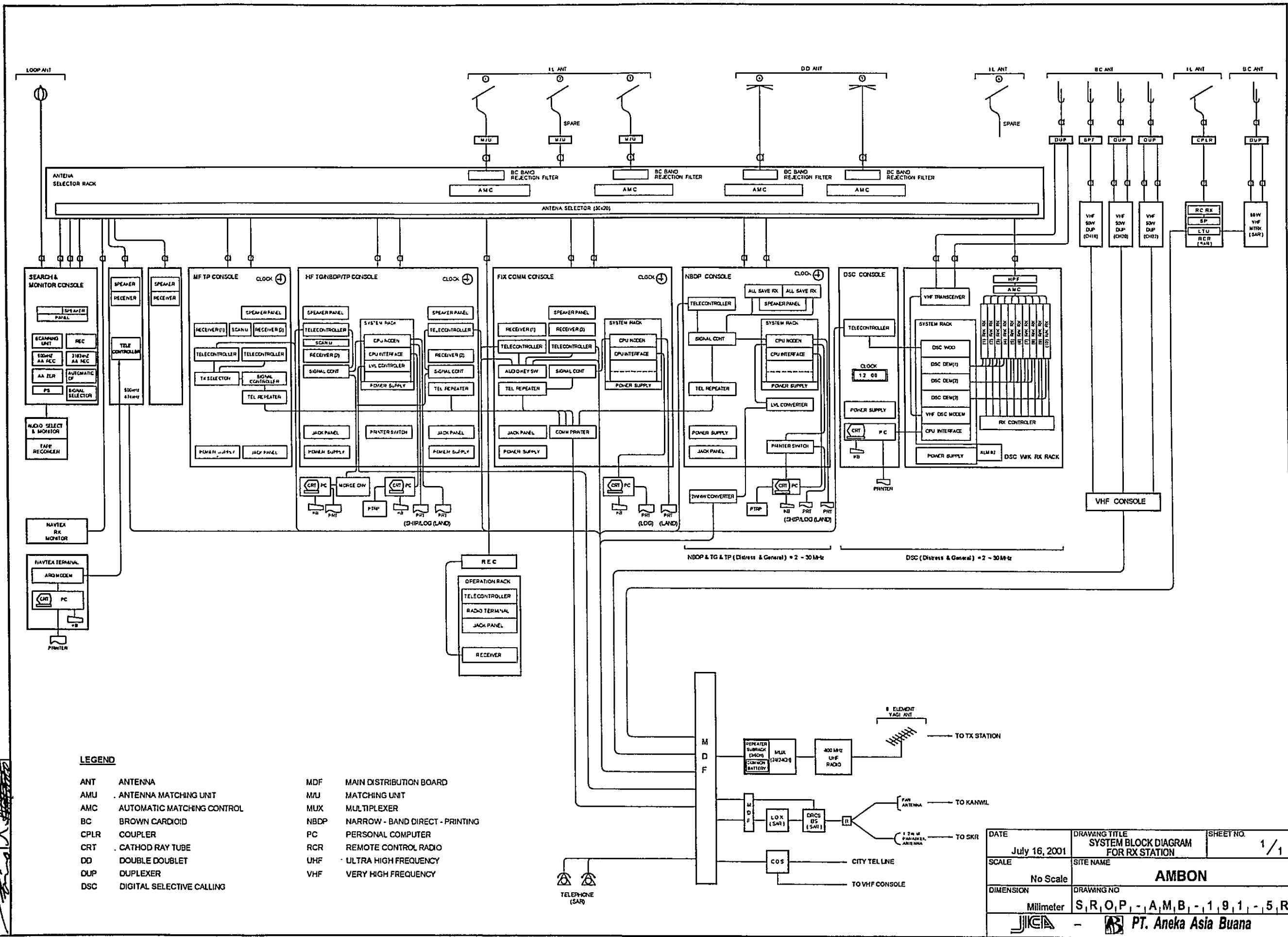


DRAWN BY AAB
 APPROVED BY JICA
[Signature]

LEGEND

- AVR : AUTOMATIC VOLTAGE REGULATOR
- E/G : ENGINE GENERATOR
- IST : ISOLATION TRANSFORMER
- kVA : KILO VOLT AMPERE
- SUT : STEP - UP TRANSFORMER
- V : VOLT
- W : WATT / WIRE

DATE July 13, 2001	DRAWING TITLE E/G FLOOR LAYOUT FOR RX STATION	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME AMBON	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, A, M, B, -, 1, 9, 1, -, 4, R	
- PT. Aneka Asia Buana		



LEGEND

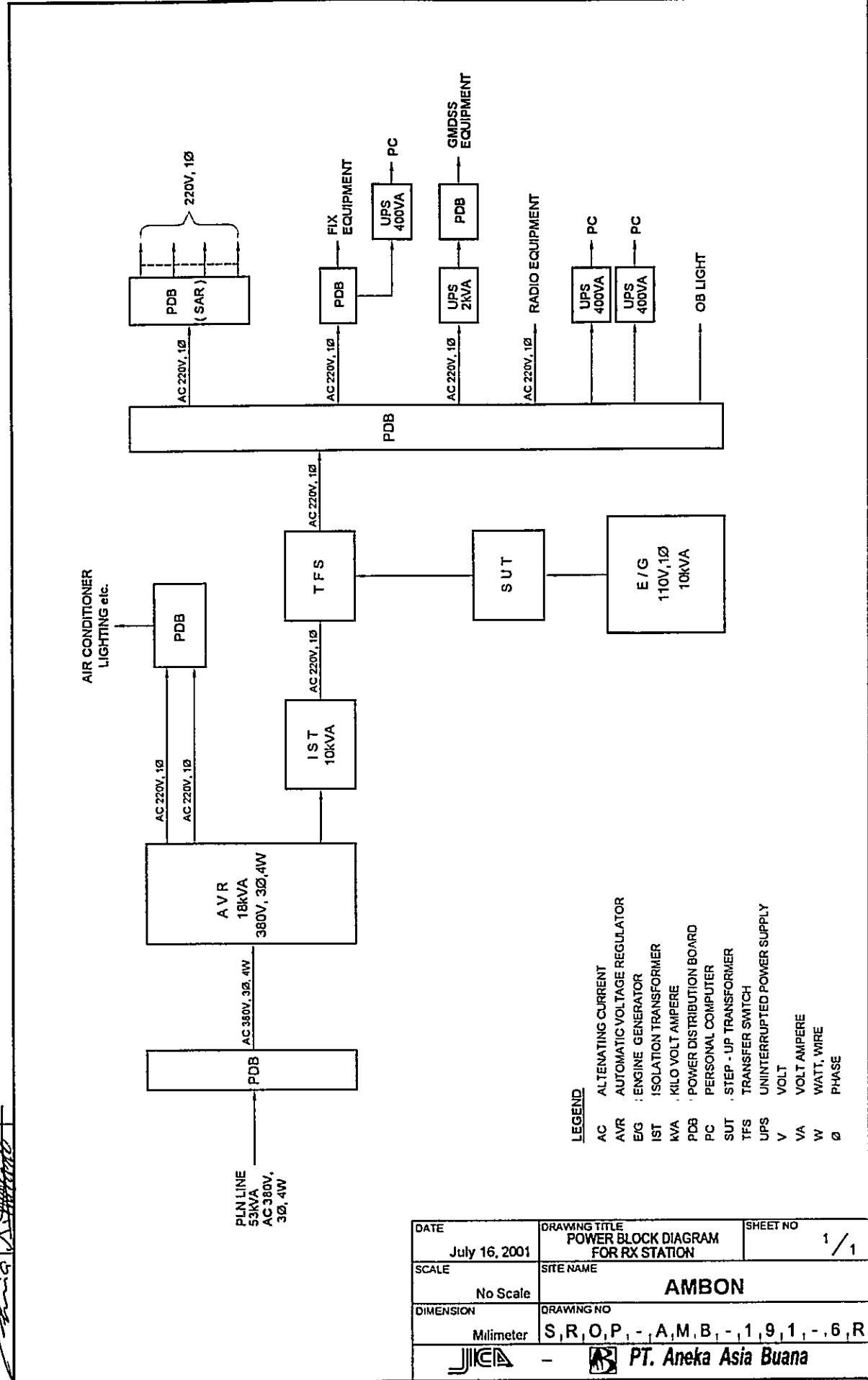
- | | | | |
|------|----------------------------|------|---------------------------------|
| ANT | ANTENNA | MDF | MAIN DISTRIBUTION BOARD |
| AMU | ANTENNA MATCHING UNIT | MU | MATCHING UNIT |
| AMC | AUTOMATIC MATCHING CONTROL | MUX | MULTIPLEXER |
| BC | BROWN CARDIOD | NBDP | NARROW - BAND DIRECT - PRINTING |
| CPLR | COUPLER | PC | PERSONAL COMPUTER |
| CRT | CATHOD RAY TUBE | RCR | REMOTE CONTROL RADIO |
| DD | DOUBLE DOUBLET | UHF | ULTRA HIGH FREQUENCY |
| DUP | DUPLEXER | VHF | VERY HIGH FREQUENCY |
| DSC | DIGITAL SELECTIVE CALLING | | |

DRAWN BY AAB. APPROVED BY JCA.



DATE	DRAWING TITLE	SHEET NO.
July 16, 2001	SYSTEM BLOCK DIAGRAM FOR RX STATION	1 / 1
SCALE	SITE NAME	
No Scale	AMBON	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - A, M, B, - 1, 9, 1, - 5, R	

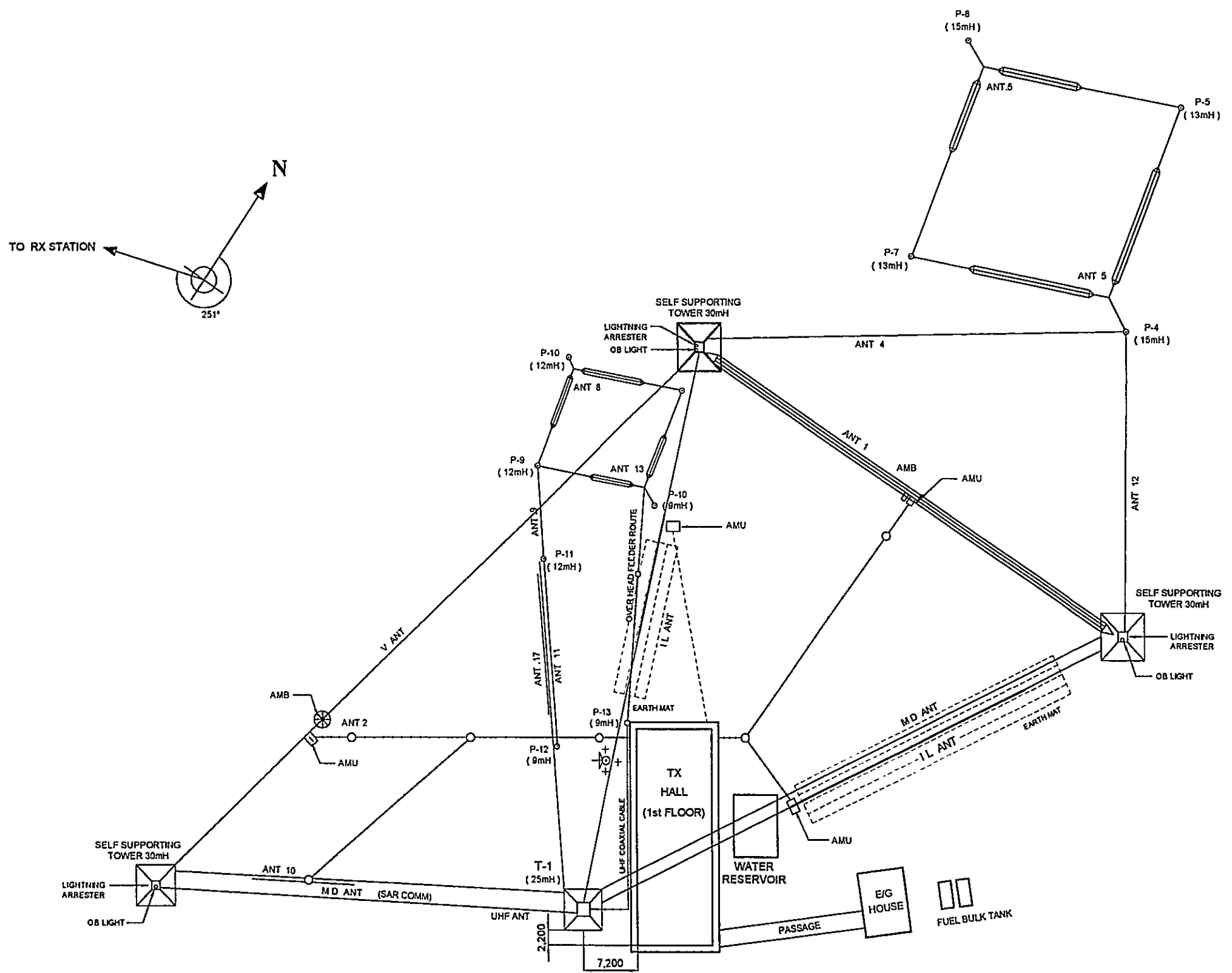
DRAWN BY AAB

APPROVED BY JICA

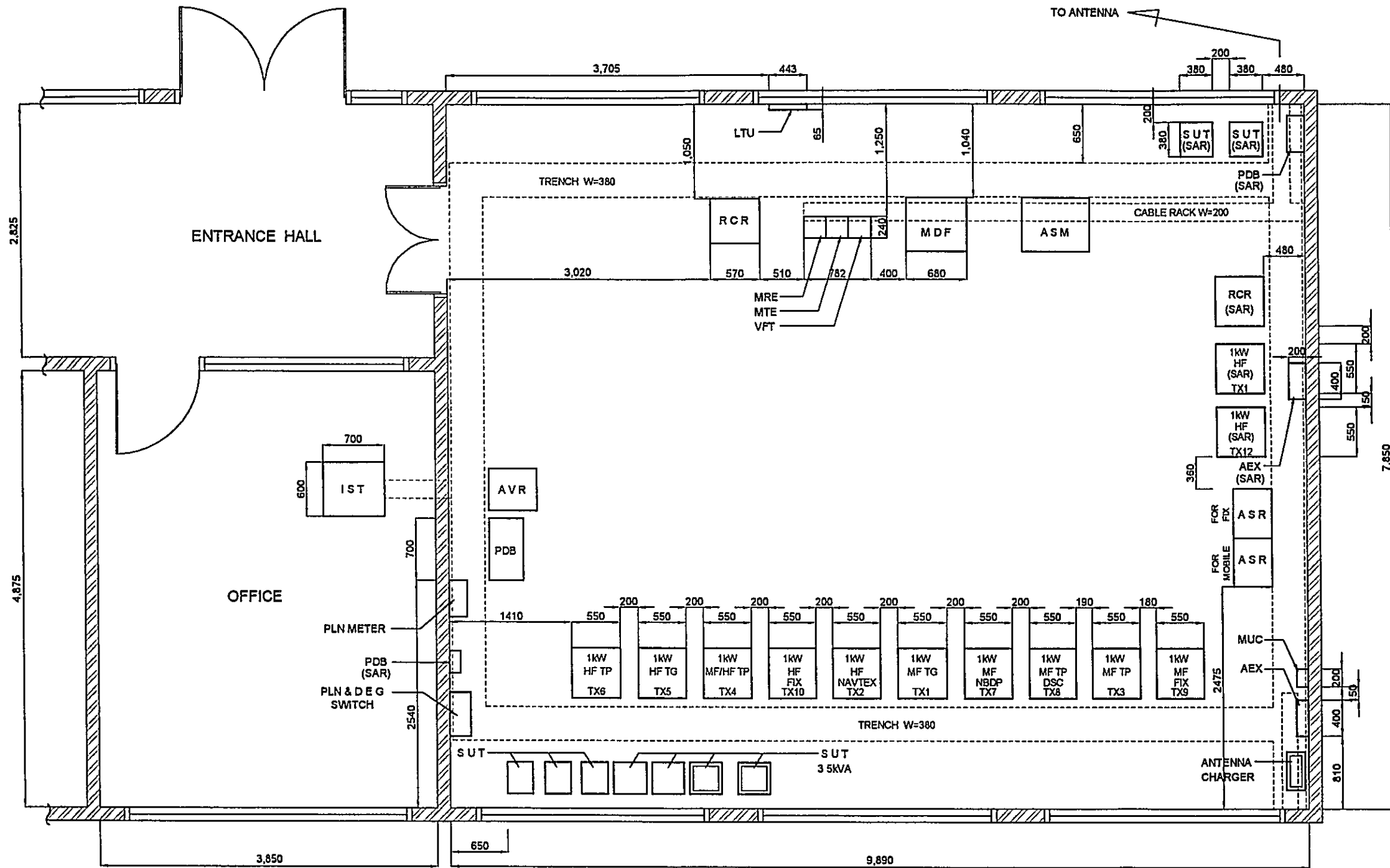
- LEGEND**
- AC ALTERNATING CURRENT
 - AVR AUTOMATIC VOLTAGE REGULATOR
 - E/G ENGINE GENERATOR
 - IST ISOLATION TRANSFORMER
 - kVA KILO VOLT AMPERE
 - PDB POWER DISTRIBUTION BOARD
 - PC PERSONAL COMPUTER
 - SUT STEP - UP TRANSFORMER
 - TFS TRANSFER SWITCH
 - UPS UNINTERRUPTED POWER SUPPLY
 - V VOLT
 - VA VOLT AMPERE
 - W WATT, WIRE
 - Ø PHASE

DATE July 16, 2001	DRAWING TITLE POWER BLOCK DIAGRAM FOR RX STATION	SHEET NO 1 / 1
SCALE No Scale	SITE NAME AMBON	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - , A, M, B, - , 1, 9, 1, - , 6, R	
  PT. Aneka Asia Buana		



DRAWN BY: *[Signature]*
 APPROVED BY: *[Signature]*

DATE	DRAWING TITLE	SHEET NO.
July 16, 2001	ANTENNA LAYOUT FOR TX STATION	1 / 1
SCALE	SITE NAME	
No Scale	AMBON	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - 1, A, M, B, - 1, 9, 1, - 2, T	

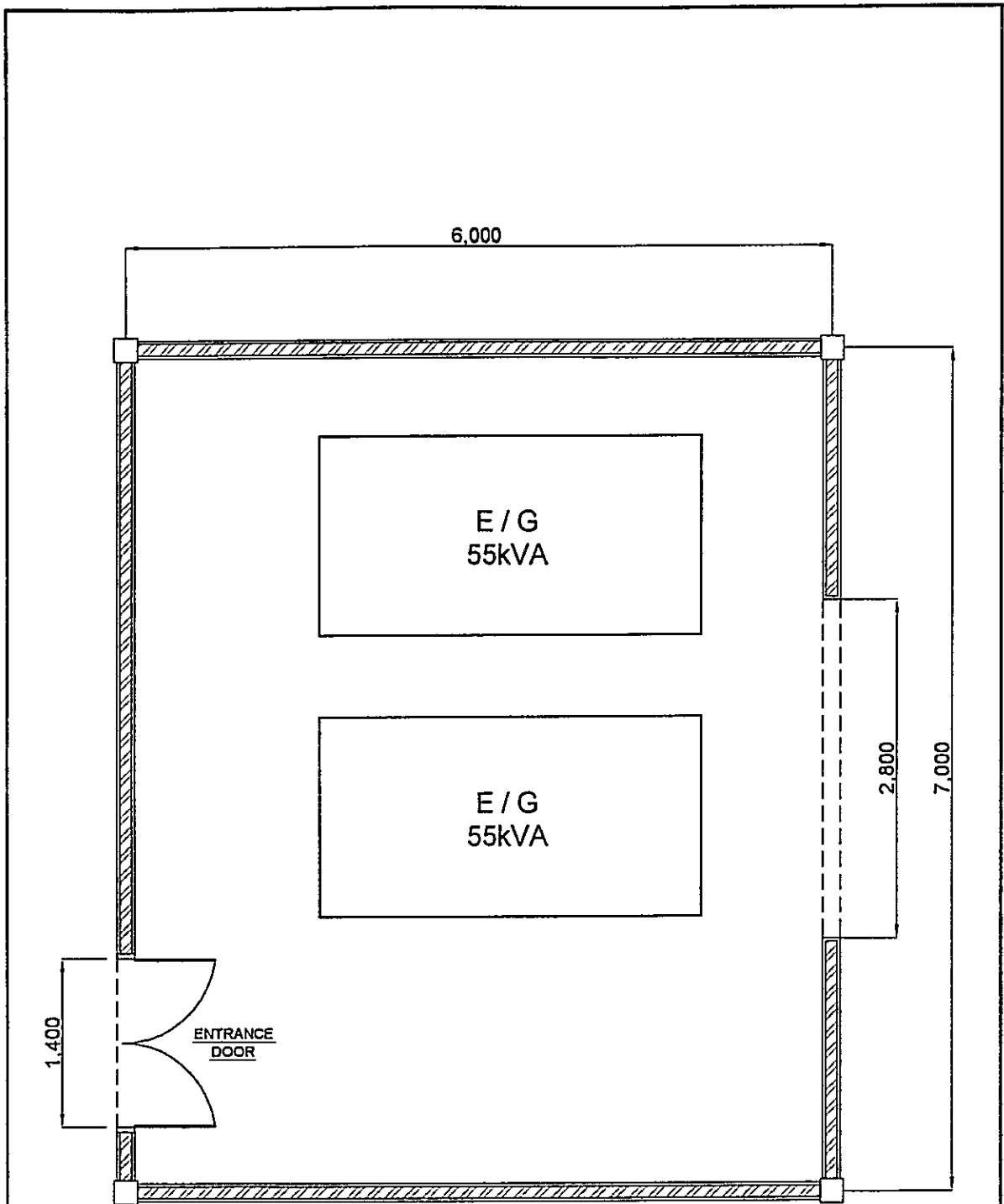


LEGEND

- | | |
|--------------------------------------|--|
| AEX : ANTENNA EXCHARGER | MUC : MATCHING UNIT CONTROL |
| ASM : ANTENNA SWITCH MATRIX | NBDP : NARROW - BAND DIRECT - PRINTING |
| AVR : AUTOMATIC VOLTAGE REGULATOR | PDB : POWER DISTRIBUTION BOARD |
| DSC : DIGITAL SELECTIVE CALLING | RCR : REMOTE CONTROL RADIO |
| FIX : FIX COMMUNICATION | SUT : STEP - UP TRANSFORMER |
| HF : HIGH FREQUENCY | TG : TELEGRAPHY |
| LTU : LOCAL TERMINAL UNIT | TP : TELEPHONY |
| MF : MEDIUM FREQUENCY | TX : TRANSMITTER |
| MTE : MULTIPLEXER TERMINAL EQUIPMENT | VFT : VOICE HIGH FREQUENCY |
| MRE : MULTIPLEXER RADIO EQUIPMENT | |

DATE July 16, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT FOR TX STATION	SHEET NO 1/1
SCALE 1:50	SITE NAME AMBON	
DIMENSION Millimeter	DRAWING NO. S R O P - A M B - 1 9 1 - 3 T	

DRAWN BY: A.S.B. APPROVED BY: J.P.A.

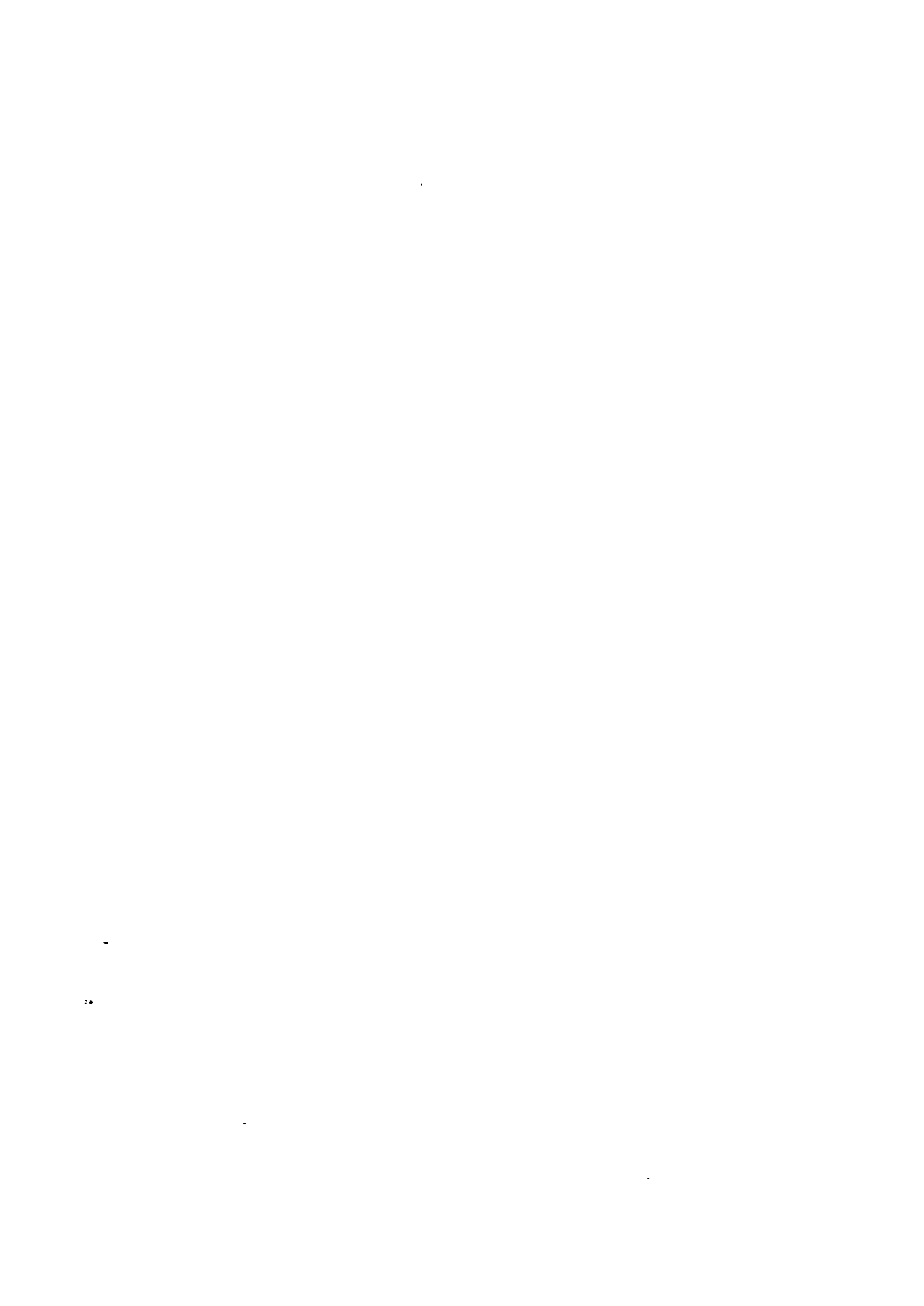


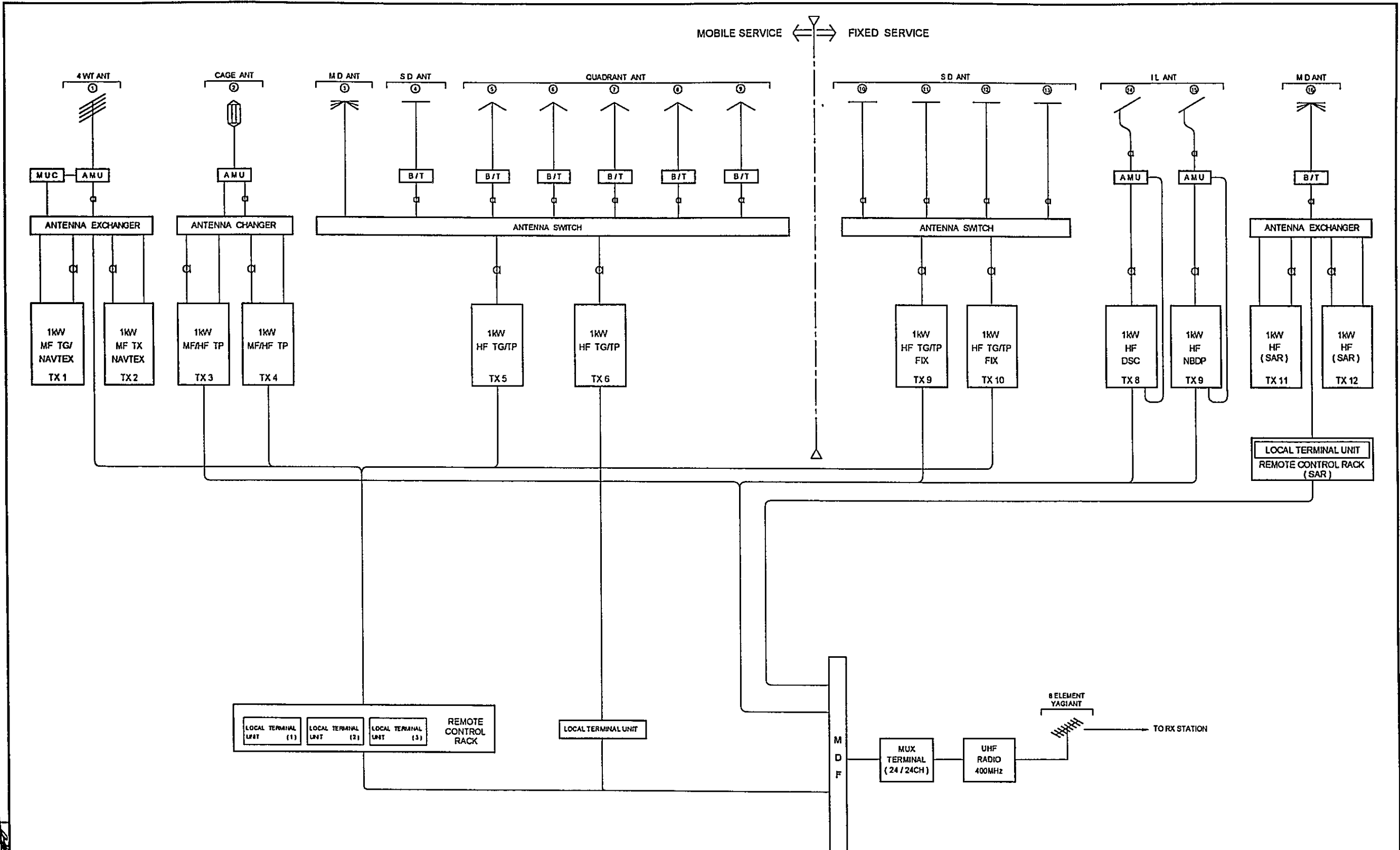
DRAWN BY AAB
 APPROVED BY JICA

LEGEND

E/G ENGINE GENERATOR
 kVA . KILO VOLT AMPERE

DATE July 13, 2001	DRAWING TITLE E/G FLOOR LAYOUT FOR TX STATION	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME AMBON	
DIMENSION Milmeter	DRAWING NO. S, R, O, P, -, A, M, B, -, 1, 9, 1, -, 4, T	
- PT. Aneka Asia Buana		



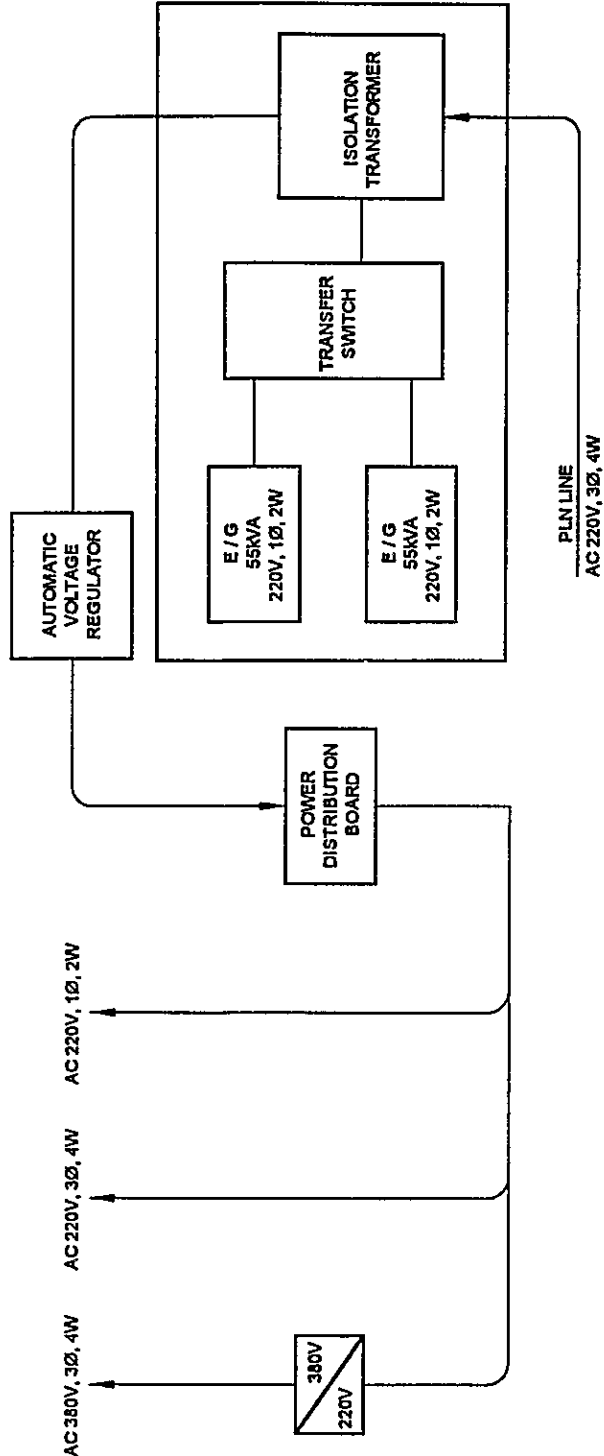


- LEGEND**
- ANT ANTENNA
 - AMU ANTENNA MATCHING UNIT
 - B/T BALUNTS TRANS
 - DSC DIGITAL SELECTIVE CALLING
 - HF HIGH FREQUENCY
 - IL INVERTED L
 - MD MULTI DOUBLET
 - MF MEDIUM FREQUENCY
 - MDF MAIN DISTRIBUTION FRAME
 - MUC MATCHING UNIT CONTROL
 - MUX MULTIPLEXER
 - NBDP NARROW - BAND DIRECT - PRINTING
 - RCR REMOTE CONTROL RADIO
 - SD SINGLE DOUBLET
 - TG TELEGRAPHY
 - TP TELEPHONY
 - TX TRANSMITTER
 - UHF ULTRA HIGH FREQUENCY
 - WT WIRE T TYPE

DATE July 16, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM FOR TX STATION	SHEET NO 1/1
SCALE No Scale	SITE NAME AMBON	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, A, M, B, -, 1, 9, 1, -, 5, T	

APPROVED BY JCA.
 DRAWN BY ASD.

DRAWN BY AAB
 APPROVED BY JICA



DATE July 16, 2001	DRAWING TITLE POWER BLOCK DIAGRAM FOR TX STATION	SHEET NO 1 / 1
SCALE No Scale	SITE NAME AMBON	
DIMENSION Millimeter	DRAWING NO. S, R, O, P, - A, M, B, - 1, 9, 1, - 6, T	
- PT. Aneka Asia Buana		

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

**3rd Class Coast Station
Ternate
(Coast Station No. 192)**

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	TERNATE		
	CLASS	3rd	NO.	192

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Sabia Kel. Sangadji	911-21627		127° 21' 52" E	00° 47' 00" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Ambon [Taking time: 5.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Air	to Ternate [Taking time: 1.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Location [Taking time: 0.15 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

3. CONDITIONS OF STATION	Refer to attached drawing
---------------------------------	---------------------------

3.1 Site Conditions			
Topography	Nature of Soil		Past disaster of site
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide
<input checked="" type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		
Altitude	10.00 M		Telephone Lines
Land area	940.00 m ²		<input checked="" type="checkbox"/> 1 Lines

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	220/380 V	
Structure	Concrete	Phase	1	3	
Type of roof	Zinc	Wire	2	4	
Type of ceiling	Triplex	kVA	1.5	10	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Painting	Fluctuations	220 V ± 10 %		Day tank
Flooring	Tile	Availability of power per day	24 Hours		10 Liter
Room Area (m²)		Power interruption /month	10 Times		E/G Stand-by System
Operation room	30.24	Total interpt. hours /month	30 Hours		<input checked="" type="checkbox"/> Single System
E / G room	25.00	Max. interpt. hours at once	24 Hours		<input type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
Restoration flow	Send to Ambon to be repaired			Chief	1			
Examples of major failure	Damaged by lightening			Operator (skilled)	2 (1)		()	
Sufficiency of spares				Technician (skilled)	()		()	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall			Good	Bad				
<input type="checkbox"/> Storm			<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises		Total	
<input checked="" type="checkbox"/> Lightning	Transmitter T2131		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution		3	
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Pre	II	Jakarta	1988	1
3 Measuring eqpt tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	Oru	Jakarta		1
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input checked="" type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	TERNATE		
	CLASS	3rd	NO.	192

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 Telecommunication is very important in Maluku because: Maluku contents of Islands which separated by Ocean and 90% of Maluku area is ocean Transportation between island by using ship and Maritime Telecommunication is using as ship navigation monitoring
Remarks	

INVENTORY

Site Name: Ternate

TNT-192- (1 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		ME/HF System							
1-1-1		ME/HF Transmitter/Transceiver							
1		Transmitter	NSD-1085	5640	JRC	1968			Damaged
2		SSB Transceiver	NMR-130		PYE	1970			Good
3		SSB Transceiver	JSB-161	ES-24891	JRC	1989			Good
4		SSB Transceiver	FS-1002		Furuno				Damaged
5		SSB Transceiver	NBD-510		JRC	1989			Good
1-1-2		MF/HF Receiver							
1		Receiver	NMR-1030K	21095	JRC	1967			Damaged
2		Receiver	NRD-1061TSA	050-21	INTI	1978			Damaged
3		Receiver	FRG-800	9D320083	Yaesu	1989			Good
1-1-3		MF TG/TP Console							
1		Operation Console	RH-002	007	Sailor	1996	F-TA-193: PH3		Good
2		MF Transmitter							
		400W MF Transmitter	T1127L	504129	Sailor	1996	F-TA-193: PH3		Good
		400W MF Transmitter	T1127L	504086	Sailor	1996	F-TA-193: PH3		Good
		Exciter	S1301L	504141	Sailor	1996	F-TA-193: PH3		Good
		Exciter	S1301L	504136	Sailor	1996	F-TA-193: PH3		Good
		Tuner	H1201	504161	Sailor	1996	F-TA-193: PH3		Good
		Tuner	H1201	504162	Sailor	1996	F-TA-193: PH3		Good
		Power Supply	N1401	504114	Sailor	1996	F-TA-193: PH3		Good
		Power Supply	N1401	504148	Sailor	1996	F-TA-193: PH3		Good
1-1-4		MF/HF TG/TP/DSC Console							
1		Operation Console	RH-16-3	010	Sailor	1996	F-TA-193: PH3		Good
2		MF/HF Equipment							
		600 W MF/HF Transmitter	T2131	514896	Sailor	1996	F-TA-193: PH3		Damaged
		600 W MF/HF Transmitter	T2131	514736	Sailor	1996	F-TA-193: PH3		Damaged
		AC Power Supply	N2171	517387	Sailor	1996	F-TA-193: PH3		Good

Ambon

INVENTORY

Site Name: Ternate

TNT-192- (2 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3		AC Power Supply	N2171	520474	Sailor	1996	F-TA-193: PH3		Good
		Antenna Coupler (on the wall)	AT2112	522620	Sailor	1996	F-TA-193: PH3		Good
		Antenna Coupler (on the wall)	AT2112	522619	Sailor	1996	F-TA-193: PH3		Good
		CW Unit	H2185	514374	Sailor	1996	F-TA-193: PH3		Good
		CW Unit	H2185	512150	Sailor	1996	F-TA-193: PH3		Good
		All Wave Receiver							
		Control Unit HF1	RE2100	516643	Sailor	1996	F-TA-193: PH3		Good
		Control Unit HF2	RE2100	521655	Sailor	1996	F-TA-193: PH3		Good
		Duplex Receiver	R2120T	512134	Sailor	1996	F-TA-193: PH3		Good
		Duplex Receiver	R2120T	511892	Sailor	1996	F-TA-193: PH3		Good
3		Loudspeaker (2)	H2054		Sailor	1996	F-TA-193: PH3		Good
		Spot Receiver							
4		MF/HF DSC W/K RX	RM2150	523155	Sailor	1996	F-TA-193: PH3		Good
		Power Supply	N2165	510617	Sailor	1996	F-TA-193: PH3		Good
		Terminal Unit (DSC VHF/HF)							
		DSC System	TT-6200A		Sailor	1996	F-TA-193: PH3		Good
		LAN	TT-101064		Sailor	1996	F-TA-193: PH3		Good
		LAN I/O	TT-101065		Sailor	1996	F-TA-193: PH3		Good
		CPU	TT-101051		Sailor	1996	F-TA-193: PH3		Good
		CPU I/O	TT-10123		Sailor	1996	F-TA-193: PH3		Good
		Paralel	TT-101190		Sailor	1996	F-TA-193: PH3		Good
		Paralel I/O	TT-101217		Sailor	1996	F-TA-193: PH3		Good
		VHF Modem	TT-102239		Sailor	1996	F-TA-193: PH3		Good
		HF Modem	TT-1022337		Sailor	1996	F-TA-193: PH3		Good
		Modem I/O (2)	TT-102238		Sailor	1996	F-TA-193: PH3		Good
		Alarm I/O	TT-101242		Sailor	1996	F-TA-193: PH3		Good
	Power Supply	TT-101122		Sailor	1996	F-TA-193: PH3		Good	
	Power Input	TT-101241		Sailor	1996	F-TA-193: PH3		Good	
	DSC Op. Position Term./PC								
	1) Compaq Proline 466			3503V5	Sailor	1996	F-TA-193: PH3		Good
	2) Compaq Monitor 140			532AFU5CB852	Sailor	1996	F-TA-193: PH3		Good
	Printer (H-1252A)			4CAP3136992	Sailor	1996	F-TA-193: PH3		Good
	Monitor Display	TT-1608C			Sailor	1996	F-TA-193: PH3		Good
		TT-3602B		200025205	Sailor	1996	F-TA-193: PH3		Good

INVENTORY

Site Name: Ternate

TNT-192- (3 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
5		DSC Alarm Signal Control Panel Audio/Digital Matrix Keyer Loudspeaker (2) Telephone Repeater (Phone Patch) Radio/Tel I/F Unit ARQ Equipment	TT-1542B MTX-1616 KK-1 H2054 RTU-282	9603522 138 359 163	Sailor Sailor Sailor Sailor Sailor	1996 1996 1996 1996 1996	F-TA-193: PH3 F-TA-193: PH3 F-TA-193: PH3 F-TA-193: PH3 F-TA-193: PH3		Good Good Good Good Good
6		Radio/Tel I/F Unit ARQ Equipment	RTU-282	163	Sailor	1996	F-TA-193: PH3		Good
7		Radiotelex Modem ARQ Key Board Printer (H1252A) Telex Alarm	TT-1585E TT-1601 A TT-1680C TT-1542B	9603507 9603537 4CAP3136999 9603521	Sailor Sailor Sailor Sailor	1996 1996 1996 1996	F-TA-193: PH3 F-TA-193: PH3 F-TA-193: PH3 F-TA-193: PH3		Good Good Good Good
1-2		VHF System							
1-2-1		VHF Transceiver							
1		VHF Radio Telephone	JHV-227YA	BH-16878	JRC	1989			Good
2		Duplexer	NEI-24YN	9-1234					
1-2-2		VHF Console							
1		Operation Console	RH-16-1	010	Sailor	1996	F-TA-193: PH3		Good
2		Multichannel VHF Transceiver							
		VHF Transceiver	RT 2048	523693	Sailor	1996	F-TA-193: PH3		Good
		VHF Transceiver	RT 2048	523700	Sailor	1996	F-TA-193: PH3		Good
		VHF Transceiver	RT 2048	523697	Sailor	1996	F-TA-193: PH3		Good
		VHF Transceiver	RT 2048	523692	Sailor	1996	F-TA-193: PH3		Good
		Linier Power Amplifier	A2080BE-H	219	Sailor	1996	F-TA-193: PH3		Good
		Linier Power Amplifier	A2080BE-H	297	Sailor	1996	F-TA-193: PH3		Good
		Linier Power Amplifier	A2080BE-H	220	Sailor	1996	F-TA-193: PH3		Good
		Linier Power Amplifier	A2080BE-H	293	Sailor	1996	F-TA-193: PH3		Good
		Duplex Filter		237213	Sailor	1996	F-TA-193: PH3		Good
		Duplex Filter		237199	Sailor	1996	F-TA-193: PH3		Good
3		CH-70 VHF T/R VHF T/R High Low I/F Unit (2) RF Power Amplifier	RT2048 A2080BE-H	523679 574	Sailor Sailor Sailor	1996 1996 1996	F-TA-193: PH3 F-TA-193: PH3 F-TA-193: PH3		Good Good Good

Ambon

INVENTORY

Site Name: Ternate

TNT-192- (4 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
4		AC Power Supply	NI63S	N16303	Sailor	1996	F-TA-193: PH3		Good
		DC Power Supply	N420	N42003	Sailor	1996	F-TA-193: PH3		Good
		AC Power Supply	PSF-1	TWR/12770/142	Sailor	1996	F-TA-193: PH3		Good
7		Term Equipt. (DSC VHF/HF)	MTX-1616	147	Sailor	1996	F-TA-193: PH3		Good
		Audio/Digital Matrix							
		Telephone Repeater							
		Radio/Tel I/F Unit	RTU-280	190	Sailor	1996	F-TA-193: PH3		Good
2		Tower & Antenna System							
2-1		Tower & Mast							
1		25mH Self Supporting (2)	Square			1976			Damaged
2		24mH Self Supporting (1)	Square			1976			Damaged
3		30mH Self Supporting Structure (2)	AT30SS		Sailor	1996	F-TA-193: PH3		Good
4		20mH Self Supporting Structure (2)	AT20SS		Sailor	1996	F-TA-193: PH3		Good
5		Lightning Protector (4)			Sailor	1996	F-TA-193: PH3		Good
6		Grounding (4)			Sailor	1996	F-TA-193: PH3		Good
2-2		Antenna System							
1		Inverted "L" Antenna (3)	L Type		Sailor	1976			Good
2		T Type Antenna (for TX)	CAS/1-20-15		Sailor	1996	F-TA-193: PH3		Good
3		I/L Antenna for T/R (2)	HF7		Sailor	1996	F-TA-193: PH3		Good
4		D/D Antenna	E-22		Sailor	1996	F-TA-193: PH3		Good
5		VHF Antenna (3)	VHF 3		Sailor	1996	F-TA-193: PH3		Good
2-3		Antenna Switch							
1		Antenna Coupler	NFG-160			1976			Good
2		Antenna Distributor	AAD101/A-J1-6G	BS-24887 001009	Sailor	1996	F-TA-193: PH3		Good
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		7.5kVA PDB for TX/RX	PL 95-7s	9509	Local	1996	F-TA-193: PH3		Good
2		10 kVA Control Panel (AMF)			Sailor	1996	F-TA-193: PH3		Good
3-2		Isolation Transformer							
1		7.5kVA, 4W, 3P	IST 10P3	9509	Sailor	1996	F-TA-193: PH3		Good

INVENTORY

Site Name: Ternate

TNT-192-(5/6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3-3		Step-Up Transformer 9.9kVA, 4W, 3P	STU 10P3	9508	Sailor	1996	F-TA-193: PH3		Good
3-4		UPS & AVR Battery 12V/100AH (4)	S-62	4476	Yuasa				Damaged
2		Battery Charger	S/W-12	14-687-76	Phillips				Good
3		Battery Charger	AVR7P3	9509	CNT				Good
4		AVR . 7.5kVA, 4W, 3P			Sailor	1996	F-TA-193: PH3		Good
3-5		Engine Generator	F-75-S	1041645	Honda	1970			Damaged
1		Engine	KF-79	24743316	Harts				Damaged
2		Engine	EC-1500T		Honda	1970			Damaged
3		Generator 110V	T-95	74478	Alkmar				Damaged
4		Generator							Damaged
5		Diesel E/G							Good
6		10 kVA, 380V, 3P, 4W Single Standby Engine	EG 10 RA	584125	Sailor	1996	F-TA-193: PH3		Good
		Generator	V-1505E	CO51634/9	Sailor	1996	F-TA-193: PH3		Good
		E/G Panel	BC1-164-D	9509	Sailor	1996	F-TA-193: PH3		Good
7		Fuel System							Good
		Starting, Fuel, Exhaust System							Good
		100 L Fuel Day Tank							Good
		Fuel Control Unit							Good
		1000 L Fuel Storage Tank							Good
4		Measuring Equipment							
		Analog Oscilloscope	PM3065	DM639022	Sailor	1996	F-TA-193: PH3		Good
		Probe/Lead (2)							Good
		Power Cable (1)							Good
		Black Cover (1)							Good
		Operation Manual							Good
2		Fluke 87 Multimeter		64510701	Sailor	1996	F-TA-193: PH3		Good
3		Fluke 87 Multimeter		64510702	Sailor	1996	F-TA-193: PH3		Good

INVENTORY

Site Name: Ternate

TNT-192- (6 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
4		Fluke 87 Multimeter Test Lead Set (3x1) Hoester House Yellow (3x1) User Manual (3x2)	-	64510703	Sailor	1996	F-TA-193: PH3		Good
5		Insulation Tester Line Plobe (1) Earth Plobe (1) Carrying Case (1) Instruction Manual (1)	2406A	65WA1527	Sailor	1996	F-TA-193: PH3		Good
6		RF Coaxial Load Resistor	8201	17078	Sailor	1996	F-TA-193: PH3		Good
7		RF Coaxial Load Resistor Connection Cable (2x1)	8201	17081	Sailor	1996	F-TA-193: PH3		Good
5		Others							
1		Fan							Good
2		Clock							Good
3		Services Engineers Kit	RS 541-365	1	Sailor	1996	F-TA-193: PH3		Good
4		Telephone set with call timer (2)	-	2	Sailor	1996	F-TA-193: PH3		Good
5		Headset (2)	DM 811	2	Sailor	1996	F-TA-193: PH3		Good
6		Hand set (6)	-	6	Sailor	1996	F-TA-193: PH3		Good
7		Desk Microphone (2)	DM 6500	2	Sailor	1996	F-TA-193: PH3		Good
8		Morse Key			Sailor	1996	F-TA-193: PH3		Good
9		Quartz Clock	-	1	Sailor	1996	F-TA-193: PH3		Good
10		Mouse	-	1	Sailor	1996	F-TA-193: PH3		Good
11		Chair	-	1	Sailor	1996	F-TA-193: PH3		Good

STATUS OF TROUBLES

SITE NAME : TERNATE

TNT-192-(1/1)

Item / Equipment	Transmitter / T 2131		
Manufacturer	Sailor		
Manufacturer in year	1996		
Defective panel / unit	Power Amplifier		
Details of Trouble Status	Cause due to:	Urgency of Repair	
	<input type="checkbox"/> Aging		
	<input checked="" type="checkbox"/> Lightning		
	<input type="checkbox"/> Corrosion		
	<input checked="" type="checkbox"/> Lack of Spares		
<input type="checkbox"/> Others	Repairing to be:		
			<input checked="" type="checkbox"/> Immediacy
			<input type="checkbox"/> By next year budget
			<input type="checkbox"/> By next project
			<input type="checkbox"/> Unnecessary
General Comment for Maintenance:			

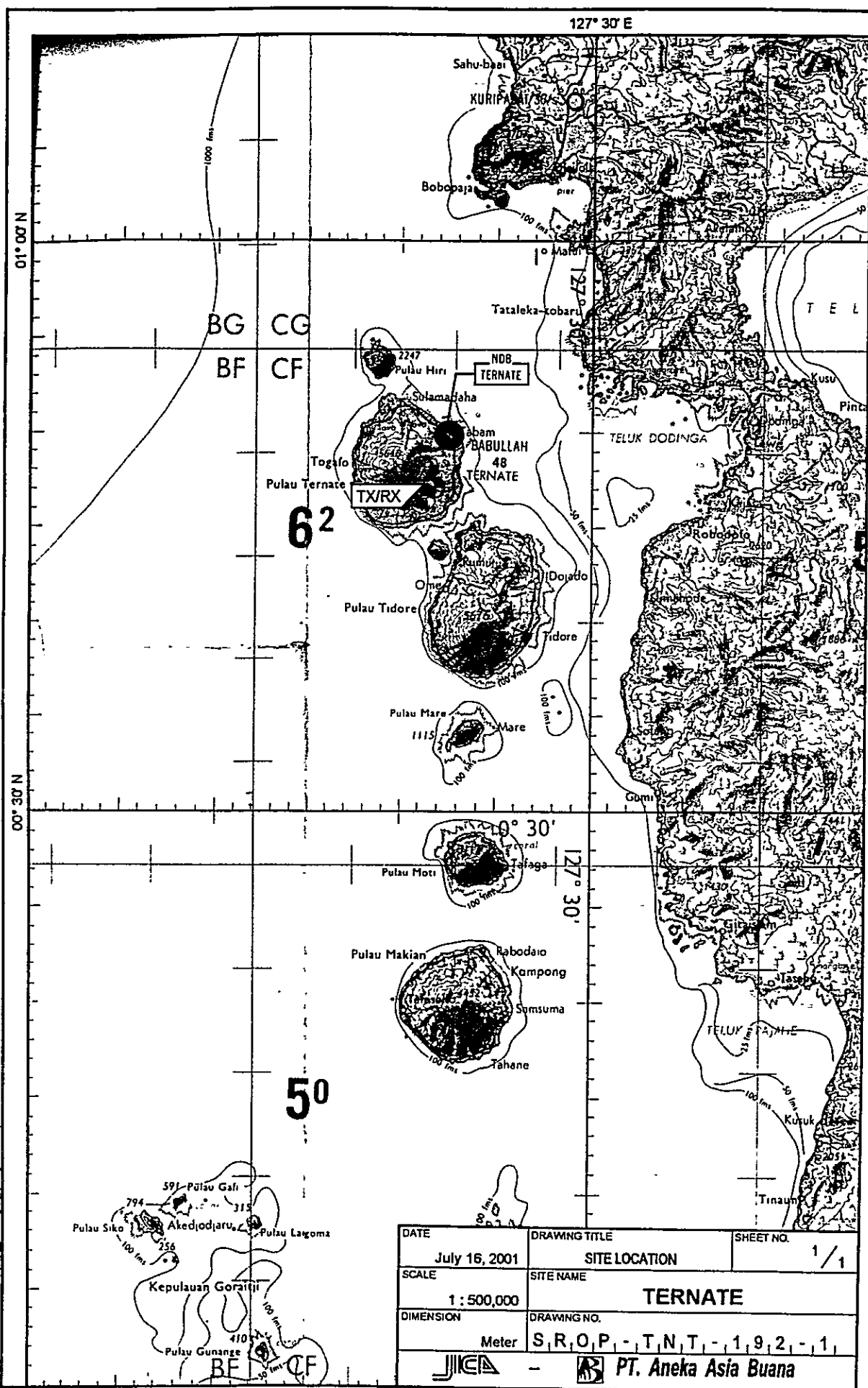
OPERATION SCHEDULE (FREQUENCIES)

Site Name: Ternate

TNT-192-(1/1)

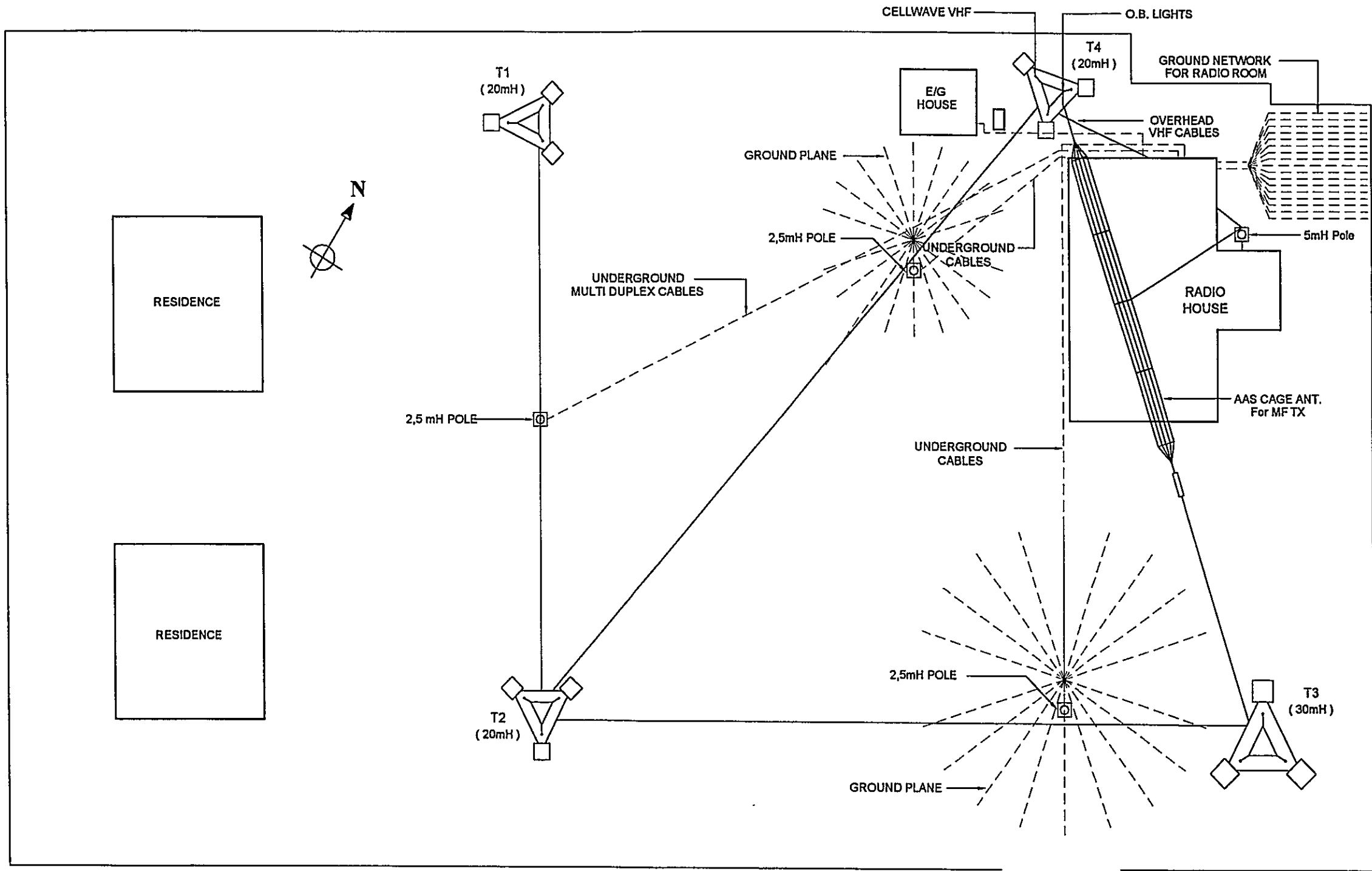
Call Sign : Mobile Service : PKE.5
Fix Service :

FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK	
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Mobile Service																												
1	J3E	500																										
2	J3E	500																										
3	J3E	500																										
4	J3E	500																										
5	A1A	1000																										
6	J3E	500																										
7	F1B	500																										
8	J3E	500																										
9	J3E	500																										
10	J3E	500																										
VHF Service																												
11	G3E	50																										
12	G3E	50																										
13	G3E	50																										
14	G3E	50																										
Fix Service																												
15	J3E	600																										
16	J3E	600																										
17	J3E	600																										
18	J3E	600																										
19																												
20																												
21																												
22																												
23																												



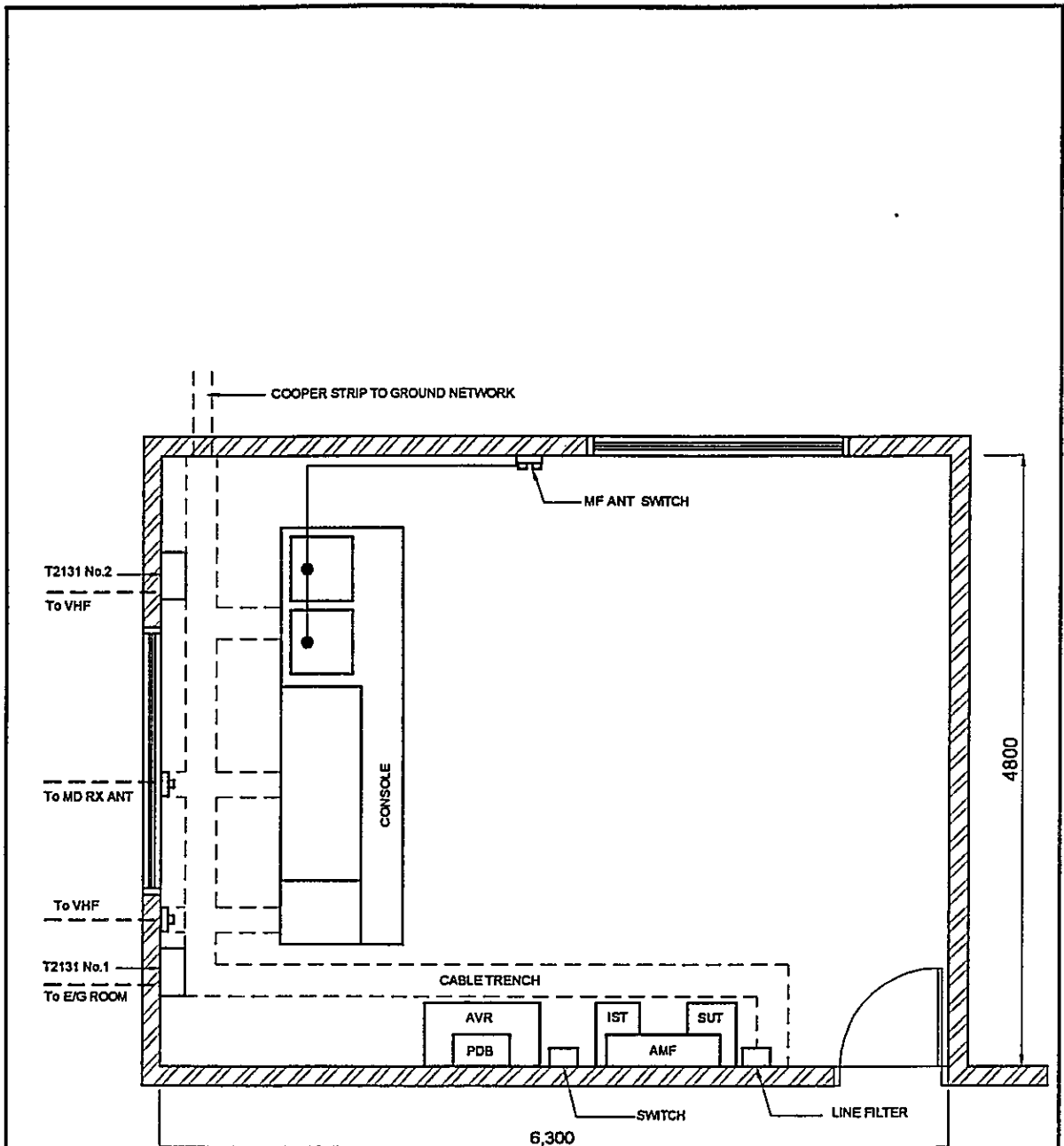
DRAWN BY: *[Signature]*
 APPROVED BY: JICA
[Signature]

DATE	DRAWING TITLE	SHEET NO.
July 16, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	TERNATE	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - T, N, T, - 1, 9, 2, - 1, 1	



DRAWN BY AAS:
 APPROVED BY JICA:

DATE	DRAWING TITLE	SHEET NO
July 13, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1:50	TERNATE	
DIMENSION	DRAWING NO.	
Millimeter	S,R,O,P,-,T,N,T,-,1,9,2,-,2,	
-		

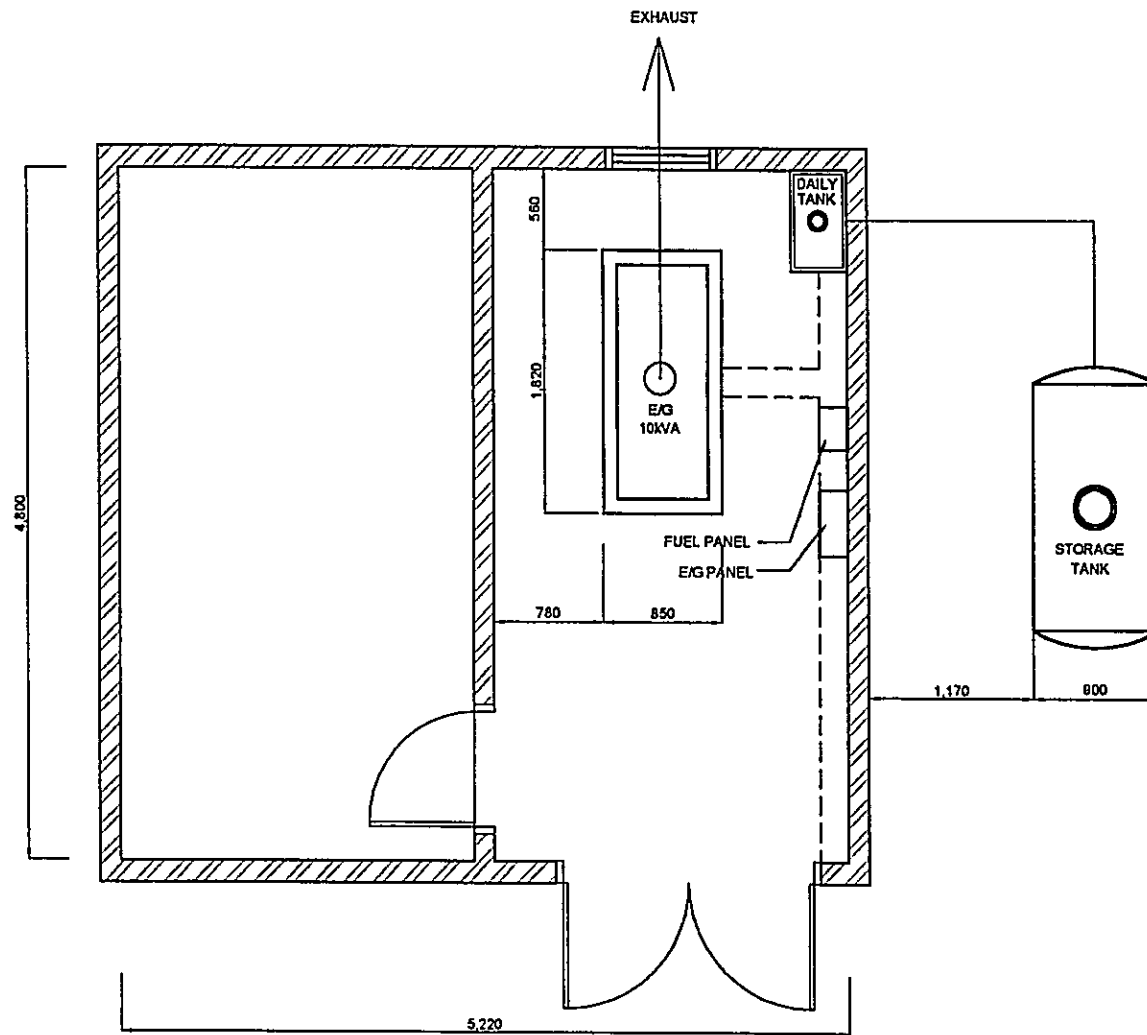
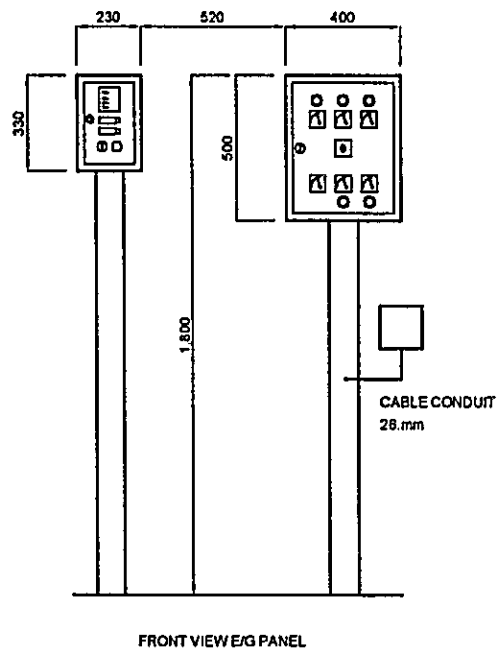


APPROVED BY AICA
 DRAWN BY AAB

LEGEND

- AVR AUTOMATIC VOLTAGE REGULATOR
- IST ISOLATION TRANSFORMER
- PDB POWER DISTRIBUTION BOARD
- SUT STEP - UP TRANSFORMER

DATE July 13, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME TERNATE	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - , T, N, T, - , 1, 9, 2, - , 3,	
- PT. Aneka Asia Buana		

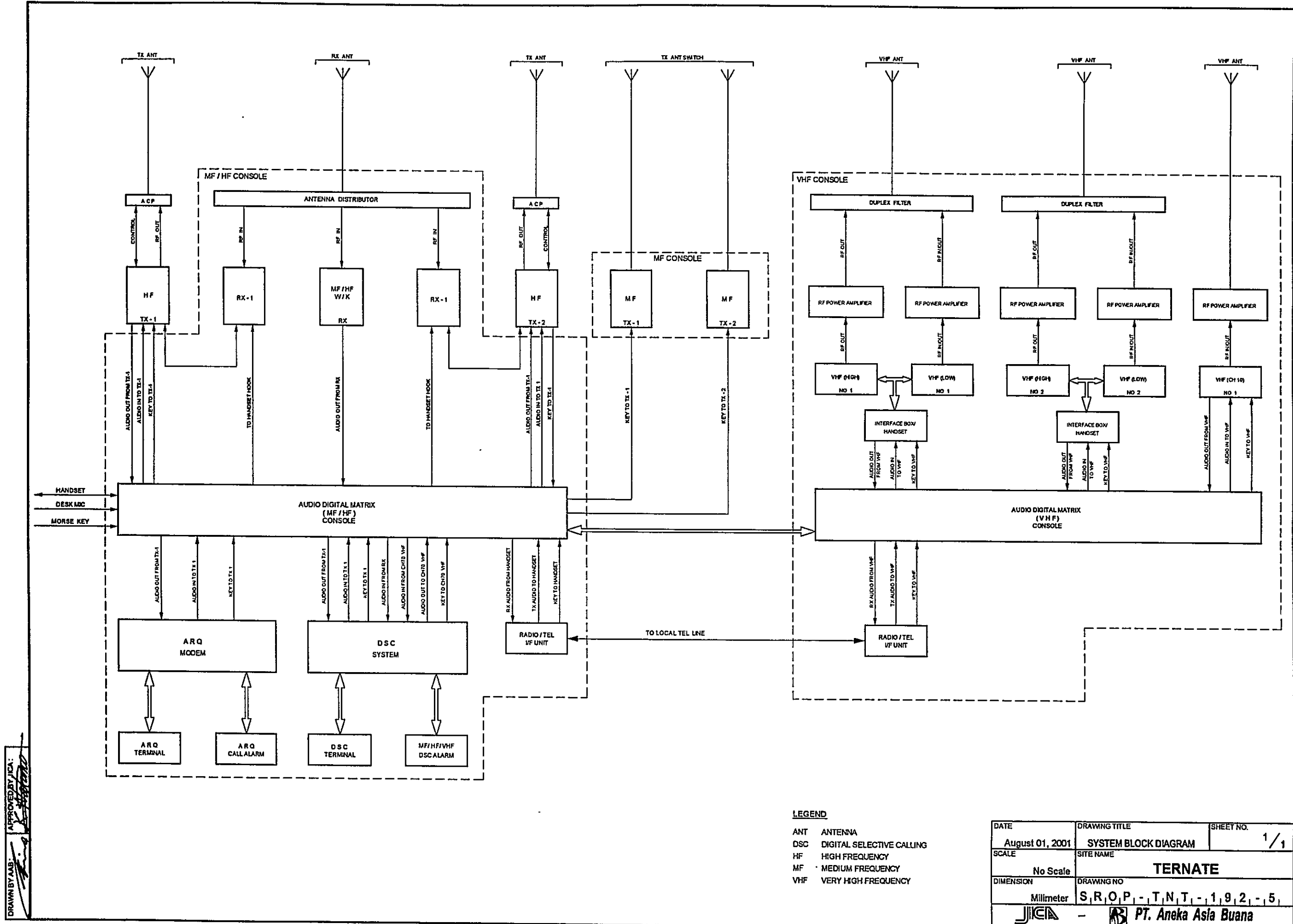


LEGEND

E/G ENGINE GENERATOR
 KVA KILO VOLT AMPERE

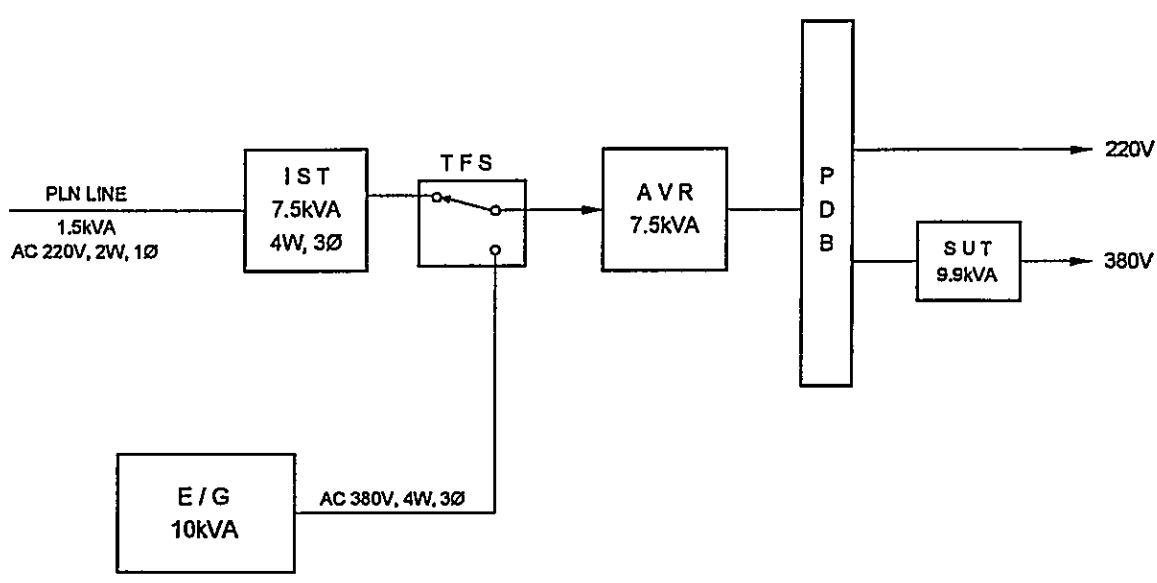
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SCALE 1:50 / 1:25	SITE NAME TERNATE	
DIMENSION Millimeter	DRAWING NO. S, R, O, P, -, T, N, T, -, 1, 9, 2, -, 4, 1	
-		

DRAWN BY: ABS
 APPROVED BY: JICA



DRAWN BY AAB: [Signature]
 APPROVED BY JICA: [Signature]

DATE	DRAWING TITLE	SHEET NO.
August 01, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	TERNATE	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - T, N, T, - 1, 9, 2, - 5,	



LEGEND

- AC ALTERNATING CURRENT
- AVR AUTOMATIC VOLTAGE REGULATOR
- E/G ENGINE GENERATOR
- HF HIGH FREQUENCY
- IST ISOLATION TRANSFORMER
- kVA KILO VOLT AMPERE
- SUT STEP UP TRANSFORMER
- TFS TRANSFER SWITCH
- TRX TRANSCEIVER (ING)
- V VOLT
- W WIRE
- Ø PHASE

DRAWN BY AAB
 APPROVED BY JCA

DATE August 02, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME TERNATE	
DIMENSION Milimeter	DRAWING NO. S,R,O,P,-T,N,T,-1,9,2,-6,	
- PT. Aneka Asia Buana		

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

4th-A Class Coast Station Tobelo (Coast Station No. 193)

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	TOBELO		
	CLASS	Tele	NO.	193

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Gosoma, Tobelo	21287		128° 00' 31" E	01° 43' 30" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Ambon [Taking time: 5:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Air	to Belo [Taking time: 1:00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Location [Taking time: 0:30 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> 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
<input type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No	
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> Antenna	
<input checked="" type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/> Towers (Masts)	
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Grounding system	
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input type="checkbox"/> Lightning system	
Altitude	1.00 M		Telephone Lines	<input type="checkbox"/> Feeder Cable Way	
Land area	270.00 m ²		<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/> City water	

3.2 Building Conditions			3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	0.9	<input type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Painting	Fluctuations	220 V ± 10 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m²)		Power interruption /month	Times	E/G Stand-by System	
Operation room	10.00	Total interpt. hours /month	Hours	<input checked="" type="checkbox"/> Single System	
E / G room	6.00	Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System	
Remark					

4. OPERATION AND MAINTENANCE					5. PERSONNEL FORMATIONS				
Actions taken in equipment failure									
Restoration flow	Send to Ambon to be repaired				Chief	TX/RX			
Examples of major failure	Damaged by lightening				Operator (skilled)	0	0		
Sufficiency of spares					Technician (skilled)	0	0		
Records of damages			Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall			Good	Bad					
<input type="checkbox"/> Storm			<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises		Total		
<input type="checkbox"/> Lightning			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution		1		
<input type="checkbox"/> Other calamity									
Institutional and Human Statuses					Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient		Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough						
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough						
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough						
5 Number of Technician	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough						
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						

SUMMARY OF COAST STATION	SITE	TOBELO		
	CLASS	Tele	NO.	193

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

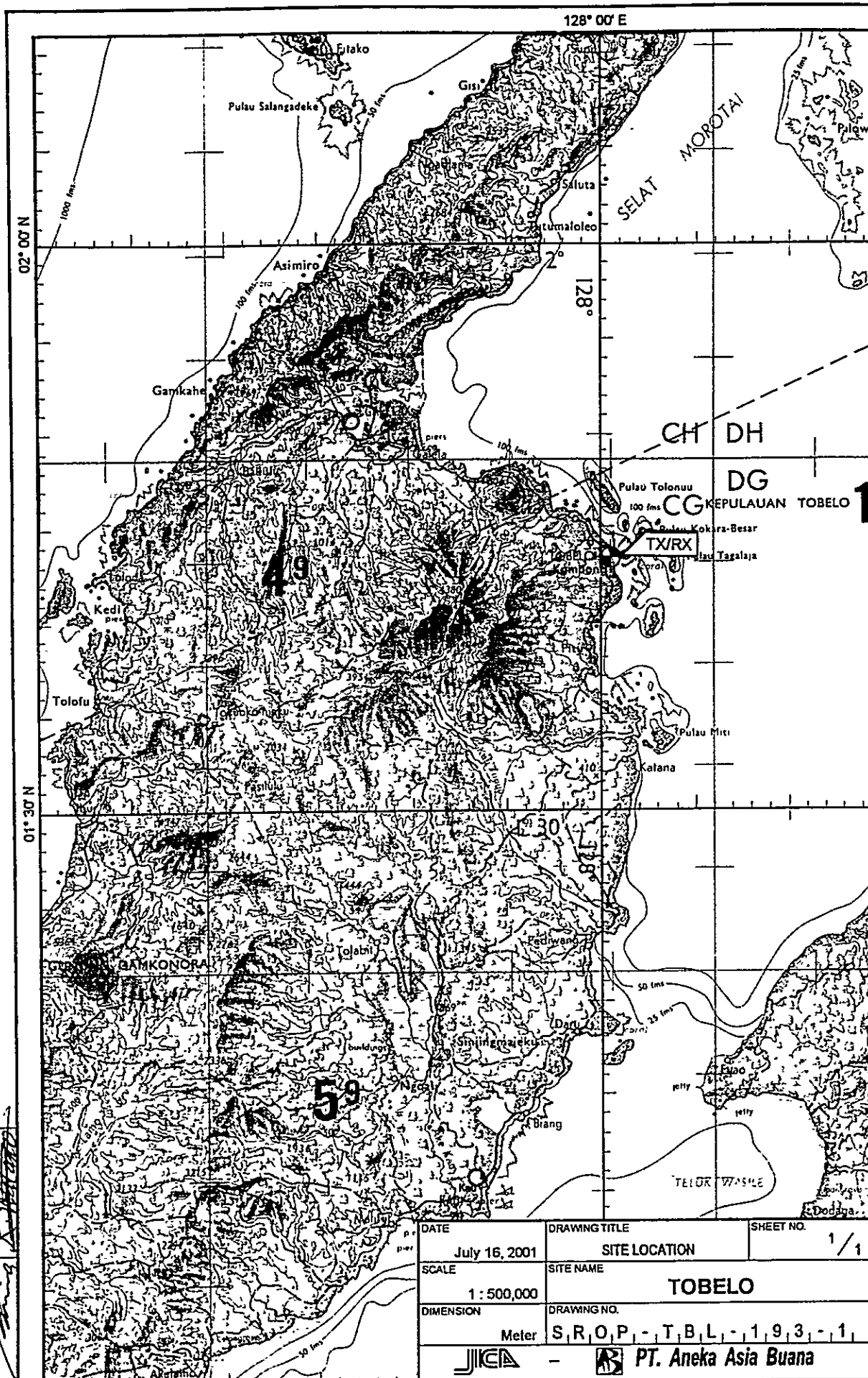
Suggestion	Maritime Telecommunications is very important in Maluku because: Maluku contents of Island wich separated by Ocean and 90% Maluku area is ocean Transportation between Island by using ship, and Maritime Telecommunication used as ship navigation monitoring
Remarks	SSB Transceiver, Receiver and Power Supply has been lost

INVENTORY

Site Name: Tobelo

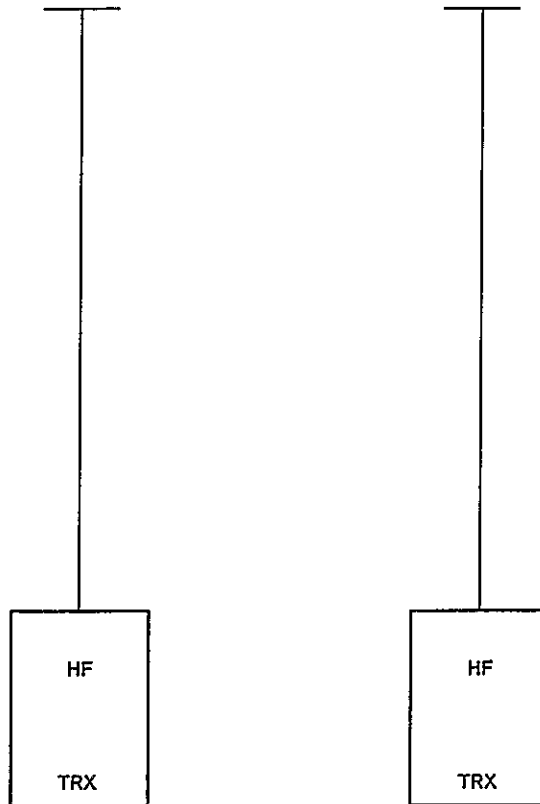
TBL-193- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System	NS-11A		Furuno	1995			Damaged
1		SSB Transceiver	IC-M-715		ICOM				Lost
2		SSB Transceiver		7700	Yaesu				Lost
3		Receiver							
2		Power Supply Equipment							
2-1		Power Adaptor & UPS							Lost
1		Power Supply Unit			DELTA				Lost
2		Battery Charger							Lost
3		Battery							Lost
2-2		Engine Generator							
1		3kVA (5HP) Engine Generator			YANMAR				Damaged



DRAWN BY: *[Signature]*
 APPROVED BY: JICA *[Signature]*

DATE	DRAWING TITLE	SHEET NO.
July 16, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	TOBELO	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - , T, B, L, - , 1, 9, 3, - , 1	
- PT. Aneka Asia Buana		





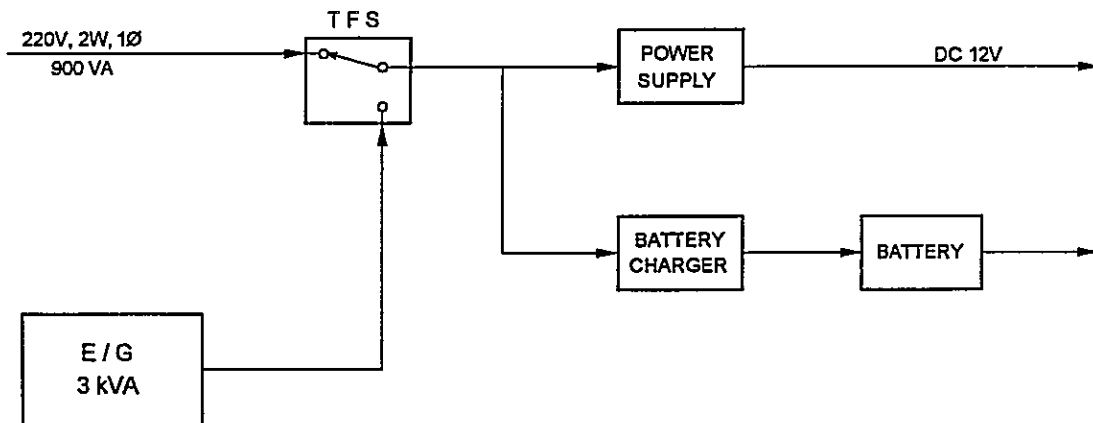
LEGEND

HF : HIGH FREQUENCY
 TRX : TRANSCEIVER (ING)

APPROVED BY JIRA

 DRAWN BY AAR




DATE	DRAWING TITLE	SHEET NO
Sept 27, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	TOBELO	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - T, B, L, - 1, 9, 3, - 5,	
 -  PT. Aneka Asia Buana		



LEGEND

- DC : DIRECT CURRENT
- E/G : ENGINE GENERATOR
- TFS : TRANSFER SWITCH
- V : VOLT
- W : WIRE / WATT
- Ø : PHASE

DRAWN BY AAB
 APPROVED BY JICA


DATE Sept 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO. 1/1
SCALE No Scale	SITE NAME TOBELO	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, T, B, L, -, 1, 9, 3, -, 6	
 -  PT. Aneka Asia Buana		

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

**4th-A Class Coast Station
Tual
(Coast Station No. 194)**

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	TUAL		
	CLASS	4th-A	NO.	194

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Yos Sudarso	21205		132° 44' 27" E	05° 38' 00" S

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Ambon [Taking time 5.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	100.00
By Air to Tual [Taking time: 2.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car to Tual [Taking time 0.15 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> 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
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> Antenna
<input checked="" type="checkbox"/> Hill-top	<input checked="" type="checkbox"/> Swampy	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input type="checkbox"/> Lightning system
Altitude	M	Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	500.00 m ²	<input checked="" type="checkbox"/> 1 Lines	<input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	110 V	Good Bad
Structure	Concrete	Phase	1	1	<input checked="" type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	2	<input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	2.2	3	<input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Painting	Fluctuations	220 V ± 10 %		Day tank 40 Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month		E/G Stand-by System	
Operation room	24.00	Total interpt. hours /month	15 Times	15 Hours	<input checked="" type="checkbox"/> Single System
E / G room	20.00	Max. interpt hours at once	2 Hours	2 Hours	<input type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE **5. PERSONNEL FORMATIONS**

Actions taken in equipment failure				TX/RX				
Restoration flow				Chief				
Send to Ambon to be repaired				1				
Examples of major failure				Operator (skilled)				
Transceiver (Amplifier) Transistor Final				1 () ()				
Sufficiency of spares				Technician (skilled)				
() ()				() ()				
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad	Total				
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	2				
<input checked="" type="checkbox"/> Lightning	Eqpt damage by lightning	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
3 Measuring eqpt /tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	TUAL		
	CLASS	4th-A	NO.	194

7 Capability of Technician Skilled Not so bad Not capable

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

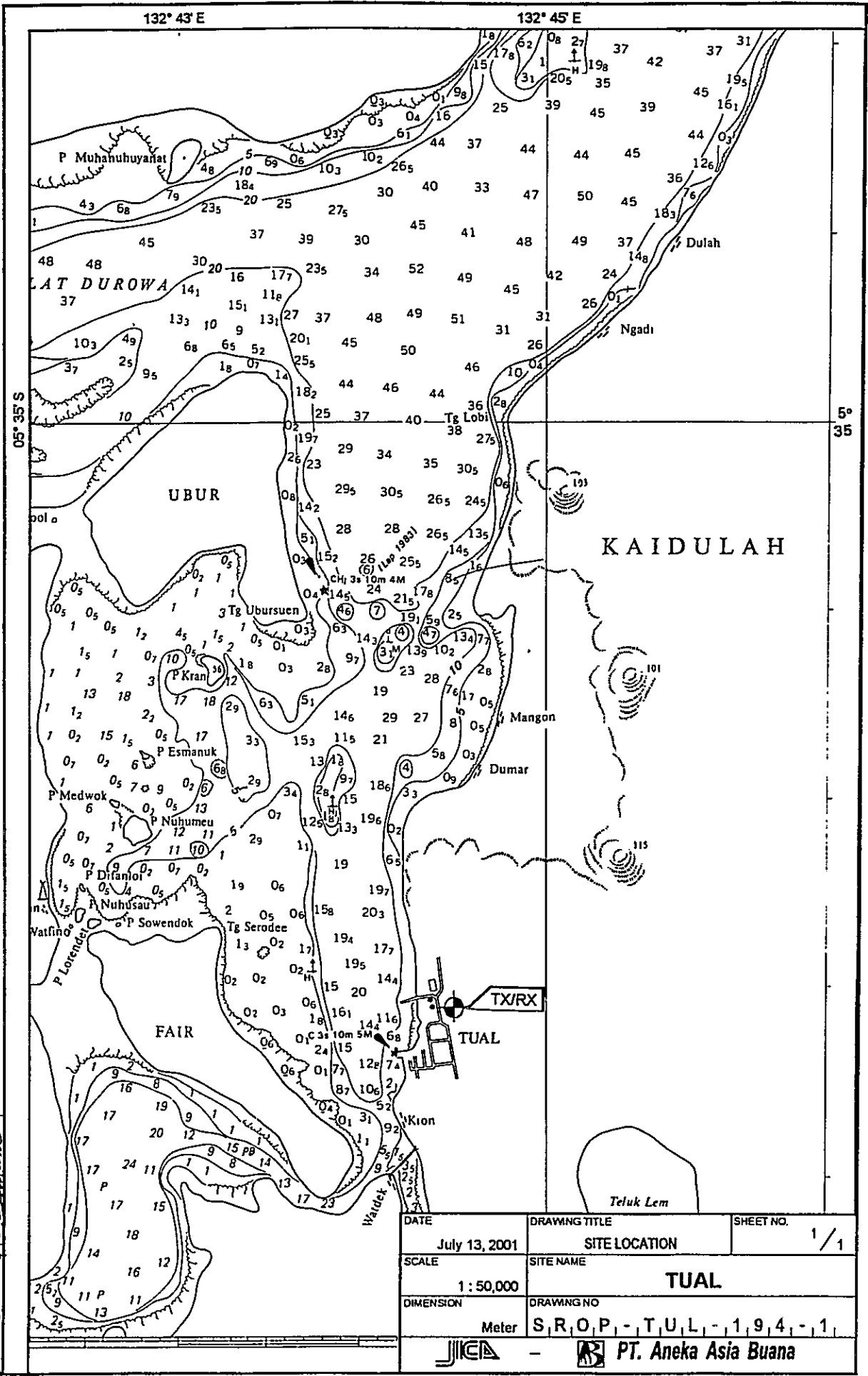
Suggestion	Maritime Telecommunication is very important in the East of Indonesia, Tual is port of call passenger ship PT. Pelni and opened for export That is the reason Tual is necessary to be completed by sufficient telecommunication facility, especially Telephone Call Request to up-grade Tual Coast Station's Class and additional of frequency work schedule - operator and technician
Remarks	

INVENTORY

Site Name: Tual

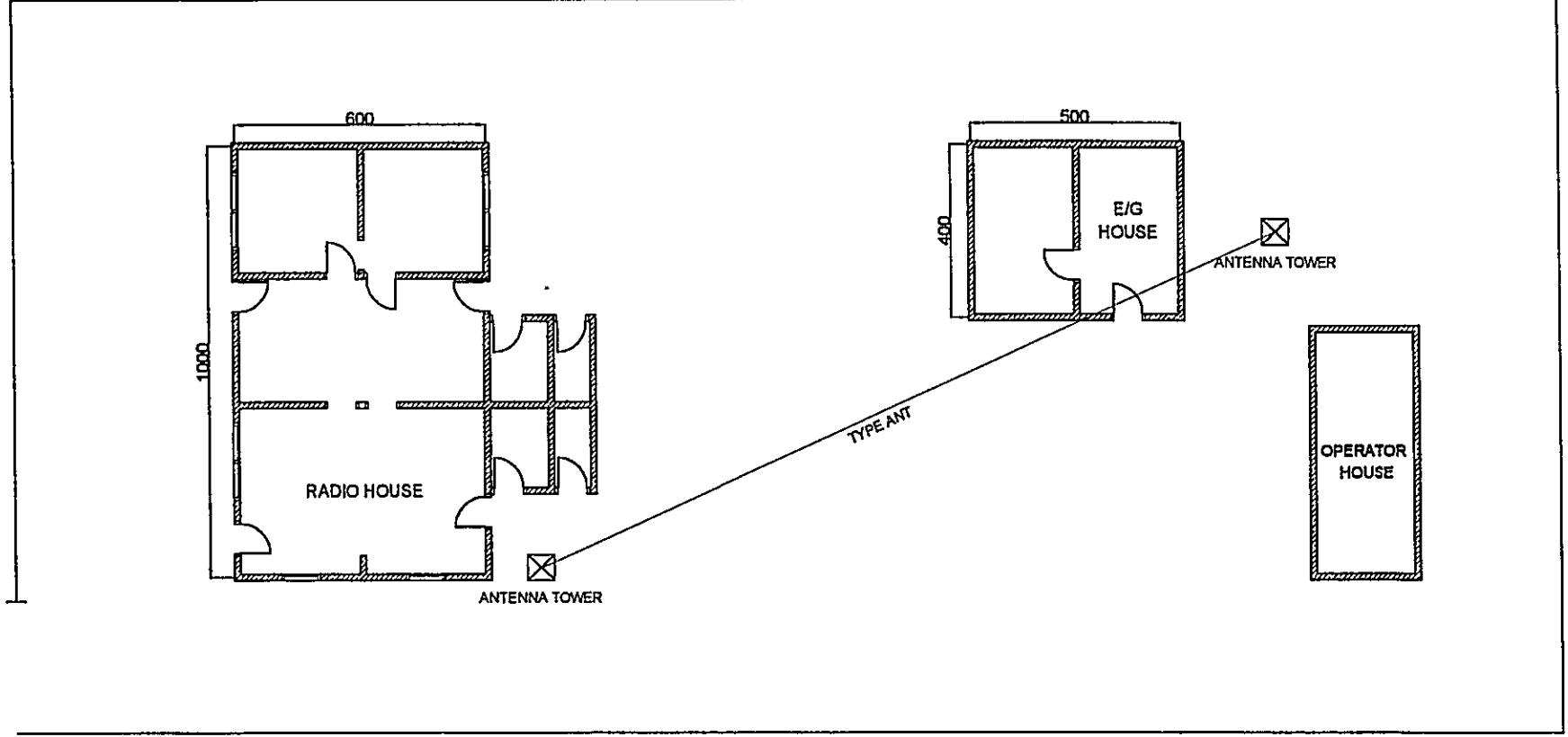
TUL-194- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System	NS-11	51552241	Furuno	1979			Damaged
2		HF Transceiver	FS-1002	52592-078	Furuno	1985			Damaged
3		HF Transceiver	JSB-161	BS-24888	JRC	1989			Good
1-2		VHF System							
1		VHF Transceiver	JHV-227YA	BH-16886	JRC	1989			Good
2		Tower & Antenna System							
2-1		Antenna Switch							
1		Antenna Duplexer	NFJ-24YN	9-1242	JRC	1989			Good
2		Antenna Coupler	NFG-160		JRC	1989			Good
3		Power Supply Equipment							
3-1		UPS & AVR System							
1		Power Supply	NBD-510	BS-24892	JRC	1989			Good
2		Accumulator 2x12/100AH			Hitachi				Good
3		Accumulator 1x12/100AH			N'Denso				Damaged
4		Accu Charger in 110V out/2x24V			Silicon				Damaged
3-2		Engine Generator							
1		Generator	T.284	0-74003	Holland	1974			Damaged
4		Measuring Equipment							
1		Multi Tester	SP-20D		Heles	1989			Damaged
5		Others							
1		Solderbout			China	1990			Damaged



APPROVED BY JICA
 DRAWN BY AAB

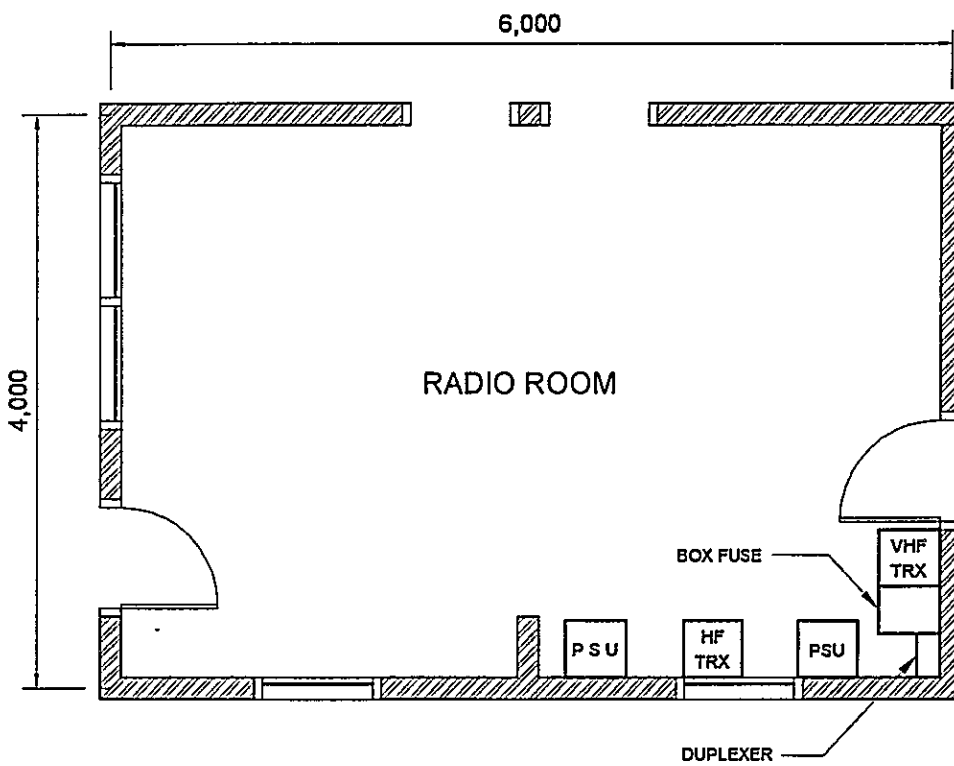
DATE	DRAWING TITLE	SHEET NO.
July 13, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	TUAL	
DIMENSION	DRAWING NO	
Meter	S.R.O.P. - T.U.L. - 1.94 - 1	
-		



JLN. YOS SUDARSO

DRAWN BY: *[Signature]*
 APPROVED BY JICA: *[Signature]*

DATE	DRAWING TITLE	SHEET NO.
Sept 27, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1 : 150	TUAL	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - , T, U, L, - , 1, 9, 4, - , 2,	
JICA	- PT. Aneka Asia Buana	

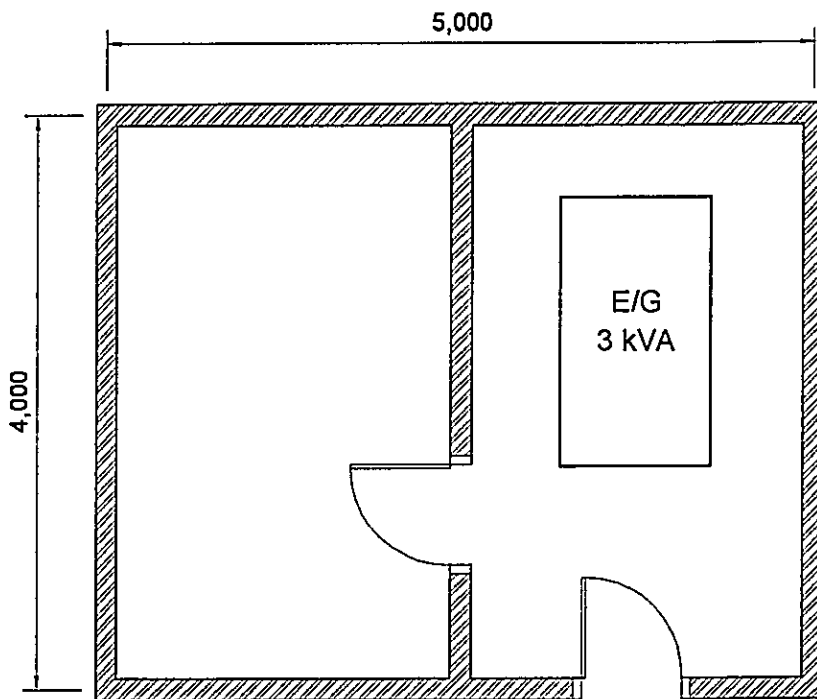


LEGEND

- HF : HIGH FREQUENCY
- TRX : TRANSCEIVER
- VHF : VERY HIGH FREQUENCY

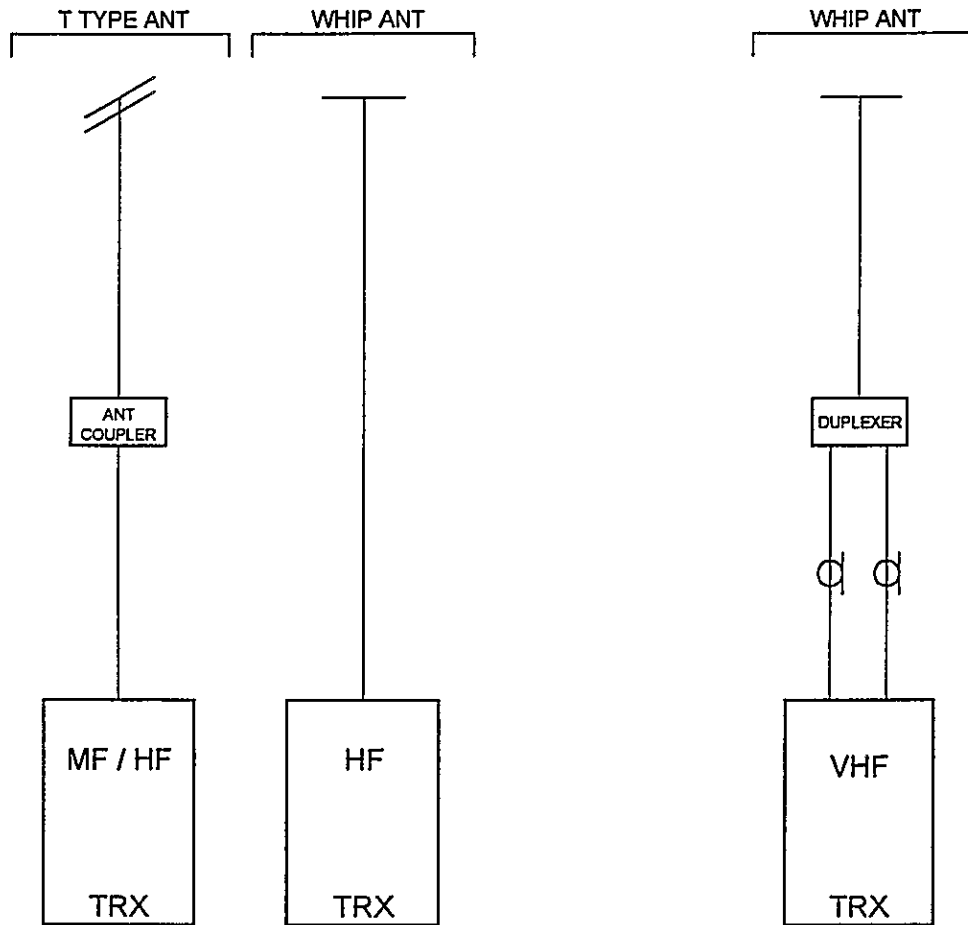
DRAWN BY AAR
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
Sept 06, 2001	EQUIPMENT FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	TUAL	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - T, U, L, - 1, 9, 4, - 3,	
- PT. Aneka Asia Buana		



DRAWN BY AAB
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
Sept 06, 2001	E/G FLOOR LAYOUT	1/1
SCALE	SITE NAME	
1 : 50	TUAL	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - T, U, L, - 1, 9, 4, - 4	
		PT. Aneka Asia Buana



DRAWN BY AAB

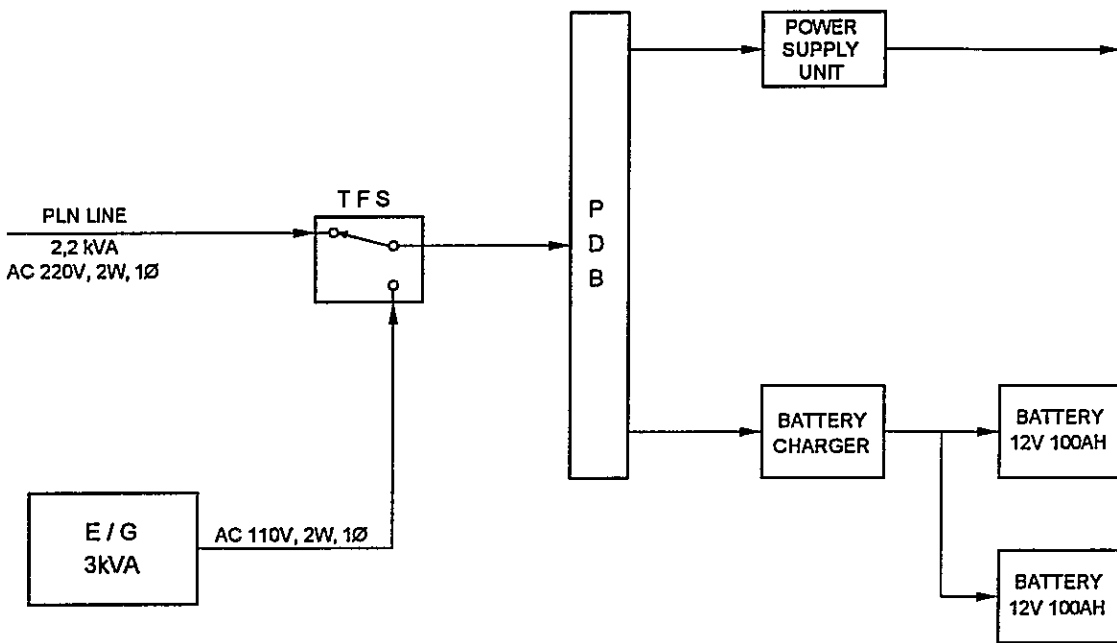
APPROVED BY JICA:

[Signature]

LEGEND

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCEIVER
- VHF : VERY HIGH FREQUENCY

DATE Sept 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME TUAL	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, T, U, L, -, 1, 9, 4, -, 5,	
- PT. Aneka Asia Buana		



LEGEND

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCEIVER
- VHF : VERY HIGH FREQUENCY

DRAWN BY AAB

APPROVED BY JICA:

[Signature]

DATE	DRAWING TITLE	SHEET NO
Sept 30, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	TUAL	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - T, U, L, - 1, 9, 4, - 6,	
- PT. Aneka Asia Buana		

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

4th-A Class Coast Station Banda (Coast Station No. 195)

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	BANDA	
				CLASS	4th-A	NO. 195

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pendidikan			129° 53' 45" E	04° 31' 45" S

2. GENERAL CONDITIONS						
Moving from Jakarta		Site Access from Port		Road Traffic	Accommodation	Population
By Air	to Ambon [Taking time: 5:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel		
By Ship	to Banda [Taking time: 7:00 hr.]	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel		
By Car	to Location [Taking time: 0:30 hr.]	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light			
			<input type="checkbox"/> 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
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input checked="" type="checkbox"/> Sandy			<input checked="" type="checkbox"/> Lightning system
Altitude	300.00 M		Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	966.00 m ²		<input type="checkbox"/> Lines	<input type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	1.3	<input type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m²)		Power interruption /month		E/G Stand-by System	
Operation room	25.00	Total interpt. hours /month		Hours	<input type="checkbox"/> Single System
E / G room	25.00	Max. interpt. hours at once		Hours	<input type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
Restoration flow	Send to Ambon to be repaired			Chief	1			
Examples of major failure	Damaged by lightning			Operator (skilled)	()		()	
Sufficiency of spares				Technician (skilled)	()		()	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises		Total 1		
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	BANDA		
	CLASS	4th-A	NO.	195

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 Telecommunication is needed in Maluku because: Maluku contents of Islands which separated by ocean, 90% Maluku area is ocean Transportation between island by using Ships, Maritime Telecommunication used as ship navigation monitoring
Remarks	

..

INVENTORY

Site Name: Banda

BND-195- (1 / 1)

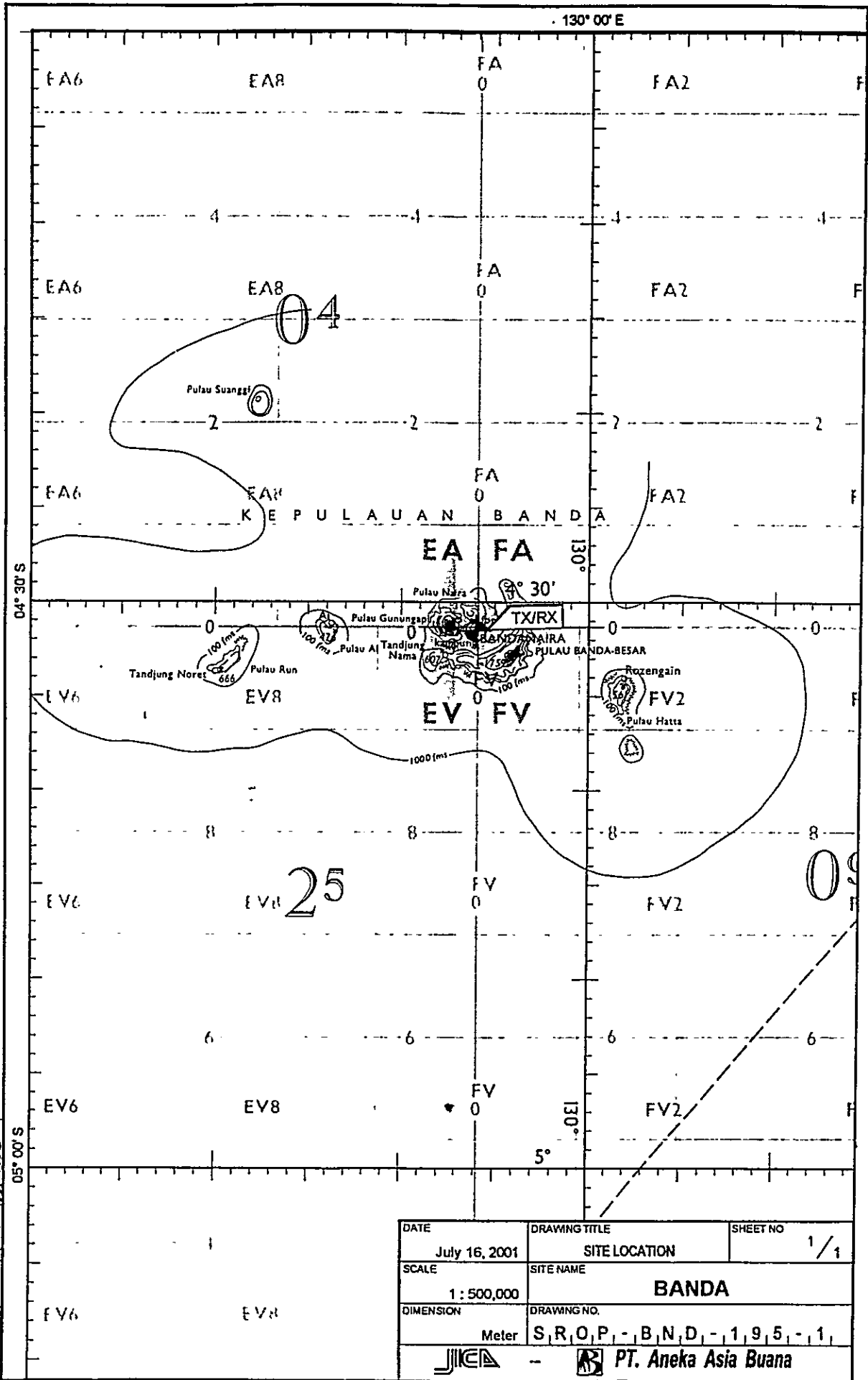
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transmitter	FS-1002	5592	Furuno	1985			Damaged
2		SSB Transmitter	IC-M700	49867	ICOM	1996			Good
1-2		VHF System							
1		VHF Transceiver	FM-400H	247637	Furuno	1993			Good
2		Tower & Antenna System							
2-1		Antenna System							
1		MF/HF Antenna (2)	3W-T Type						Good
2-2		Antenna Switch							
1		Antenna Coupler							Good
3		Power Supply Equipment							
3-1		UPS & AVR System							
1		DC Power Supply	CA-1010S		Carlton	1993			Good
2		Solar Cell	PQ10/40/02	00134249	AEG	1986			Good
3		Solar Cell	PQ10/40/02	00134852	AEG	1986			Good
4		Solar Cell	PQ10/40/02	00134863	AEG	1986			Good
5		Solar Cell	PQ10/40/02	0017888	AEG	1986			Good
6		Solar Cell	PQ10/40/02	00199724	AEG	1986			Good
7		Solar Cell	PQ10/40/02	00199702	AEG	1986			Good
8		Accumulator 2x12/100V	PQ10/41/02		Yuasa				Good
4		Measuring Equipment							
1		Multi Tester	SP-15D		Sanwa				Damaged

STATUS OF TROUBLES

SITE NAME : BANDA

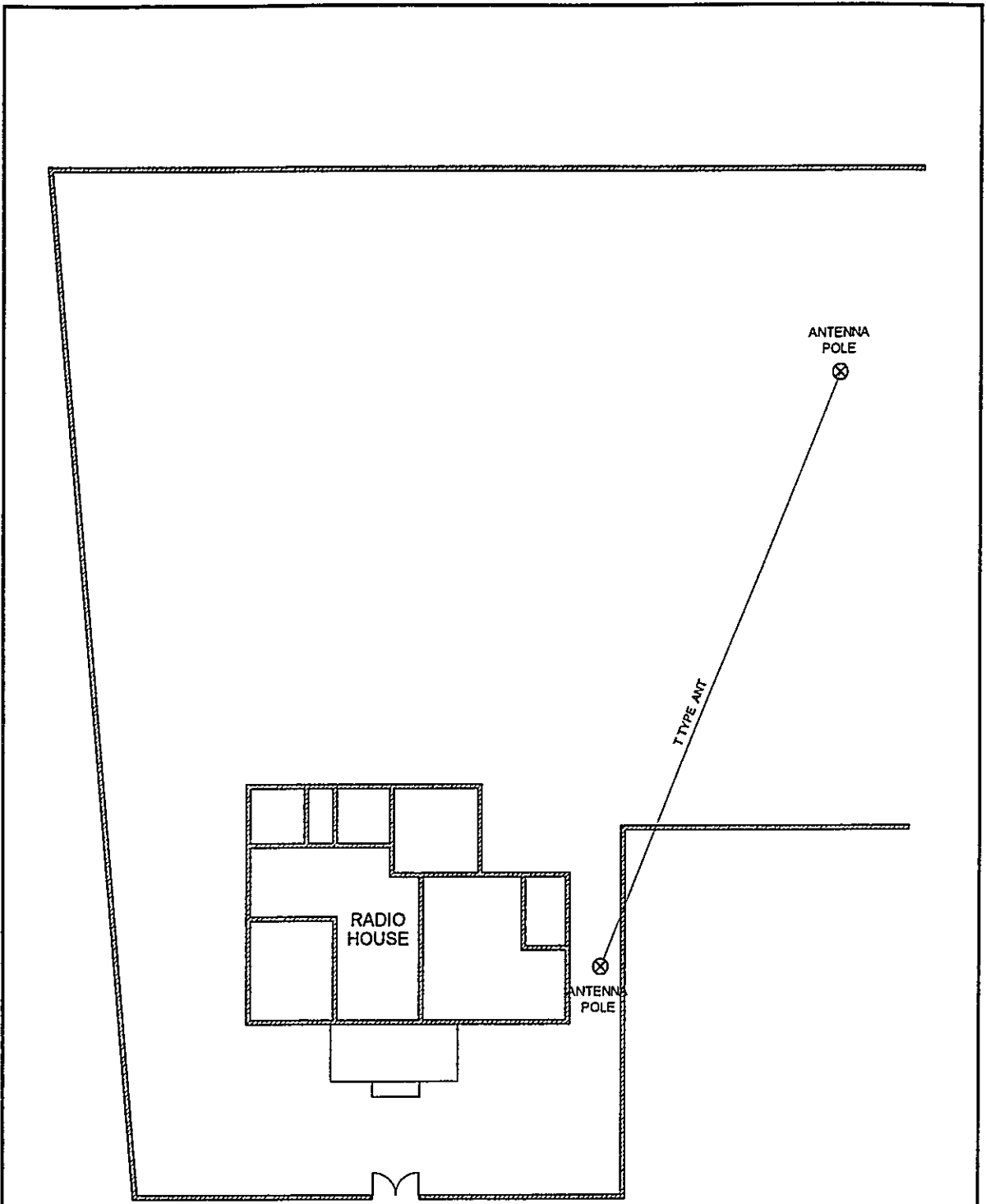
BND-195-(1/1)

Item / Equipment	DC Power Supply / -		
Manufacturer	Carlton		
Manufacturer in year	1993		
Defective panel / unit	Stabilizer		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input checked="" type="checkbox"/> Aging		
	<input type="checkbox"/> Lightning		
	<input type="checkbox"/> Corrosion		
	<input checked="" type="checkbox"/> Lack of Spares		
<input type="checkbox"/> Others	Repairing to be:	<input checked="" type="checkbox"/> Immediacy	<input type="checkbox"/> By next year budget
		<input type="checkbox"/> By next project	<input type="checkbox"/> Unnecessary
<u>General Comment for Maintenance:</u>			



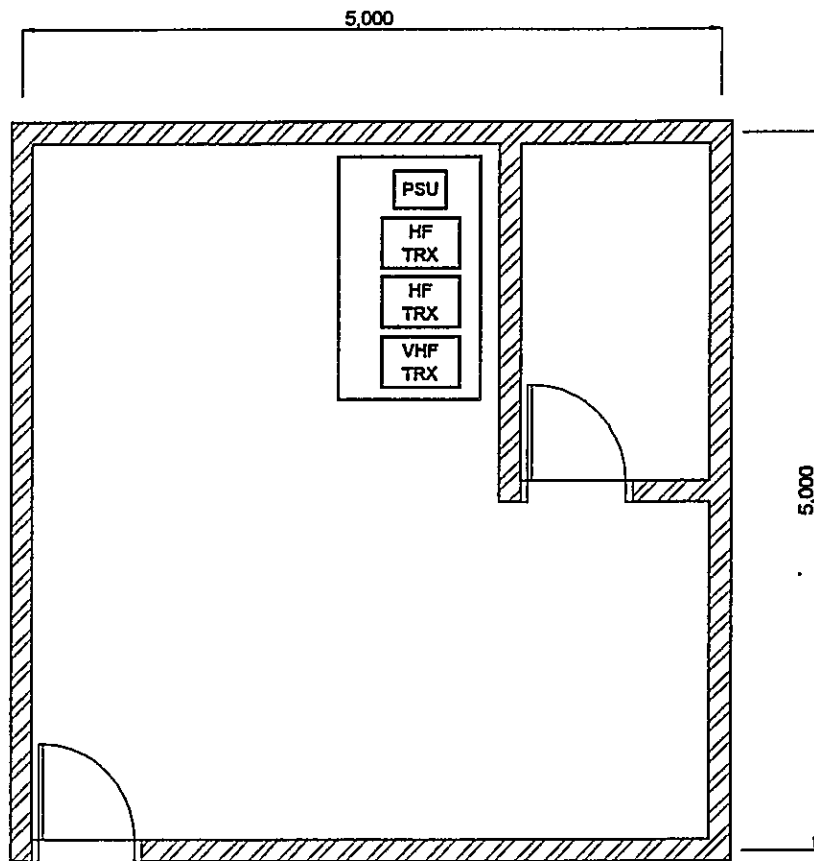
DRAWN BY AAB
 APPROVED BY JICA
 [Signature]

DATE July 16, 2001	DRAWING TITLE SITE LOCATION	SHEET NO 1/1
SCALE 1 : 500,000	SITE NAME BANDA	
DIMENSION Meter	DRAWING NO. S, R, O, P, - B, N, D, - 1, 9, 5, - 1	



DRAWN BY: *[Signature]*
 APPROVED BY JICA: *[Signature]*



DATE	DRAWING TITLE	SHEET NO
July 13, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 200	BANDA	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P - B, N, D - 1, 9, 2 - 1, 2	
- PT. Aneka Asia Buana		

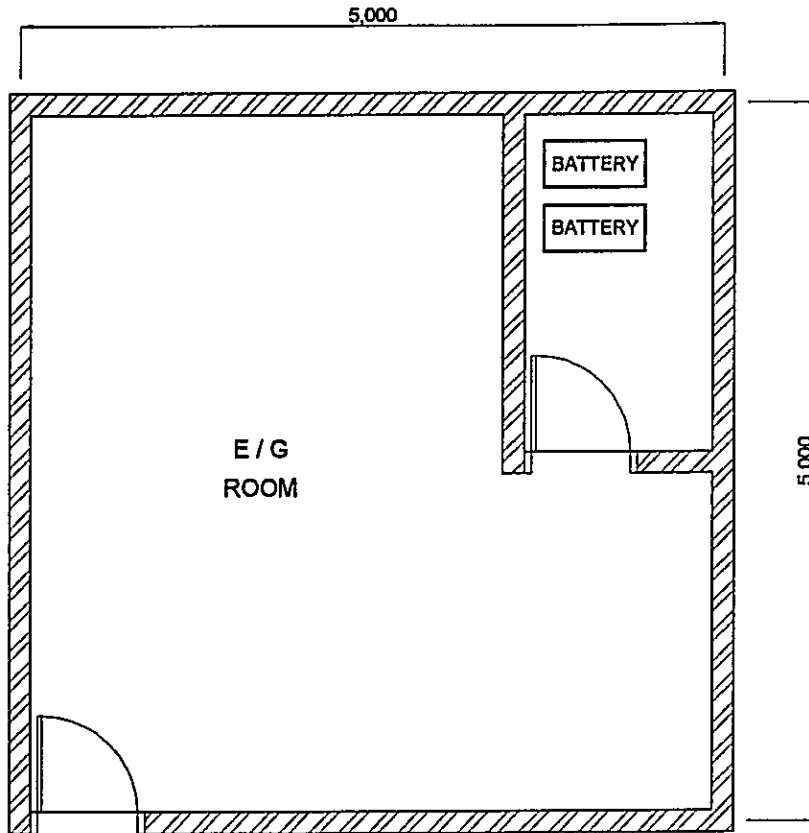



LEGEND



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

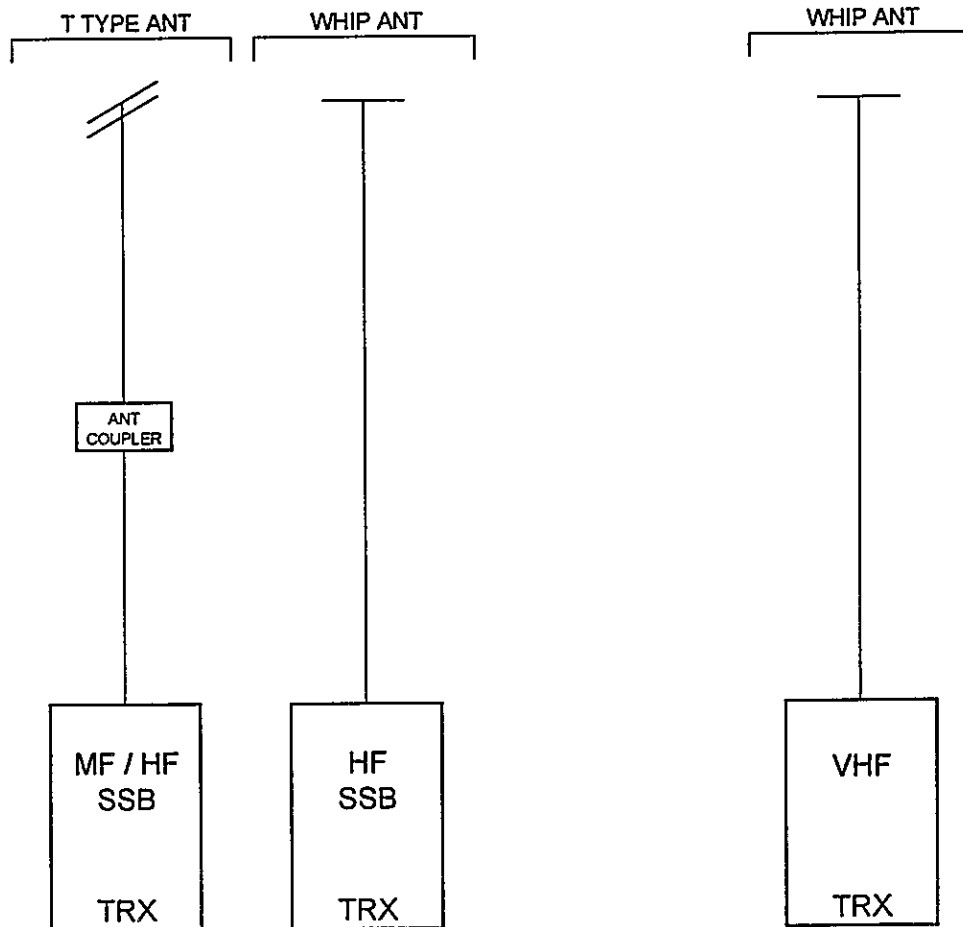
DRAWN BY AAB
 APPROVED BY JICA
[Signature]



DATE July 13, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 50	SITE NAME BANDA	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, B, N, D, -, 1, 9, 5, -, 3, 1	
 -  PT. Aneka Asia Buana		



DRAWN BY AAB: 
 APPROVED BY JICA: 



DATE	DRAWING TITLE	SHEET NO.
July 13, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	BANDA	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - B, N, D, - 1, 9, 5, - 4, 1	
 -  PT. Aneka Asia Buana		

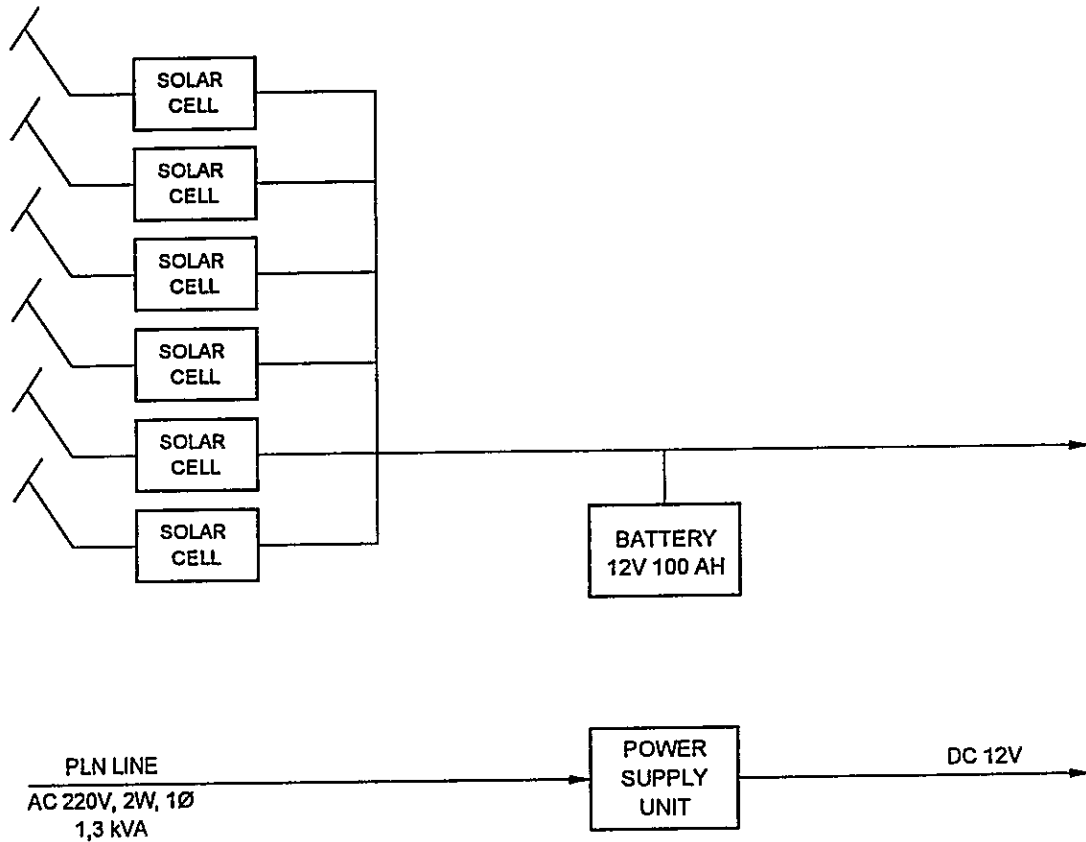


DRAWN BY AAB
 APPROVED BY JICA



LEGEND

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCIEVER
- VHF : VERY HIGH FREQUENCY



DATE	DRAWING TITLE	SHEET NO
Sept 27 , 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	BANDA	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - B, N, D, - 1, 9, 5, - 5,	
 -  PT. Aneka Asia Buana		



LEGEND

AC : ALTERNATING CURRENT
 DC : DIRRECT CURRENT
 kVA : KILO VOLT AMPERE

APPROVED BY JICA: 
 DRAWN BY AAB: 

DATE Sept 27, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME BANDA	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - B, N, D, - 1, 9, 5, - 6,	
 -  PT. Aneka Asia Buana		

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

**4th-A Class Coast Station
Elat
(Coast Station No. 196)**

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	ELAT		
	CLASS	4th-A	NO.	196

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				132° 59' 30" E	05° 39' 18" S

2. GENERAL CONDITIONS					
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population	
By Air to Ambon [Taking time: 5:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel		
By Air to Tual [Taking time: 2:00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel		
By Ship to Elat [Taking time: 2:00 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light			
		<input type="checkbox"/> 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
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input type="checkbox"/> Lightning system
Altitude	3.00 M		Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	m ²		<input type="checkbox"/> Lines	<input type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	0.9	<input type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month	Times	E/G Stand-by System	
Operation room		Total interpt. hours /month	Hours	<input type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System	
Remark	Operated by Kanpel Staff				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
Restoration flow	Send to Ambon to be repaired			Chief	1			
Examples of major failure	Damaged by lightening			Operator (skilled)	()		()	
Sufficiency of spares				Technician (skilled)	()		()	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/> External noises	Total		1		
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/> Air pollution					
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	ELAT		
	CLASS	4th-A	NO.	196

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 Telecommunication in Maluku is very important : Maluku consists of Islands which separated by ocean and 90% of Maluku area is ocean. Transportation between island by using Ships and Maritime Telecommunications used as ship navigation monitoring
Remarks	No Data (Office Building owned by Kanpel and operated by Kanpel Staff)

INVENTORY

Site Name: Elat

ELT-196- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver			Spilsbury ICOM				Damaged
2		SSB Transceiver	IC-M-700						Good
2		Power Supply Equipment							
2-1		Power Adaptor & UPS							
1		Power Supply Unit							Good
2		Battery Charger			Yuasa				Damaged
3		Battery (2)							Good

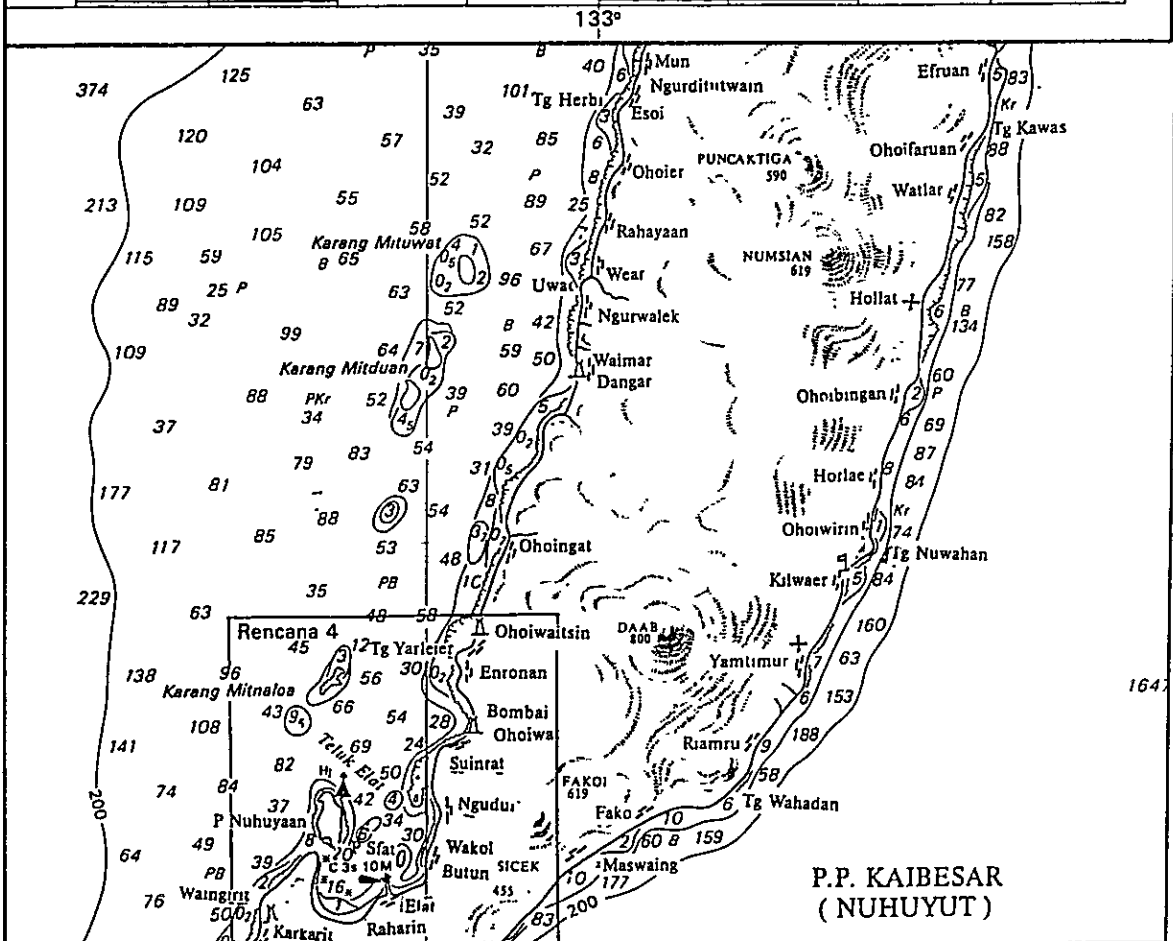
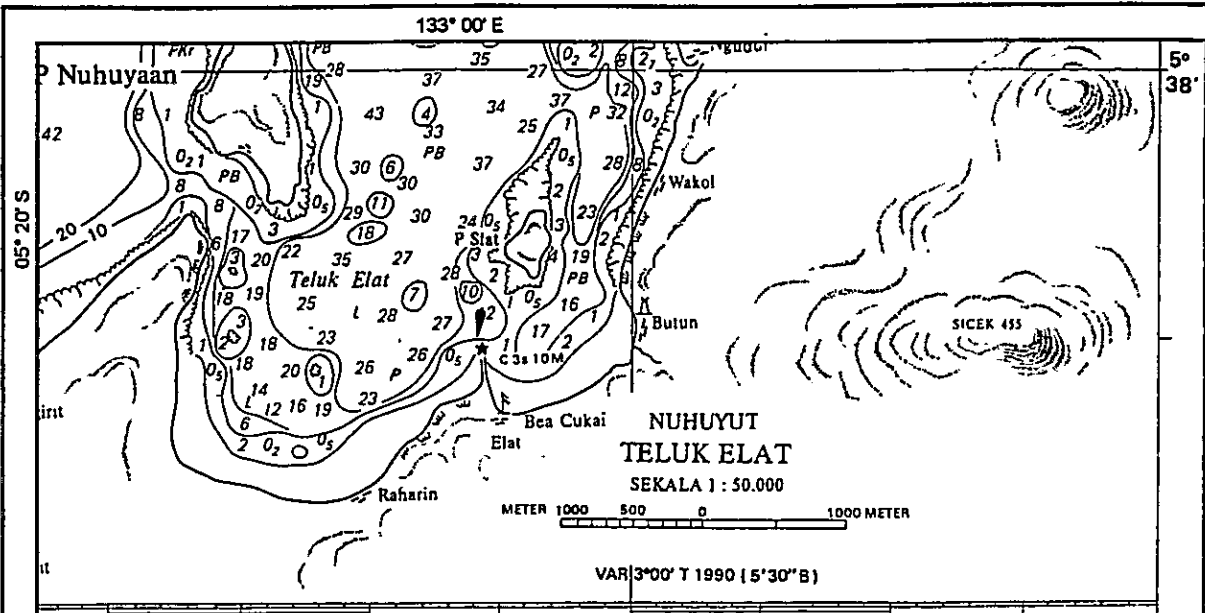
OPERATION SCHEDULE (FREQUENCIES)

Site Name: Elat

ELT-196-(1/1)

Call Sign : Mobile Service : PKE.59
Fix Service :

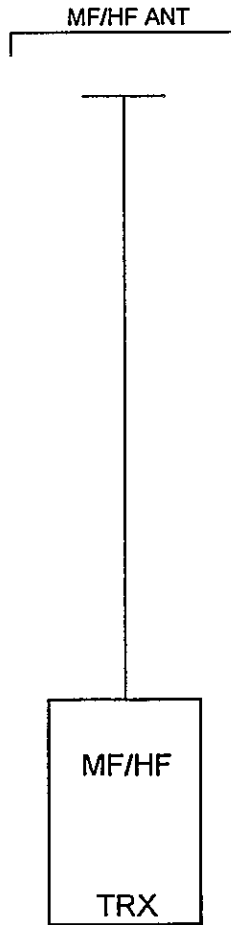
FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mobile Service																											
1 2 182,0	J3E	500																									
2 2 690,0	J3E	500																									
3 6 215,0	J3E	500																									
VHF Service																											
4 Channel-16	G3E	50																									
VHF Service																											
5 6 926,0	J3E	150																									
6 5 316,0	J3E	150																									
7 9 925,0	J3E	150																									
8 10 225	J3E	150																									
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											



DRAWN BY AAB

APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 13, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 200,000	ELAT	
DIMENSION	DRAWING NO	
Meter	S, R, O, P, - E, L, T, - 1, 9, 6, - 1,	
-		

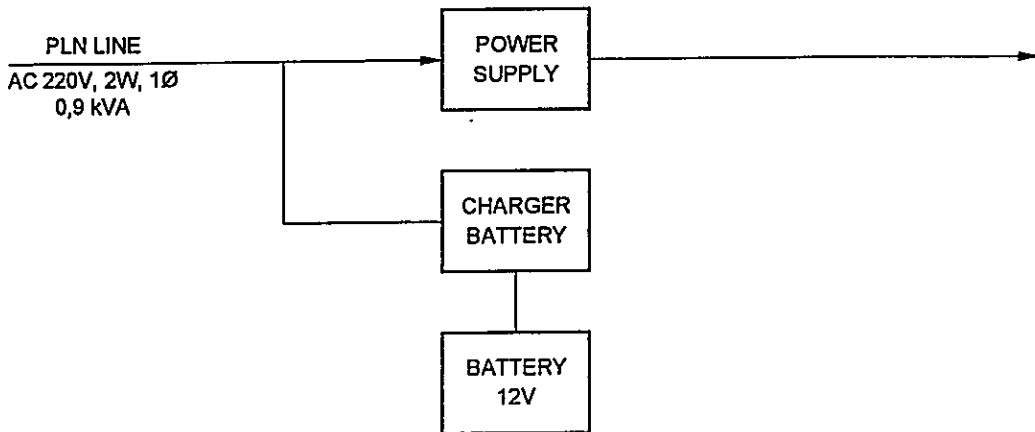


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 APPROVED BY JICA
[Signature]

LEGEND

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCIEVER

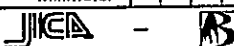
DATE Sept 27, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME ELAT	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - E, L, T, - 1, 9, 6, - 5,	
- PT. Aneka Asia Buana		



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 APPROVED BY JICA: *[Signature]*

LEGEND

- AC : ALTERNATING CURRENT
- KVA : KILO VOLT AMPERE
- V : VOLT
- W : WIRE
- Ø : PHASE

DATE	DRAWING TITLE	SHEET NO.
Sept 27, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	ELAT	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P - E, L, T - 1, 9, 6 - 6,	
		

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

**4th-A Class Coast Station
Saumlaki
(Coast Station No. 197)**

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	SAUMLAKI		
	CLASS	4th-A	NO.	197

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Saumlaki, Maluku Tenggara			131° 18' 40" E	07° 57' 50" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Ambon [Taking time: 4:00 hr.]	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	1,000
By Air	to Saumlaki [Taking time: 2:00 hr.]	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Station [Taking time: 0:30 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> 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
<input type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No	<input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide		<input type="checkbox"/> Towers (Masts)
<input checked="" type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage		<input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence		<input type="checkbox"/> Lightning system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy				<input type="checkbox"/> Feeder Cable Way
Altitude	15.00 M		Telephone Lines		<input checked="" type="checkbox"/> City water
Land area	1,000 m ²		<input type="checkbox"/> Lines		

3.2 Building Conditions			3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input checked="" type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	0.9	<input type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %		Day tank 5 Liter
Flooring	Mortar	Availability of power per day	24 Hours	Main tank	5 k Liter
Room Area (m²)		Power interruption /month	Times	E/G Stand-by System	
Operation room	24.00	Total interpt. hours /month	Hours	<input checked="" type="checkbox"/> Single System	
E / G room	25.00	Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System	
Remark					

4. OPERATION AND MAINTENANCE					5. PERSONNEL FORMATIONS				
Actions taken in equipment failure									
Restoration flow	Send to Ambon to be repaired				Chief	TX/RX			
Examples of major failure	Damaged by lightening				Operator (skilled)				
Sufficiency of spares					Technician (skilled)				
Records of damages			Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall			Good	Bad					
<input type="checkbox"/> Storm			<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises	Total 1			
<input type="checkbox"/> Lightning			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity									
Institutional and Human Statuses					Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient		Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough		Oru	Oru	Ambon	1981	1
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough						
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough						
5 Number of Technician	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough						
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						

SUMMARY OF COAST STATION	SITE	SAUMLAKI		
	CLASS	4th-A	NO.	197

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			

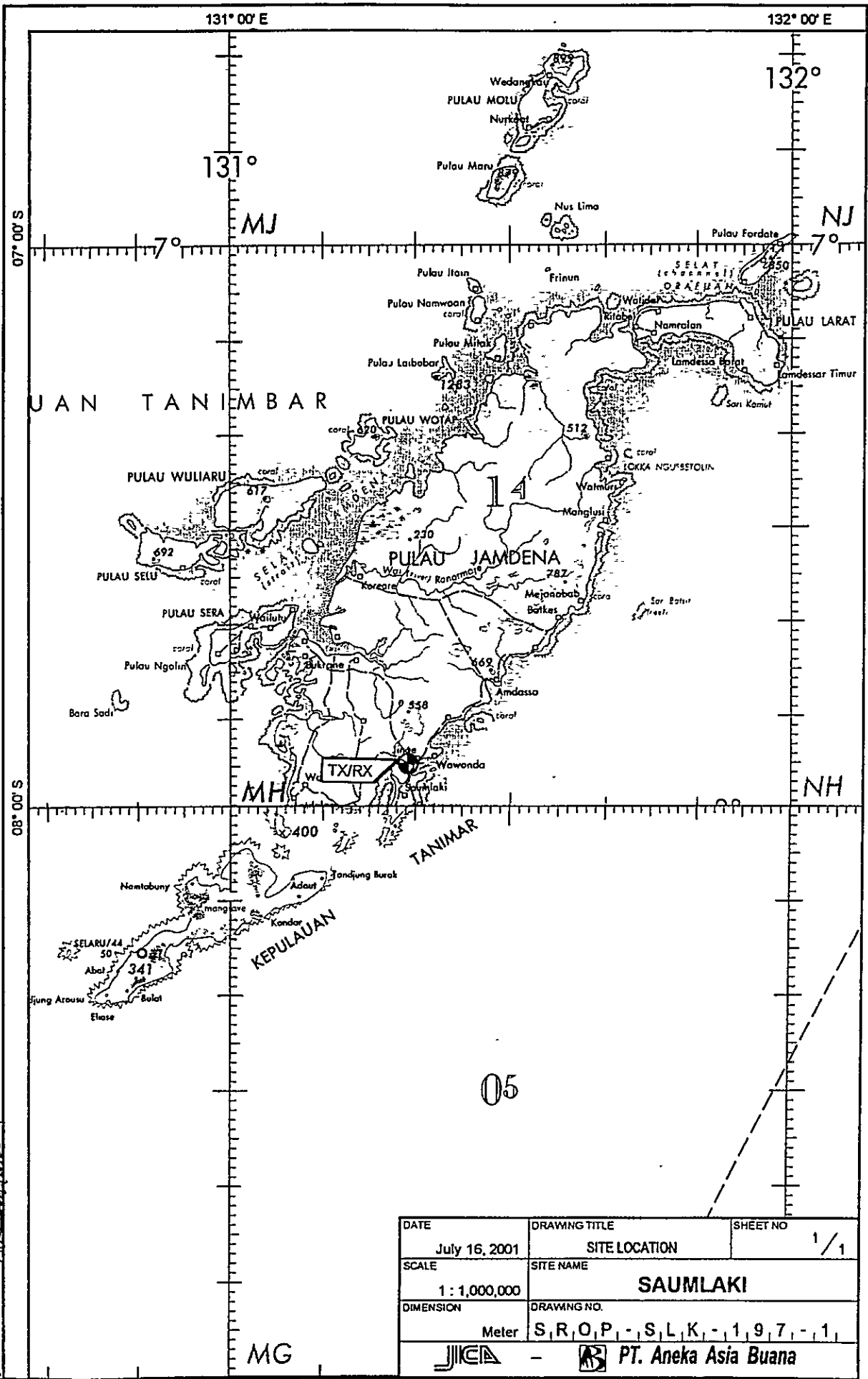
7. COMMENTS	
Suggestion	Maritime Telecommunications in Maluku is very important, because: Maluku consists of Islands which separated by Ocean, and 90% of Maluku area is Ocean Transportation between Island by using ship, and Maritime Telecommunication used as ship navigation monitoring
Remarks	

INVENTORY

Site Name: Saumlaki

SLK-197- (1 / 1)

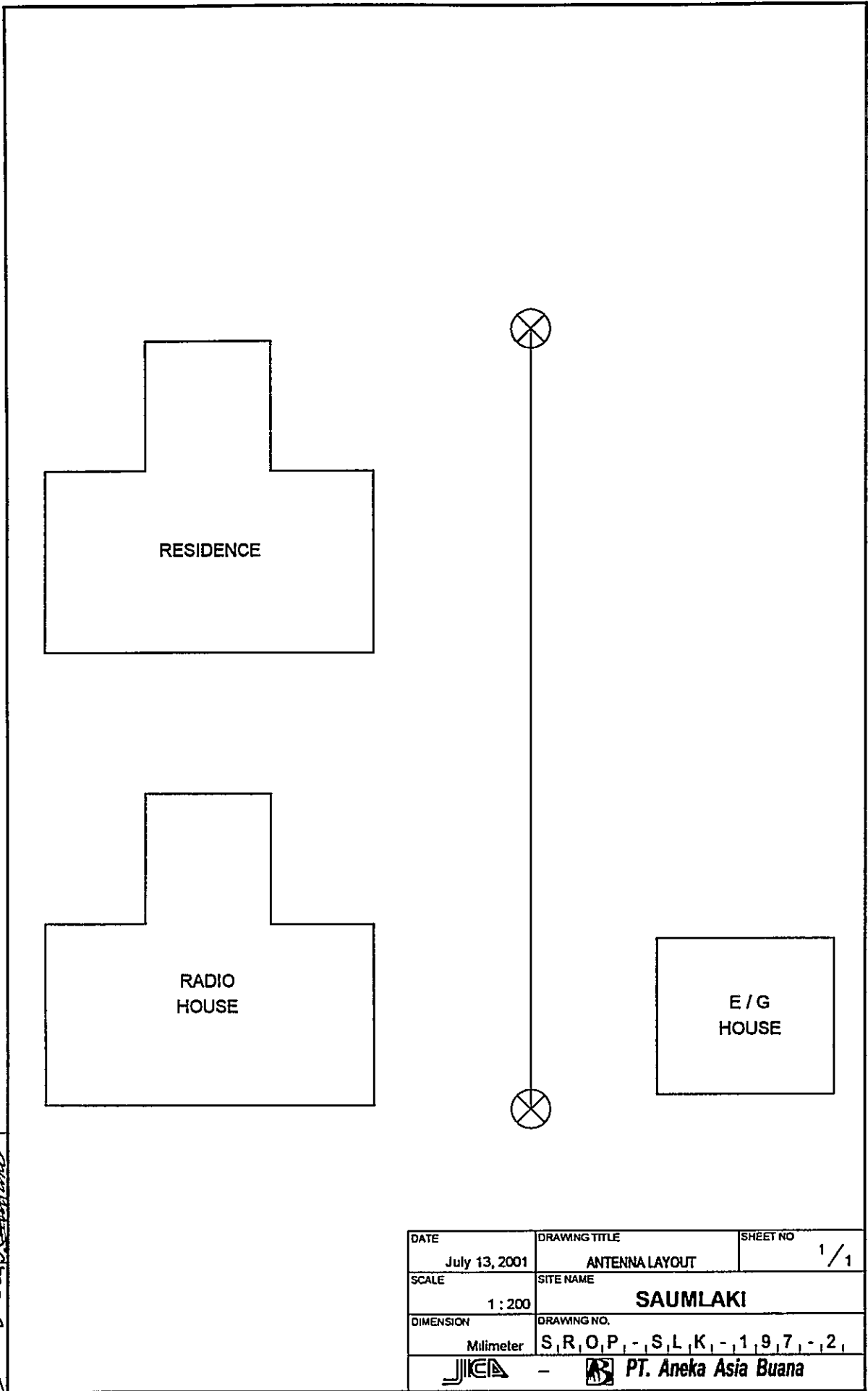
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver	IC-M-700	01218	ICOM	1990			Good
2		Power Supply Equipment							
2-1		Power Adaptor & UPS							
1		Power Supply Unit			YUASA				Good
2		Battery							Good
2-2		Engine Generator							
1		Engine	5002		RATNA				Good



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 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 16, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 1,000,000	SAUMLAKI	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - S, L, K, - 1, 9, 7, - 1,	

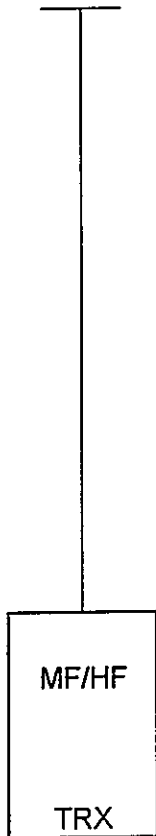
MG



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 APPROVED BY: JICA
[Signature]

DATE	DRAWING TITLE	SHEET NO
July 13, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 200	SAUMLAKI	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - S, L, K, - 1, 9, 7, - 2, 1	
- PT. Aneka Asia Buana		

MF/HF ANT



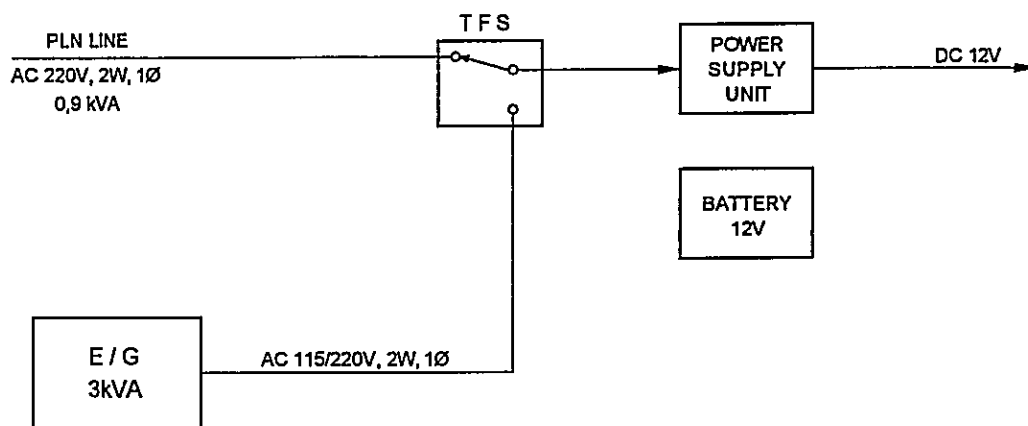
APPROVED BY JICA:

DRAWN BY AAB

LEGEND

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCIVER

DATE	DRAWING TITLE	SHEET NO
Sept 27, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	SAUMLAKI	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, -, S, L, K, -, 1, 9, 7, -, 5,	
JICA - PT. Aneka Asia Buana		



LEGEND

AC : ALTERNATING CURRENT
 E/G : ENGINE GENERATOR
 KVA : KILO VOLT AMPERE
 V : VOLT
 W : WIRE
 Ø : PHASE

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DATE	DRAWING TITLE	SHEET NO.
Sept 27, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	SAUMLAKI	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, -, S, L, K, -, 1, 9, 7, -, 6, 1	
- PT. Aneka Asia Buana		

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

**4th-A Class Coast Station
Morotai
(Coast Station No. 198)**

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	MOROTAI		
	CLASS	4th-A	NO.	198

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan Daruba			128° 11' 53" E	02° 16' 37" S

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> 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
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide
<input checked="" type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input type="checkbox"/> Grounding system
			<input type="checkbox"/> Lightning system
Altitude	25.00 M	Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	100.00 m ²	<input type="checkbox"/> Lines	<input type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	220 V	Good Bad
Structure	Concrete	Phase	1	1	<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	2	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	0.9	3	<input type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %		Day tank Liter
Flooring	Mortar	Availability of power per day	24 Hours		Main tank k Liter
Room Area (m ²)		Power interruption /month	Times	E/G Stand-by System	
Operation room	23.10	Total interpt. hours /month	Hours	<input checked="" type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System	
Remark	Operated by Kanpel Staff				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure				TX/RX				
Restoration flow	Send to Ambon to be repaired			Chief	1			
Examples of major failure	Damaged by lightening			Operator (skilled)	0 0			
Sufficiency of spares				Technician (skilled)	0 0			
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	External noises	Total			1
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
4 Number of Operator	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	MOROTAI		
	CLASS	4th-A	NO.	198

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			

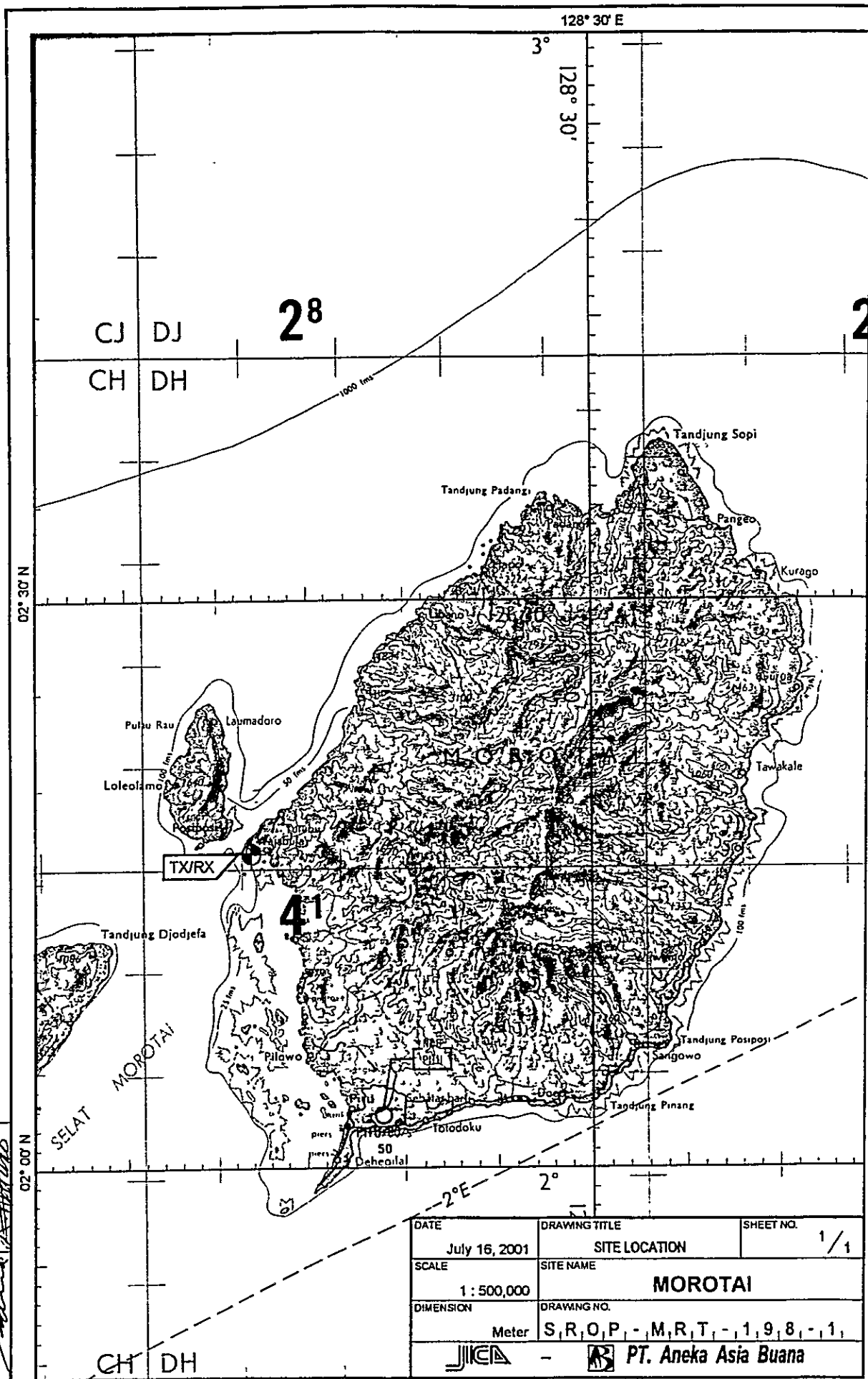
7. COMMENTS	
Suggestion	Maritime Telecommunication is very important in Maluku, because: Maluku contents of Islands which separated by Ocean, and 90% of Maluku area is ocean Transportation between Islands by using ship, Maritime Telecommunications used as ship navigation monitoring
Remarks	

INVENTORY

Site Name: Morotai

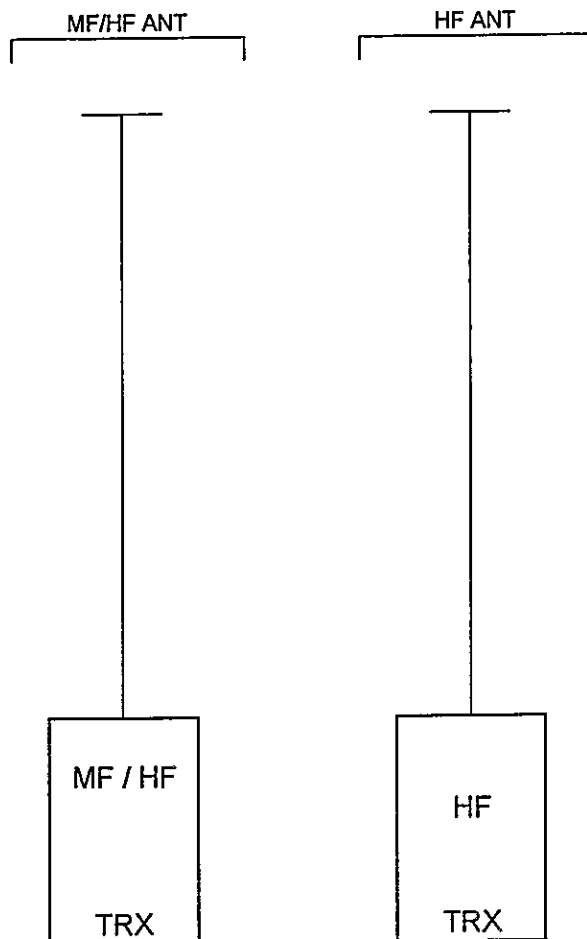
MRT-198- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver							Damaged
2		SSB Transceiver	IC-M-710		Spilsbury ICOM				Good
2		Power Supply Equipment							
2-1		Power Adaptor & UPS							Good
1		Power Supply Unit							Damaged
2		Battery Charger							Good
3		Battery							Good
2-2		Engine Generator							Damaged
1		3kVA (SHP) Engine Generator							Damaged



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 [Signature]

DATE	DRAWING TITLE	SHEET NO.
July 16, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	MOROTAI	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - M, R, T, - 1, 9, 8, - 1,	
JICA	PT. Aneka Asia Buana	

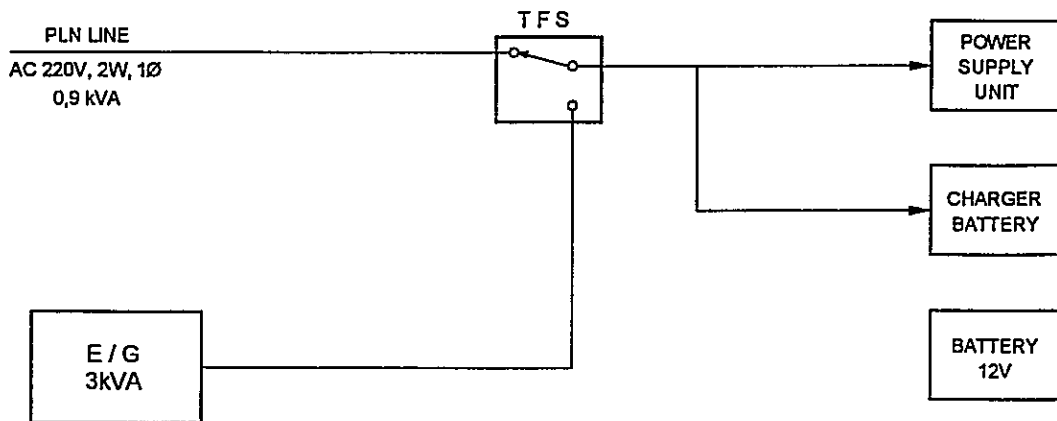


APPROVED BY JICA
 DRAWN BY AAB

LEGEND

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

DATE	DRAWING TITLE	SHEET NO
Sept 27, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	MOROTAI	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - M, R, T, - 1, 9, 8, - 5, 1	
- PT. Aneka Asia Buana		



LEGEND

AC : ALTERNATING CURRENT
 E/G : ENGINE GENERATOR
 kVA : KILO VOLT AMPERE
 V : VOLT
 W : WIRE
 Ø : PHASE

DRAWN BY AAB
 APPROVED BY JCA

DATE	DRAWING TITLE	SHEET NO
Sept 27, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	MOROTAI	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - M, R, T, - 1, 9, 8, - 6, 1	
- PT. Aneka Asia Buana		

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

**4th-A Class Coast Station
Dobo
(Coast Station No. 199)**

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	DOBO		
	CLASS	4th-A	NO.	199

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Kantor Pel. Dobo			134° 14' 32" E	05° 45' 38" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Ambon [Taking time: 6.00 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	14,25
By Air	to Dobo [Taking time: 3.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Location [Taking time: 0.30 hr]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> 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	
<input checked="" type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/>	<input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/>	<input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> Other	<input type="checkbox"/>	<input checked="" type="checkbox"/> Lightning system
Altitude	1.50 M		Telephone Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> Feeder Cable Way
Land area	6,278 m ²		Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water

3.2 Building Conditions			3.3 Power Source			
Constructions			PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	V	Good	Bad
Structure	Concrete	Phase	1		<input type="checkbox"/>	<input checked="" type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2		<input type="checkbox"/>	<input type="checkbox"/> Operations of E/G
Type of ceiling	Board	kVA	0.9		<input type="checkbox"/>	<input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source			Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	V ± %		Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours		Main tank	k Liter
Room Area (m ²)		Power interruption /month	4 Times	E/G Stand-by System		
Operation room	7.00	Total interpt. hours /month	2 Hours	<input type="checkbox"/>	Single System	
E / G room		Max. interpt. hours at once	0.30 Hours	<input type="checkbox"/>	Dual System	
Remark						

4. OPERATION AND MAINTENANCE					5. PERSONNEL FORMATIONS					
Actions taken in equipment failure										
Restoration flow	Wait from Ambon Coastal Radio				Chief	TX/RX				
Examples of major failure					Operator (skilled)	0	0			
Sufficiency of spares	Available				Technician (skilled)	0	0			
Records of damages			Environmental Conditions		Administrator					
<input type="checkbox"/> Heavy rainfall			Good	Bad						
<input checked="" type="checkbox"/> Storm	Guide wire broken		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises	T o t a l		1		
<input type="checkbox"/> Lightning			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution					
<input type="checkbox"/> Other calamity										
Institutional and Human Statuses					Training Record					
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient		Course	Class	Location	Period	Trainee	
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough							
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough							
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough							
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough							
6 Capability of Operator	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable							
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable							

SUMMARY OF COAST STATION	SITE	DOBO		
	CLASS	4th-A	NO.	199

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			

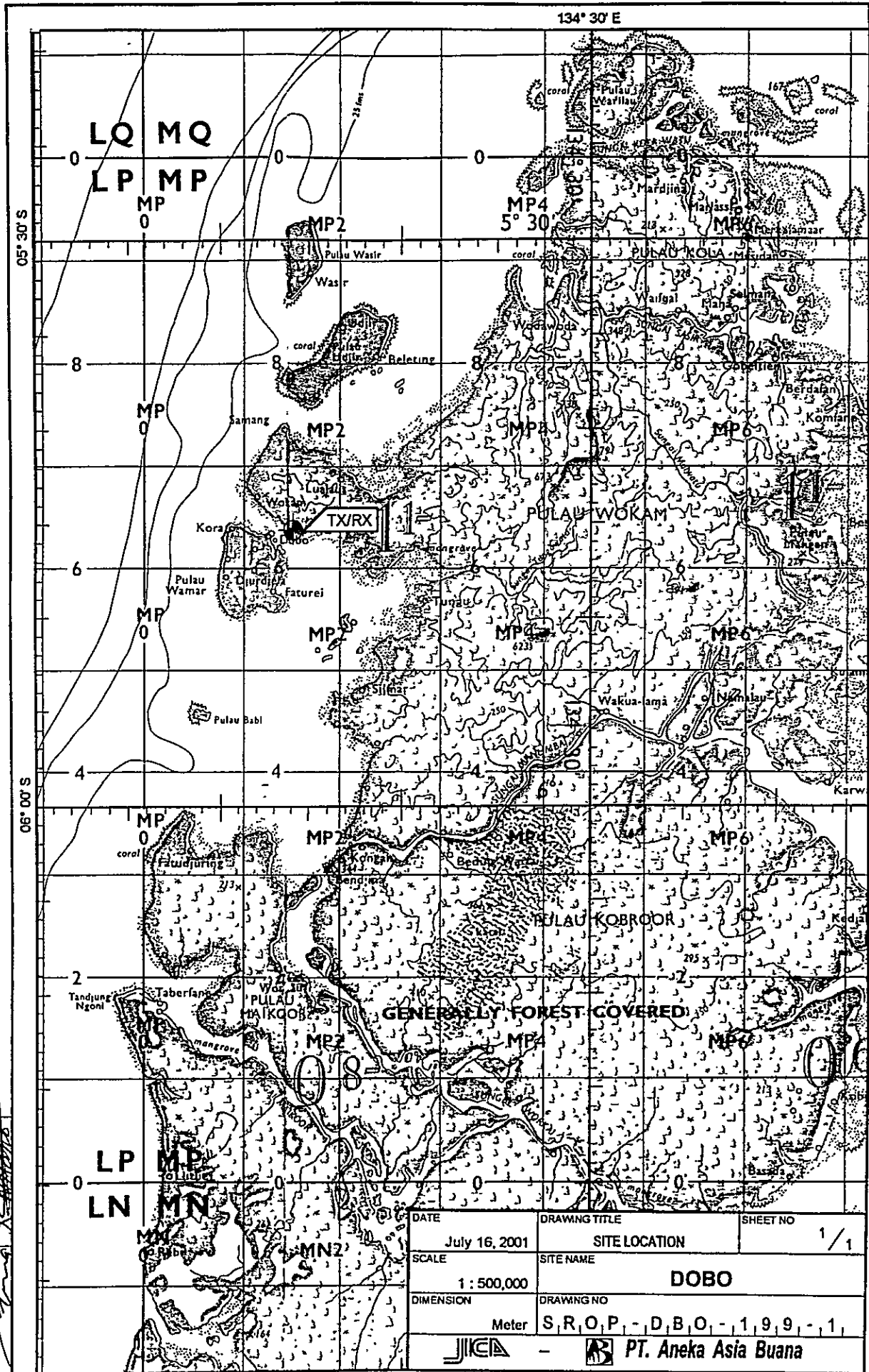
7. COMMENTS	
Suggestion	Request for a new building equipment/facilities near to the Port because the existing building (constructed on 1985) has never been used since it was constructed and now in the very bad condition due to unavailable maintenance budget
Remarks	

INVENTORY

Site Name: Dobo

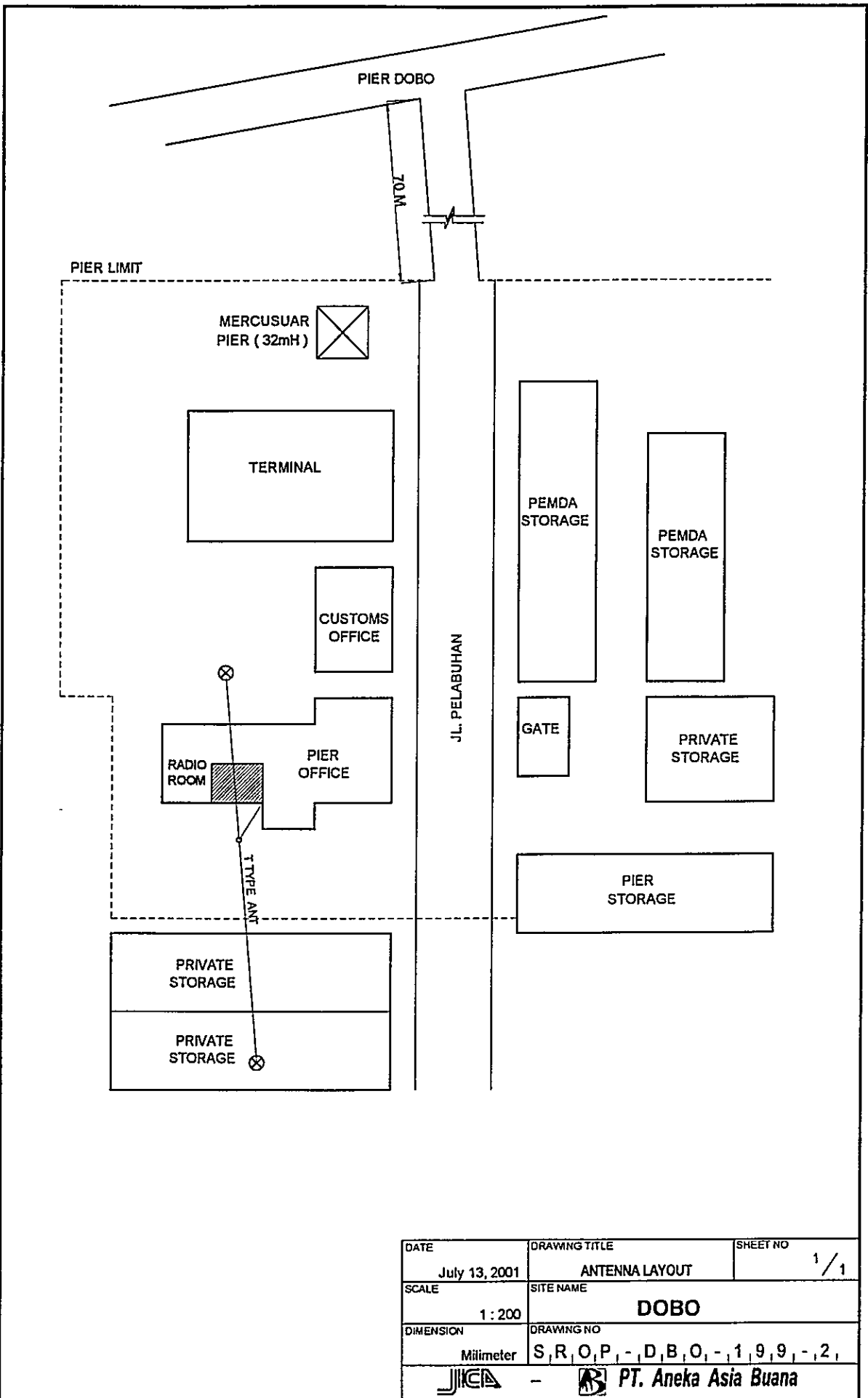
DBO-199- (1 / 1)

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	49557	ICOM	1995			Good
2		Tower & Antenna System							
2-1		Tower & Mast							
1		Pipe Tower	Cylinder			1996			
2-2		Antenna System							
1		15mH Dipole Antenna (2)				1995			
3		Power Supply Equipment							
3-1		UPS & AVR System							
1		Power Supply 20A	RE-2000	183027	VEDIO	1991			
2		Accu Charger 6-24V	SM-245D	209609	DELTA	1988			
4		Measuring Equipment							
1		Multi Tester	SP-15D		Sanwa	1994			





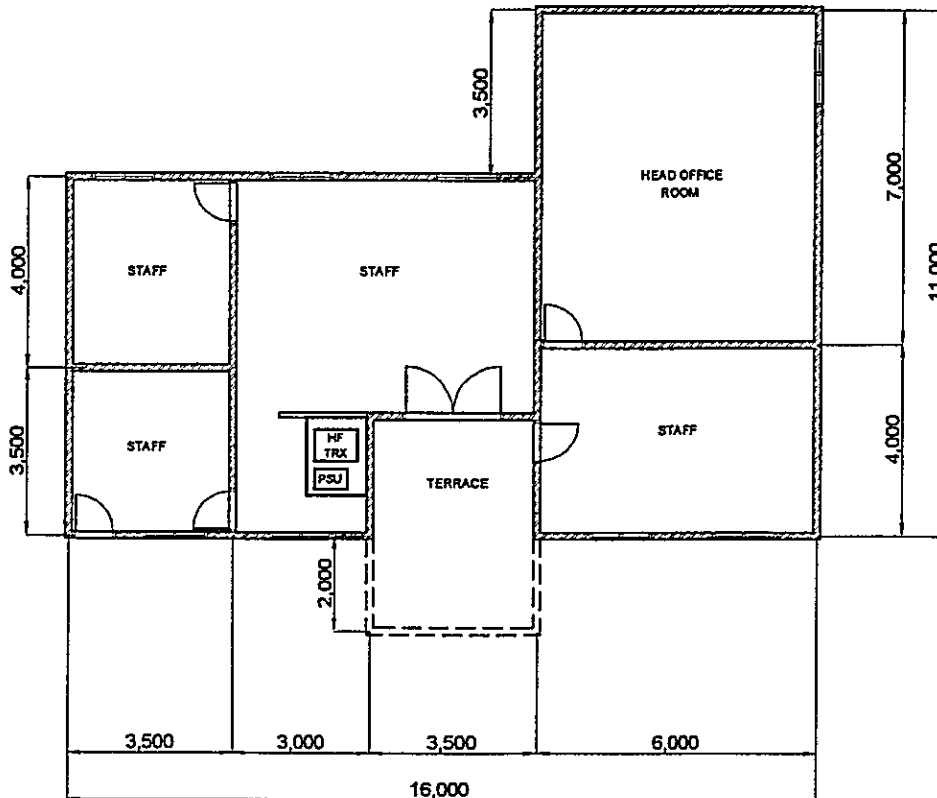
DRAWN BY AAB
 APPROVED BY JCA

DATE	DRAWING TITLE	SHEET NO
July 16, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	DOBO	
DIMENSION	DRAWING NO	
Meter	S, R, O, P - D, B, O - 1, 9, 9 - 1, 1	
- PT. Aneka Asia Buana		



DRAWN BY AAB. 
 APPROVED BY JICA 

DATE	DRAWING TITLE	SHEET NO
July 13, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 200	DOBO	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - D, B, O, - 1, 9, 9, - 2,	
 -  PT. Aneka Asia Buana		



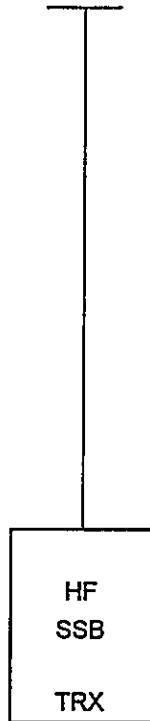
LEGEND

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

DRAWN BY AAB. *[Signature]*
 APPROVED BY JICA. *[Signature]*

DATE July 13, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1/1
SCALE 1 : 150	SITE NAME DOBO	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - D, B, O, - 1, 9, 9, - 3, 1	
- PT. Aneka Asia Buana		

T TYPE ANT



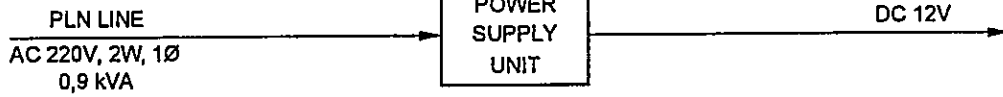
LEGEND

HF : HIGH FREQUENCY
TRX : TRANSCIEVER (ING)

APPROVED BY JICA:

DRAWN BY AAB:

DATE July 13, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME DOBO	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, D, B, O, -, 1, 9, 9, -, 5,	
JICA - PT. Aneka Asia Buana		



DRAWN BY AAB
 APPROVED BY JICA

LEGEND

- AC : ALTERNATING CURRENT
- kVA : KILO VOLT AMPERE
- V : VOLT
- W : WIRE
- Ø : PHASE

DATE Sept 27, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME DOBO	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - D, B, O, - 1, 9, 9, - 6, 1	
- PT. Aneka Asia Buana		