

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

MARITIME TELECOMMUNICATION FACILITIES:  
INVENTORY, PLANT RECORDS AND  
OUTLOOK-2001

VOLUME - 3

DISTRICT NAVIGATION AREAS  
OF  
NTT - KALIMANTAN - SULAWESI

13	2nd Class Disnav	Kupang
14	Sub-Disnav	Pontimak
15	2nd Class Disnav	Banjarmasin
16	1st Class Disnav	Samarinda
17	2nd Class Disnav	Tarakan
18	1st Class Disnav	Makassar
19	Sub-Disnav	Kendari

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice G. D. B. [unclear]" and "The Hon. Mr. Justice [unclear]".

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**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**



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

## **2nd Class District Navigation Area (13) Kupang**

### **Table of Content**

DISNAV	13	Kupang	2nd Class
SROP	118	Kupang	2nd Class
	119	Ex Dilli	
	120	Ende	4th-A Class
	121	Waingapu	4th-A Class
	122	Maumere	4th-A Class
	123	Kalabahi	4th-A Class
	124	Larantuka	4th-A Class
	125	Atapupu	4th-A Class
	126	Reo	4th-A Class
	127	Seba	4th-A Class

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

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

## **2nd Class District Navigation Area (13) Kupang**

### **Table of Content**

DISNAV	13	Kupang	2nd Class
SROP	118	Kupang	2nd Class
	119	Ex Dilli	3rd Class
	120	Ende	4th-A Class
	121	Waingapu	4th-A Class
	122	Maumere	4th-A Class
	123	Kalabahi	4th-A Class
	124	Larantuka	4th-A Class
	125	Atapupu	4th-A Class
	126	Reo	4th-A Class
	127	Seba	4th-A Class

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

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

## **2nd Class District Navigation Office (Area-13) Kupang**

### **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**

<b>SUMMARY OF DISNAV</b>	SITE	KUPANG		
	CLASS	2nd	NO.	13

<b>1. LOCATION</b>				
Address	Tel.	Fax	Longitude	Latitude
Jl. Yos Sudarso No. 54, Kupang-Tenau	0380-890015	0380-890015	123° 31' 49" E	10° 11' 37" S

<b>2. GENERAL CONDITIONS</b>				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Eltari [Taking time: 4.15 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	500,000
By Car to Location [Taking time: 0.45 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		

<b>3. CONDITIONS OF DISNAV OFFICE</b>	Refer to attached drawing
---------------------------------------	---------------------------

<b>3.1 Site Conditions</b>				
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	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> <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 type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input checked="" type="checkbox"/> Stony	<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"/> <input type="checkbox"/> Lightning system
Altitude	20 m		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	312 m <sup>2</sup>		<input checked="" type="checkbox"/> 2 Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> City water

<b>3.2 Building Conditions</b>		<b>3.3 Power Source</b>			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	3	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	4	<input type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	33	<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	10 V ± 5 %		Day tank
Flooring	Ceramic	Availability of power per day	24 Hours	Main tank	2,000 Liter
Room Area (m <sup>2</sup> )		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					

<b>4. OPERATION AND MAINTENANCE</b>				<b>5. PERSONNEL FORMATIONS</b>					
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				
<input type="checkbox"/> Storm				<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises			
<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 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 checked="" type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						
7 Capability of Technician	<input checked="" type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						



<b>SUMMARY OF DISNAV</b>	SITE	KUPANG		
	CLASS	2nd	NO	13

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 additional staffs and to be completed by equipment as accordance with Class-IV such as GMDSS System, up to this time is still using manual system Upgrading for Budgetary, Operational Transportation Request for special quay Navigation
Remarks	

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

## 2nd Class Coast Station **Kupang** (Coast Station No. 118)

### Table of Content

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

- | RX                                  | TX                                  | Drawings:              |
|-------------------------------------|-------------------------------------|------------------------|
|                                     | <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

<b>SUMMARY OF COAST STATION</b>			<b>SITE</b>	<b>KUPANG</b>		
			<b>CLASS</b>	<b>2nd</b>	<b>NO.</b>	<b>118</b>

<b>1. LOCATION</b>					
<b>Station</b>	<b>Address</b>	<b>Tel.</b>	<b>Fax</b>	<b>Longitude</b>	<b>Latitude</b>
RX	Jl. Yos Sudarso No. 54 - Tenau	827932, 890032		123° 31' 49" E	10° 11' 37" S
TX	Jl. Raya Belo			123° 37' 24" E	10° 12' 49" S

<b>2. GENERAL CONDITIONS</b>					
<b>Moving from Jakarta</b>		<b>Site Access from Port</b>	<b>Road Traffic</b>	<b>Accommodation</b>	<b>Population</b>
By Air	to Kupang [Taking time: 6:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	2,500
By Car	to Location [Taking time: 0:45 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		

<b>3. CONDITIONS OF RECEIVING STATION</b>			Refer to attached drawing		
---	--	--	---------------------------	--	--

<b>3.1 Site Conditions</b>					
<b>Topography</b>	<b>Nature of Soil</b>		<b>Past disaster of site</b>	<b>Confirmation of existing system</b>	
<input 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 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"/> Dry soil/Stony	<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
<b>Altitude</b>	40.00 M		<b>Telephone Lines</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
<b>Land area</b>	10,000 m <sup>2</sup>		<input checked="" type="checkbox"/> 1 Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> City water

<b>3.2 Building Conditions</b>			<b>3.3 Power Source</b>		
<b>Constructions</b>			<b>PLN Source</b>	<b>E/G</b>	<b>Existing Power Conditions</b>
Num. of story	1	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	Asbestos	Wire	4	4	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	33	7.5	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	<b>Quality of PLN source</b>		<b>Capacity of fuel for engine</b>	
Wall finish	Mortar	Fluctuations	30 V ± 15 %		Day tank 100 Liter
Flooring	Tile	Availability of power per day	24 Hours		Main tank 1 kLiter
<b>Room Area (m<sup>2</sup>)</b>		<b>Power interruption /month</b>	12 Times		<b>E/G Stand-by System</b>
Operation room	91.25	Total interpt. hours /month	36 Hours		<input type="checkbox"/> Single System
E / G room	43.00	Max. interpt. hours at once	12 Hours		<input checked="" type="checkbox"/> Dual System
<b>Remark</b>					

<b>4. CONDITIONS OF TRANSMITTING STATION</b>			Refer to attached drawing		
--	--	--	---------------------------	--	--

<b>Site Conditions</b>					
<b>Topography</b>	<b>Nature of Soil</b>		<b>Past disaster of site</b>	<b>Confirmation of existing system</b>	
<input 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 checked="" type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input checked="" 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
<b>Altitude</b>	20.00 m		<b>Telephone Lines</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
<b>Land area</b>	10,000 m <sup>2</sup>		<input type="checkbox"/> Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water

<b>SUMMARY OF COAST STATION</b>	SITE	KUPANG		
	CLASS	2nd	NO.	118

<b>4. CONDITIONS OF TRANSMITTING STATION (Continued)</b>				Refer to attached drawing	
<b>Building Conditions</b>		<b>Power Source</b>			
<b>Constructions</b>		<b>PLN Source</b>	<b>E/G</b>	<b>Existing Power Conditions</b>	
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	Asbestos	Wire	4	4	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	33	40	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	<b>Quality of PLN source</b>		<b>Capacity of fuel for engine</b>	
Wall finish	Mortar	Fluctuations	20 V ± 10 %		Day tank 200 Liter
Flooring	Mortar	Availability of power per day	24 Hours	Main tank	5 k Liter
<b>Room Area (m<sup>2</sup>)</b>		<b>Power interruption /month</b>	12 Times	<b>E/G Stand-by System</b>	
Operation room	65.00	<b>Total interpt. hours /month</b>	36 Hours	<input type="checkbox"/> Single System	
E / G room	74.00	<b>Max. interpt. hours at once</b>	12 Hours	<input checked="" type="checkbox"/> Dual System	
<b>Remark</b>					

<b>5. OPERATION AND MAINTENANCE</b>				<b>6. PERSONNEL FORMATIONS</b>						
<b>Actions taken in equipment failure</b>					<b>RX</b>	<b>TX</b>				
Restoration flow	Repaired in Kupang Coast Station			Chief	1					
Examples of major failure	Power Supply TX-JRS-713			Operator (skilled)	14 (3)	()				
Sufficiency of spares	Spare Unit Un-available			Technician (skilled)	2 ()	6 ()				
<b>Records of damages</b>		<b>Environmental Conditions</b>		<b>Administrator</b>						
<input type="checkbox"/> Heavy rainfall		Good	Bad							
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises	Total				17	6
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution						
<input type="checkbox"/> Other calamity										
<b>Institutional and Human Statuses</b>				<b>Training Record</b>						
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	I	Jakarta	1997	1		
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Pre	II	Jakarta		3		
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	Oru	Jakarta		3		
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 type="checkbox"/> Not so bad	<input checked="" type="checkbox"/> Not capable							
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input checked="" type="checkbox"/> Not capable							

<b>7. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996		2			1991				1996			11
1997		2			1992				1997	26	98	43
1998	1	2			1993			28	1998	32	148	37
1999		2			1994			17	1999	48	227	26
2000		3			1995			24	2000	41	191	21

<b>8. COMMENTS</b>	
<b>Suggestion</b>	So many disturbance on VHF, it is coming from illegal transmitter, VHF Console damaged since installed by JRC, 6 units power supply damaged, Regulator damaged (spare part unavailable) therefore 3 units transmitters can not operation So many trespass done by incoming and outgoing ship In Transmitting station, many wild animal enter in to the area and dangerous of fire and there is no other traffic.
<b>Remarks</b>	

# INVENTORY

Site Name: Kupang

KPG-118- (1 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter	RZ-192	2908/502	Philips	1972			Damaged
2		Transmitter	RZ-183	2908/503	Philips	1972			Damaged
4		Transmitter	NSD-1125	5273	JRC	1967			Damaged
5		Transmitter	S-1303L	506756	Sailor	1985			Damaged
6		HF/MF Transceiver	FS-1000	-	Furuno	-			Damaged
7		HF Transceiver	IC-735	-	Icom	-			Damaged
8		HF Transceiver	IC-700	-	Icom	-			Good
9		HF Transceiver	7727	1587	RFC	1980			Damaged
10		HF Transceiver	JSB-50	930	Inti	1979			Damaged
11		HF Transceiver	130-F	4149	PYE	1972			Damaged
12		HF Transceiver	FT-180	-	Yaesu	-			Damaged
13		1kW MF TX (Mobile)	JRS-108P	BS63481	JRC	1996	F-TA-193:PH3		Good
14		1kW MF TX (Mobile)	JRS-108P	BS63482	JRC	1996	F-TA-193:PH3		Good
15		1kW HF TX (DSC/NBDP)	JRS-713AM	BS63516	JRC	1996	F-TA-193:PH3		Damaged
16		1kW HF TX (TG/TP)	JRS-713AM	BS63517	JRC	1996	F-TA-193:PH3		Good
17		1kW HF TX (TG/TP)	JRS-713AM	BS63518	JRC	1996	F-TA-193:PH3		PS Damaged
18		1kW HF TX (TG/TP)	JRS-713AM	BS63519	JRC	1996	F-TA-193:PH3		PS Damaged
19		1kW HF TX (Fix)	JRS-713BM	BS63521	JRC	1996	F-TA-193:PH3		Good
20		1kW MF/HF Transmitter (FIX)	JRS-713BM	JF00048	JRC	1997	F-TA-193:PH3		Good
1-2		<b>Remote Control System</b>							
1-2-1		Remote Control	JCC-300LR8W	BP98368	JRC	1996	F-TA-193:PH3		Good
2		Local Terminal Unit	GED-1086C	BP98305	JRC	1996	F-TA-193:PH3		Good
3		Connection Rack	NQD-3629	-	JRC	1996	F-TA-193:PH3		Good
4		Junction Box	NQQ-18G	BP98648	JRC	1996	F-TA-193:PH3		Good
5		Common Repeater	NCH-701M	-	JRC	1996	F-TA-193:PH3		Good
6		Telecontroller (Fix) with Cabinet	NCH-701M	-	JRC	1996	F-TA-193:PH3		Good
6		Telecontroller (FIX)	NCH-701M	JF31972	JRC	1997	F-TA-193:PH3		Good

# INVENTORY

Site Name: Kupang

KPG-118- (2 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-2-2		Supervisory Console							
1		Console (2U Type)	NCA-793	BP98285	JRC	1996	F-TA-193:PH3		Good
2		RF Jack Panel	NQE-584C	-	JRC	1996	F-TA-193:PH3		Good
3		Junction Box	NQD-3633	-	JRC	1996	F-TA-193:PH3		Good
4		Power Supply	NBK-31	-	JRC	1996	F-TA-193:PH3		Good
5		Receiver	NRD-93	BR69372	JRC	1996	F-TA-193:PH3		Good
6		TX Status Display	NCG-124	BP98311	JRC	1996	F-TA-193:PH3		Good
7		ASM Status Display	NCG-125	BP98316	JRC	1996	F-TA-193:PH3		Good
8		Control Line Patch	NQC-735	BP98317	JRC	1996	F-TA-193:PH3		Good
9		Speaker Panel	NVA-64-2	-	JRC	1996	F-TA-193:PH3		Good
10		Clock (+8H)	6HCD00074	-	JRC	1996	F-TA-193:PH3		Good
11		Headphone	ST-3	-	JRC	1996	F-TA-193:PH3		Good
12		Chair	-	-	JRC	1996	F-TA-193:PH3		Good
1-3		Operator Console/Desk/Rack							
1-3-1		MF TG Console							
1		Console (2U Type)	NCA-794	BP98286	JRC	1996	F-TA-193:PH3		Good
2		Jack Panel	NQC-742A	-	JRC	1996	F-TA-193:PH3		Good
3		RF Jack Panel	NQE-584C	-	JRC	1996	F-TA-193:PH3		Good
4		Junction Box	NQD-3630A	-	JRC	1996	F-TA-193:PH3		Good
5		Power Supply	NBK-31	-	JRC	1996	F-TA-193:PH3		Good
6		Receiver	NRD-93	BR69375	JRC	1996	F-TA-193:PH3		Good
7		Receiver	NRD-93	BR69373	JRC	1996	F-TA-193:PH3		Good
8		500kHz Auto Alarm	JXA-15A	BA25912	JRC	1996	F-TA-193:PH3		Good
9		Power Supply (for JXA-15A,+24V)	SJR-2405	-	JRC	1996	F-TA-193:PH3		Good
10		Buzzer (for JXA-15A)	BZ-18	BA25219	JRC	1996	F-TA-193:PH3		Good
11		Speaker Panel	NVA-64-2	-	JRC	1996	F-TA-193:PH3		Good
12		Signal Controller	NQP-22-1	BP98636	JRC	1996	F-TA-193:PH3		Good
13		Telecontroller	NCH-300P	BP98359	JRC	1996	F-TA-193:PH3		Good
14		Clock (+8H, 500kHz)	6HCD00050	-	JRC	1996	F-TA-193:PH3		Good
15		Morse Key	HK-704	-	JRC	1996	F-TA-193:PH3		Good
16		Cable for Key	KC-547	-	JRC	1996	F-TA-193:PH3		Good
17		Headphone	ST-3	-	JRC	1996	F-TA-193:PH3		Good
18		Chair	-	-	JRC	1996	F-TA-193:PH3		Good

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Site Name: Kupang

KPG-118- (3 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
19		Morse Converter	NGK-9	BP98584	JRC	1996	F-TA-193:PH3		Good
20		PC 486DX4-100MHz	PC100-6281	AI9000A4LG	JRC	1996	F-TA-193:PH3		Good
21		CRT Display	6542-105	-	JRC	1996	F-TA-193:PH3		Good
22		System Floppy Disk (Morse TX)	-	-	JRC	1996	F-TA-193:PH3		Good
23		Printer	LX-300	OK160229274	JRC	1996	F-TA-193:PH3		Good
24		Desk for Computer	CD4-398	-	JRC	1996	F-TA-193:PH3		Good
1-3-2		HF TG/NBDP Console							
1		Console (3U Type)	NCA-794	BP98288	JRC	1996	F-TA-193:PH3		Good
2		Jack Panel	NQC-742A	-	JRC	1996	F-TA-193:PH3		Good
3		RF Jack Panel	NQE-584C	-	JRC	1996	F-TA-193:PH3		Good
4		Junction Box	NQD-3630C	-	JRC	1996	F-TA-193:PH3		Good
5		Power Supply	NBK-31	-	JRC	1996	F-TA-193:PH3		Good
6		Receiver	NRD-93	BR69374	JRC	1996	F-TA-193:PH3		Good
7		Receiver	NRD-93	BR69380	JRC	1996	F-TA-193:PH3		Good
8		Hybrid	CB721S-S	-	JRC	1996	F-TA-193:PH3		Good
9		Scanning Unit	NDH-93	-	JRC	1996	F-TA-193:PH3		Good
10		Speaker Panel	NVA-64-2	-	JRC	1996	F-TA-193:PH3		Good
11		Signal Controller	NQP-22-1	BP98637	JRC	1996	F-TA-193:PH3		Good
12		Telecontroller	NCH-701M	BP98714	JRC	1996	F-TA-193:PH3		Good
13		System Rack with Mother board & PS	NCT-32S-A	BP98573	JRC	1996	F-TA-193:PH3		Good
14		FS Modem	CHF-12A	BP98405	JRC	1996	F-TA-193:PH3		Good
15		CPU IF	CDC-721A	BP98436	JRC	1996	F-TA-193:PH3		Good
16		Level Converter	CMH-1280	-	JRC	1996	F-TA-193:PH3		Good
17		2W/4W Converter	NHH-556A	BP99825	JRC	1996	F-TA-193:PH3		Good
18		PC 486DX4-100MHz	PC100-6281	AI9000A4LG	JRC	1996	F-TA-193:PH3		Good
19		CRT Display	-	66-71610	JRC	1996	F-TA-193:PH3		Good
20		System Floppy Disk (NBDP/TELEX)	7YLED10106	-	JRC	1996	F-TA-193:PH3		Good
21		Desk of Computer	CD4-398	-	JRC	1996	F-TA-193:PH3		Good
22		Printer Rack	P-1020G	-	JRC	1996	F-TA-193:PH3		Good
23		Printer	LX-300	A300/OK2	JRC	1996	F-TA-193:PH3		Good
24		Printer	LX-300	60307023	JRC	1996	F-TA-193:PH3		Good
25		Printer	LX-300	A300/OK1	JRC	1996	F-TA-193:PH3		Good
26		Printer	LX-300	60307052	JRC	1996	F-TA-193:PH3		Good
27		Printer Auto-Switch	ASL-21(240)	-	JRC	1996	F-TA-193:PH3		Good

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# INVENTORY

Site Name: Kupang

KPG-118- (4 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
28		Clock (+8H)	6HCED00074	-	JRC	1996	F-TA-193:PH3		Good
29		Morse Key	HK-704	-	JRC	1996	F-TA-193:PH3		Good
30		Cable for Key	KC-547	-	JRC	1996	F-TA-193:PH3		Good
31		Headphone	ST-3	-	JRC	1996	F-TA-193:PH3		Good
32		Chair	-	-	JRC	1996	F-TA-193:PH3		Good
33		Paper Tape Reader/Puncher	DPT-610A	-	JRC	1996	F-TA-193:PH3		Good
34		Telecontroller (forASM)	NCH-391	-	JRC	1996	F-TA-193:PH3		Good
1-3-3		MF/HF TP Console		BP98659	JRC	1996	F-TA-193:PH3		Good
1		Console (3U Type)	NCA-795		JRC	1996	F-TA-193:PH3		Good
2		Jack Panel	NQC-742A	BP98287	JRC	1996	F-TA-193:PH3		Good
3		RF Jack Panel	NQE-584	-	JRC	1996	F-TA-193:PH3		Good
4		Junction Box	NQD-3630B	-	JRC	1996	F-TA-193:PH3		Good
5		Power Supply	NBK-31	-	JRC	1996	F-TA-193:PH3		Good
6		Receiver	NRD-93	BR69376	JRC	1996	F-TA-193:PH3		Good
7		Receiver	NRD-93	BR69379	JRC	1996	F-TA-193:PH3		Good
8		Hybrid	CB721S-S	-	JRC	1996	F-TA-193:PH3		Good
9		Scanning Unit	NDH-93	-	JRC	1996	F-TA-193:PH3		Good
10		2182 kHz Auto Alarm	JXA-8A	BA26479	JRC	1996	F-TA-193:PH3		Good
11		Audio and Key Switch	NCJ-400B	BP98319	JRC	1996	F-TA-193:PH3		Good
12		Speaker Panel	NVA-64-2	-	JRC	1996	F-TA-193:PH3		Good
13		Signal Controller	NQP-21-1	BP98633	JRC	1996	F-TA-193:PH3		Good
14		Telephone Repeater	NQQ-31BA	BP98646	JRC	1996	F-TA-193:PH3		Weak
15		Telecontroller	NCH-701M	BP98712	JRC	1996	F-TA-193:PH3		Good
16		Telecontroller	NCH-701M	BP98713	JRC	1996	F-TA-193:PH3		Good
17		Clock (+8H, 2182 kHz)	6HCED00038	-	JRC	1996	F-TA-193:PH3		Good
18		Headset	NTR-3302	-	JRC	1996	F-TA-193:PH3		Good
19		Chair	-	-	JRC	1996	F-TA-193:PH3		Good
1-3-4		FIX COM Console			JRC	1996	F-TA-193:PH3		Good
1		Console (3U Type)	NCA-797	BP98289	JRC	1996	F-TA-193:PH3		Good
2		Jack Panel	NQC-742A	-	JRC	1996	F-TA-193:PH3		Good
3		RF Jack Panel	NQE-584C	-	JRC	1996	F-TA-193 PH3		Good
4		Junction Box	NQD-3630D	-	JRC	1996	F-TA-193:PH3		Good
5		Power Supply	NBK-31	-	JRC	1996	F-TA-193:PH3		Good
6		Receiver	NRD-93	BR69377	JRC	1996	F-TA-193:PH3		Good

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Site Name: Kupang

KPG-118- (5 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
7		Receiver	NRD-93	BR69371	JRC	1996	F-TA-193:PH3		Good
8		Hibrid	CB72IS-S	-	JRC	1996	F-TA-193:PH3		Good
9		Speaker Panel	NVA-64-2	-			F-TA-193:PH3		Good
10		Signal Controller	NQP-21-1	BP98634	JRC	1996	F-TA-193:PH3		Good
11		Telephone Repeater	NQ-31BA	BP98647	JRC	1996	F-TA-193:PH3		Good
12		Telecontroller	NCH-701M	BP98711	JRC	1996	F-TA-193:PH3		Good
13		ARQ Modem with syatem FD	NCL-800	BP73270	JRC	1996	F-TA-193:PH3		Good
14		PC 486DX4-100MHz	PC100-6281	A19000A4LG	JRC	1996	F-TA-193:PH3		Good
15		CRT Display	6542-105	66-72886	JRC	1996	F-TA-193:PH3		Good
16		Desk for Computer	CD4-398	-	JRC	1996	F-TA-193:PH3		Good
17		Clock (+8H)	6HCED00074	-	JRC	1996	F-TA-193:PH3		Good
18		Headset	NTR-3302	-	JRC	1996	F-TA-193:PH3		Good
19		Chair	-	-	JRC	1996	F-TA-193:PH3		Good
20		Printer	LX-300	A300/OK1	JRC	1996	F-TA-193:PH3		Good
21		Printer	LX-300	60307075	JRC	1996	F-TA-193:PH3		Good
22		Audio & Key Switch	NCL-400B	JF31865	JRC	1997	F-TA-193:PH3		Good
23		Common Repeater	NQ-18GC	JF31951	JRC	1997	F-TA-193:PH3		Good
1-3-5		DSC/NBDP Console (3U)							
1		Console	NCA-641A	BP90847	JRC	1987	F-TA-193:PH3		Not yet used
2		Receiver	NRD-93	BR41464	JRC	1987	F-TA-193:PH3		Not yet used
3		Receiver	NRD-93	BR44905	JRC	1987	F-TA-193:PH3		Not yet used
4		Scanning Unit	NDH-93	BR35450	JRC	1987	F-TA-193:PH3		Not yet used
5		Scanning Unit	NDH-93	-	JRC	1987	F-TA-193:PH3		Not yet used
6		Speaker Panel	NVA-64	-	JRC	1987	F-TA-193:PH3		Not yet used
7		Signal Controller without Vodas	NQP-22	BR90979	JRC	1987	F-TA-193:PH3		Not yet used
8		Signal Controller without Vodas	NQP-22	BR90980	JRC	1987	F-TA-193:PH3		Not yet used
9		Telecontroller	NCH-701M	BP98715	JRC	1987	F-TA-193:PH3		Not yet used
10		2W/4W Converter	NHH-556A	-	JRC	1987	F-TA-193:PH3		Not yet used
11		ARQ Equipment	NCL-550A	GA11025	JRC	1987	F-TA-193:PH3		Not yet used
12		Telex Operation Unit	NQE-556A	GA11101	JRC	1987	F-TA-193:PH3		Not yet used
13		DSC Terminal	NCT-60C	GA11105	JRC	1987	F-TA-193:PH3		Not yet used
14		Connection Box (+2)	CQD-503A	-	JRC	1987	F-TA-193:PH3		Not yet used
15		Interface Unit	-	-	JRC	1987	F-TA-193:PH3		Not yet used
16		Power Supply Unit	NBK-31D	-	JRC	1987	F-TA-193:PH3		Not yet used

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Site Name: Kupang

KPG-118- (6 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
17		Clock (No Mark +7H)	6HCED00074	-	JRC	1987	F-TA-193:PH3		Not yet used
18		Cabinet for Analog Clock	-	-	JRC	1987	F-TA-193:PH3		Not yet used
19		RF Jack Panel	NQE-584C	-	JRC	1987	F-TA-193:PH3		Not yet used
20		Junction Box	NQD-3193A	-	JRC	1987	F-TA-193:PH3		Not yet used
21		Teleprinter	T-1000S	BCV102550	Siemen	1987	F-TA-193:PH3		Not yet used
22		Teleprinter	T-1000S	BCV102551	Siemen	1987	F-TA-193:PH3		Not yet used
23		AF & Key Switch	NCJ-400A	BP98318	JRC	1987	F-TA-193:PH3		Not yet used
1-3-6		DSC Console							
1		DSC Console (1U)	NCA-783C	BP98273	JRC	1996	F-TA-193:PH3		Good
2		Junction Box	NQD-3655C	-	JRC	1996	F-TA-193:PH3		Good
3		Power Supply	NBK-31	-	JRC	1996	F-TA-193:PH3		Good
4		PC 150DX4-100MHz	PC100	A19000A4LGN	JRC	1996	F-TA-193:PH3		Good
5		CRT Display	6542-105	66-71607	JRC	1996	F-TA-193:PH3		Good
6		System Floppy Disk (DSC)	7YLED10101	-	JRC	1996	F-TA-193:PH3		Good
7		Master Clock	NKH-100	BP99591	JRC	1996	F-TA-193:PH3		Good
8		Chair	-	-	JRC	1996	F-TA-193:PH3		Good
9		Printer Rack	P-1020G	-	JRC	1996	F-TA-193:PH3		Good
10		Printer	LX-300	A300/OK2	JRC	1996	F-TA-193:PH3		Good
11		Printer	LX-300	60307027	JRC	1996	F-TA-193:PH3		Good
1-3-7		DSC Rack							
1		DSC W/K RX Rack (1U Type)	GED-1248	BP98292	JRC	1996	F-TA-193:PH3		Good
2		RF Jack Panel	NQE-584R	-	JRC	1996	F-TA-193:PH3		Good
3		Junction Box	NQD-3631D	-	JRC	1996	F-TA-193:PH3		Good
4		DSC W/K Receiver	NRD-740	BR69463	JRC	1996	F-TA-193:PH3		Good
5		DSC W/K Receiver	NRD-740	BR69464	JRC	1996	F-TA-193:PH3		Good
6		DSC W/K Receiver	NRD-740	BR69645	JRC	1996	F-TA-193:PH3		Good
7		DSC W/K Receiver	NRD-740	BR69646	JRC	1996	F-TA-193:PH3		Good
8		DSC W/K Receiver	NRD-740	BR69647	JRC	1996	F-TA-193:PH3		Good
9		RX Controller	NCJ-536A	BP98382	JRC	1996	F-TA-193:PH3		Good
10		System Rack with Mother Board & PS	NCT-32	BP98548	JRC	1996	F-TA-193:PH3		Good
11		DSC DEM	CND-129A	BP98477	JRC	1996	F-TA-193:PH3		Good
12		DSC DEM	CND-129A	BP98478	JRC	1996	F-TA-193:PH3		Good
13		DSC MOD	CNM-159A	BP98507	JRC	1996	F-TA-193:PH3		Good
14		VHF DSC Modem (CH 70)	CNM-158A	BP98531	JRC	1996	F-TA-193:PH3		Good

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Site Name: Kupang

KPG-118- (7 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
15		FS Modem	CHF-12A	BP98405	JRC	1996	F-TA-193:PH3		Good
16		CPU IF	CDC-721A	BP98436	JRC	1996	F-TA-193:PH3		Good
17		Power Supply	NBA-3979C	BP98561	JRC	1996	F-TA-193:PH3		Good
1-4		VHF System							
1		VHF Console (1U Type)	NCA-798	BP98290	JRC	1996	F-TA-193:PH3		Good
2		VHF TX/RX (CH16) with Modem	JRV-500APM	BH20436	JRC	1996	F-TA-193:PH3		Error
3		VHF TX/RX (CH70) with Modem	JRV-500APM	BH20437	JRC	1996	F-TA-193:PH3		Error
4		VHF TX/RX (Multi 8 CH) with Mod.	JRV-500APM	BH20438	JRC	1996	F-TA-193:PH3		Error
5		VHF TX/RX (Multi 8 CH) with Mod.	JRV-500APM	BH20439	JRC	1996	F-TA-193:PH3		Error
6		Jack Panel	NQC-809	-	JRC	1996	F-TA-193:PH3		Good
7		Junction Box	NQD-3632	-	JRC	1996	F-TA-193:PH3		Good
8		Clock (+8H)	6HCED00074	-	JRC	1996	F-TA-193:PH3		Good
9		Power Supply	NBK-31	-	JRC	1996	F-TA-193:PH3		Good
10		VHF Controller	NCU-245-MR4	BP98621	JRC	1996	F-TA-193:PH3		Good
11		Modem for NCU-245-MR4 (4)	NCM-162	-	JRC	1996	F-TA-193:PH3		Damaged
12		Headset	NTR-3302	-	JRC	1996	F-TA-193:PH3		Good
13		Chair	-	-	JRC	1996	F-TA-193:PH3		Good
14		Foot Switch	SF-1	41-4604	JRC	1996	F-TA-193:PH3		Good
15		Modem for NCU-272-11 (4)	CNM-162	-	JRC	1996	F-TA-193:PH3		Good
16		Desk (4)	CD4-165	-	JRC	1996	F-TA-193:PH3		Good
17		Duplexer	AW-158YB	950713	JRC	1996	F-TA-193:PH3		Good
18		Duplexer	AW-158YB	950715	JRC	1996	F-TA-193:PH3		Good
19		Duplexer	AW-158YB	950721	JRC	1996	F-TA-193:PH3		Good
20		Duplexer	AW-158YB	950722	JRC	1996	F-TA-193:PH3		Good
21		Band Pass Filter (for CH16)	AFED00007	-	JRC	1996	F-TA-193:PH3		Good
22		Coaxial Arrester	NYZ-150	95067	JRC	1996	F-TA-193:PH3		Good
23		Coaxial Arrester	NYZ-150	95068	JRC	1996	F-TA-193:PH3		Good
24		Coaxial Arrester	NYZ-150	95069	JRC	1996	F-TA-193:PH3		Good
25		Coaxial Arrester	NYZ-150	95070	JRC	1996	F-TA-193:PH3		Good
26		Coaxial Arrester	NYZ-400	84016	JRC	1996	F-TA-193:PH3		Good
27		VHF Transceiver Rack	GED-1250	BP98304	JRC	1996	F-TA-193:PH3		Good
28		RF Jack Panel	NQE-584R	-	JRC	1996	F-TA-193:PH3		Good
29		Junction Box	NQD-3640	-	JRC	1996	F-TA-193:PH3		Good

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Site Name: Kupang

KPG-118- (8 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
30		BPF	BP2C-1539	921227	JRC	1996	F-TA-193:PH3		Good
31		MDF	NQE-40A	-	JRC	1996	F-TA-193:PH3		Good
32		MDF	67FTE00007	-	JRC	1996	F-TA-193:PH3		Good
33		VHF 40W TR Ch 12,13,14,16,20,22	FM-450M	247644	Furuno	1989			Good
34		VHF 25W TR Ch.12,14,16	FM-150AT	5062	RFC	1979			Damaged
35		VHF 25W TR Ch.20,22	FM-150BT	1346	RFC	1980			Damaged
1-5		UHF/SHF Link							
1		Radio Relay	JUJ-440	EM11533	JRC	1985	F-TA-193:PH3		Good
2		Radio Relay	JUJ-440	EM11534	JRC	1985	F-TA-193:PH3		Good
3		Multiplex Eqpt. (12 Ch.)	JUV-5A	EP11839	JRC	1985	F-TA-193:PH3		Good
1-6		Receiver							
1		Receiver	R-7100	219	R.Holand	1972			Damaged
2		Receiver	R-7100	232	R.Holand	1972			Damaged
3		Receiver	NMR-1030	1085	JRC	1976			Damaged
4		Receiver	FRG-7700	1000147	Yaesu	1980			Damaged
5		Receiver	R-1120	307157	Sailor	1985			Damaged
6		Receiver	RC-501	-	Philips	1968			Damaged
2		Tower & Antenna System							
2-1		Tower & Mast							
		TX Station							
1		18mHx3 Self Supporting Tower	Square	-	-	-	F-TA-193:PH3		Good
2		30mH Self Supporting Tower	-	703514-11	JRC	1996	F-TA-193:PH3		Good
3		30mH Self Supporting Tower	-	703514-12	JRC	1996	F-TA-193:PH3		Good
4		30mH Self Supporting Tower	-	703514-13	JRC	1996	F-TA-193:PH3		Good
5		30mH Self Supporting Tower	-	703514-14	JRC	1996	F-TA-193:PH3		Good
6		20mH Guy Mast for	HW-330-3-2	-	-	1976			Good
7		20mH Guy Mast for	HD-220-1-2	-	-	1976			Good
8		Lightning Rod				1976			Good

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# INVENTORY

Site Name: Kupang

KPG-118- (9 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
2-2		Antenna System TX Station							
1		10D Guy Pole 3x	-	-	-	1976			Good
2		4W T Type Antenna 1x	-	-	-	1976			Good
3		Inverted L Type Antenna 3x	-	-	-	1976			Good
4		Single Doublet Antenna	-	-	-	1976			Good
5		Brown Cadiode Antenna	BRC-1511	-	JRC	1996	F-TA-193:PH3		Good
6		T Type Antenna	CT-046M	-	JRC	1996	F-TA-193:PH3		Good
7		Inverted "L" Antenna (2)	CL-045M	-	JRC	1996	F-TA-193:PH3		Good
8		Broad Band H Antenna	HW330-3-2	-	JRC	1996	F-TA-193:PH3		Good
9		Broad Band H Antenna	HD220-1-2	-	JRC	1996	F-TA-193:PH3		Good
10		Cone Antenna RX Station	CV430F1	-	JRC	1996	F-TA-193:PH3		Good
1		Broad Band H Antenna	HD-220-1-1	0895	JRC	1996	F-TA-193:PH3		Good
2		Inverted "L" Antenna (2)	CL-045M	-	JRC	1996	F-TA-193:PH3		Good
3		Broad Band H Antenna Antenna Switch	HD220-1-2	-	JRC	1996	F-TA-193:PH3		Good
2-3		Antenna Matrix Switch	NKZ-61	BP12177	JRC	1996	F-TA-193:PH3		Good
2		Antenna Switch Rack	GED-1116MA	BP98656	JRC	1996	F-TA-193:PH3		Good
3		AMU & Cahanger	NCJ-628	BP99814	JRC	1996	F-TA-193:PH3		Good
4		Junction Box	NQD-3663	-	JRC	1996	F-TA-193:PH3		Good
5		MF Antenna Exchanger Antenna Selector	NKZ-223A	BP99948	JRC	1996	F-TA-193:PH3		Good
6		Telecontroller (for AMS)	NCH-391	BP98659	JRC	1996	F-TA-193:PH3		Good
7		Antenna Multicoupler	NAJ-110A	BC19369	JRC	1996	F-TA-193:PH3		Good
8		Antenna Multicoupler	NAJ-110A	BC19370	JRC	1996	F-TA-193:PH3		Good
9		Antenna Multicoupler	NAJ-110A	BC19371	JRC	1996	F-TA-193:PH3		Good
10		Low Pass Filter	CFJ-12	BC19345	JRC	1996	F-TA-193:PH3		Good
11		1600kHz High Pass Filter	CFK-2	BC19355	JRC	1996	F-TA-193:PH3		Good
12		1600kHz High Pass Filter	CFK-2	BC19356	JRC	1996	F-TA-193:PH3		Good
13		Antenna Changer (for RX)	NQA-80B	BC19336	JRC	1996	F-TA-193:PH3		Good
14		Antenna Changer (for RX)	NQA-80B	BC19337	JRC	1996	F-TA-193:PH3		Good
15		Antenna Changer (for RX)	NQA-80B	BC19338	JRC	1996	F-TA-193:PH3		Good
16		Antenna Changer (for RX)	NQA-80B	BC19339	JRC	1996	F-TA-193:PH3		Good

Kupang

# INVENTORY

Site Name: Kupang

KPG-118- (10 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
17		Antenna Changer (for RX)	NQA-80B	BC19340	JRC	1996	F-TA-193:PH3		Good
18		Power Supply (for 80B, +24V)	NBA-80	BP10863	JRC	1996	F-TA-193:PH3		Good
19		Antenna Multicoupler Rack	GID-215A	BP28697	JRC	1996	F-TA-193:PH3		Good
2-3		Antenna Matching Unit							
1		TX AMU for I/L (for DSC)	NFG-140A	BP98602	JRC	1996	F-TA-193:PH3		Good
2		TX AMU for I/L (for NBDP)	NFG-140A	BP98603	JRC	1996	F-TA-193:PH3		Good
3		RX AMU (for I/L)	AW-314M	31095	JRC	1996	F-TA-193:PH3		Good
4		RX AMU (for I/L)	AW-314M	51095	JRC	1996	F-TA-193:PH3		Good
5		TX AMU (for T Type)	NFG-3DA	BP98694	JRC	1996	F-TA-193:PH3		Good
6		Matching Unit Control (for MF)	NCM-134F	BP99952	JRC	1996	F-TA-193:PH3		Good
7		Balun	CB-4K/300	70795	JRC	1996	F-TA-193:PH3		Good
8		Balun	CB-4K/300	10795	JRC	1996	F-TA-193:PH3		Good
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		PDB (3 Sets)							Good
2		Type TA1 (for TX) 380V, 3P	NBJ-402TA1	BP98354	JRC	1996	F-TA-193:PH3		Good
3		Type RA1 (for RX) 220V, 1P	NBJ-402RA1	BP98324	JRC	1996	F-TA-193:PH3		Good
4		Type RB (for RX) 220V, 1P	NBJ-402RB	BP98336	JRC	1996	F-TA-193:PH3		Good
3-2		Isolation Transformer							Good
1		40kVA, 380V, 3P	NBL-227C	BP99810	JRC	1996	F-TA-193:PH3		Good
2		5kVA, 220V, 1P	NBL-227F	BP99811	JRC	1996	F-TA-193:PH3		Good
3-3		Step-Up Transformer							Good
1		Transformer			Holand	1972			Damaged
3-4		UPS & AVR System							one damaged
1		AVR (2 Sets)	AR-1030A		Sumura	-			Good
2		DC Power Supply	CA-1010S	247644	Carlton	-			Damaged
3		Battery Charger	DK-5	45242		-			Damaged
4		Battery Charger	SM-245	TLX008		-			Good
5		40kVA, 380V, 3P AVR	NBK-102B	BP99782		1996	F-TA-193:PH3		Good
6		5kVA, 220V, 1P AVR	NBK-102C	BP99784		1996	F-TA-193:PH3		Good
7		2kVA, 220V, 1P UPS Net Pro 2000	NP20A04	9605A014		1996	F-TA-193:PH3		Damaged
8		1kVA, 220V, 1P UPS MICRO110	NP20A04	9609A010		1996	F-TA-193:PH3		Damaged

Kupang

# INVENTORY

Site Name: Kupang

KPG-118- (11 / 11)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3-5		Engine Generator							
1		Engine	1-S-108	6768	Samofa	1972			Damaged
2		Engine	1-S-108	6769	Samofa	1972			Damaged
3		Engine (2x)	BSD-CID/444	514247/51905	Kubota	1996	F-TA-193:PH3		Good
4		Engine (2x)	3TNC-18E-GI	17407/17406	Kubota	1996	F-TA-193:PH3		Good
5		Generator 7.5 kVA	GP	48976	BKB	1972			Damaged
6		Generator 7.5 kVA	GP	48977	BKB	1972			Damaged
7		Generator 40kVA	UC1-224C14	13F01422KV	St.Ford	1996	F-TA-193:PH3		Good
8		Generator 40kVA	UC1-224C14	13F01522KV	St.Ford	1996	F-TA-193:PH3		Good
9		Generator 7.5kVA	UC1-164B26	SA623/20	St.Ford	1996	F-TA-193:PH3		Good
10		Generator 7.5kVA	UC1-164B26	SA686/5	St.Ford	1996	F-TA-193:PH3		Good
4		<b>Measuring Equipment</b>							
1		Digital Counter	LDC-824	-	Leader	-			Damaged
2		AF Signal Generator	FM-5162	-	Phillips	1972			Damaged
3		Megger Tester	-	-	F & Z	1972			Damaged
4		Transistor Tester	Semi Tester	-	Grundig	1972			Damaged
5		Grip Dip Meter	RF-159	-	Edison	1972			Damaged
5		<b>Others</b>							
1		Radio Terminal	3522144	2908/502	Philips	1972			Damaged
2		Modem Tor	TT-1585	853430	F & Z	1985			Damaged
3		Keyboard Processor	TT-1005	855373	F & Z	1985			Damaged
4		Character Disp	JR-12001	4000913	NEC	1985			Damaged
5		Printer	CO-5202	267118	Microline	1985			Damaged
6		Air Conditioner (2 Sets)	SN-120S	-	National	1985			one damaged
7		Air Conditioner (2 Sets)	230/208	-	Carrier	1972			Damaged

# STATUS OF TROUBLES

SITE NAME : KUPANG

KPG-118-(1/1)

Item / Equipment	AMF (Automotoc Main Fault) / -		
Manufacturer	-		
Manufacturer in year	1996		
Defective panel / unit	Automatic Module		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input 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>			
<p>If AMF not urgently repaired, the results that if there is no PLN/Power for about 0.10 second, transmitter will be damaged, and if the input voltage only 2 phase, also it will be damaged.</p> <p>We request to change by AMF made in JRC, because the availability is made by Bimantara Group (Home Industry).</p>			



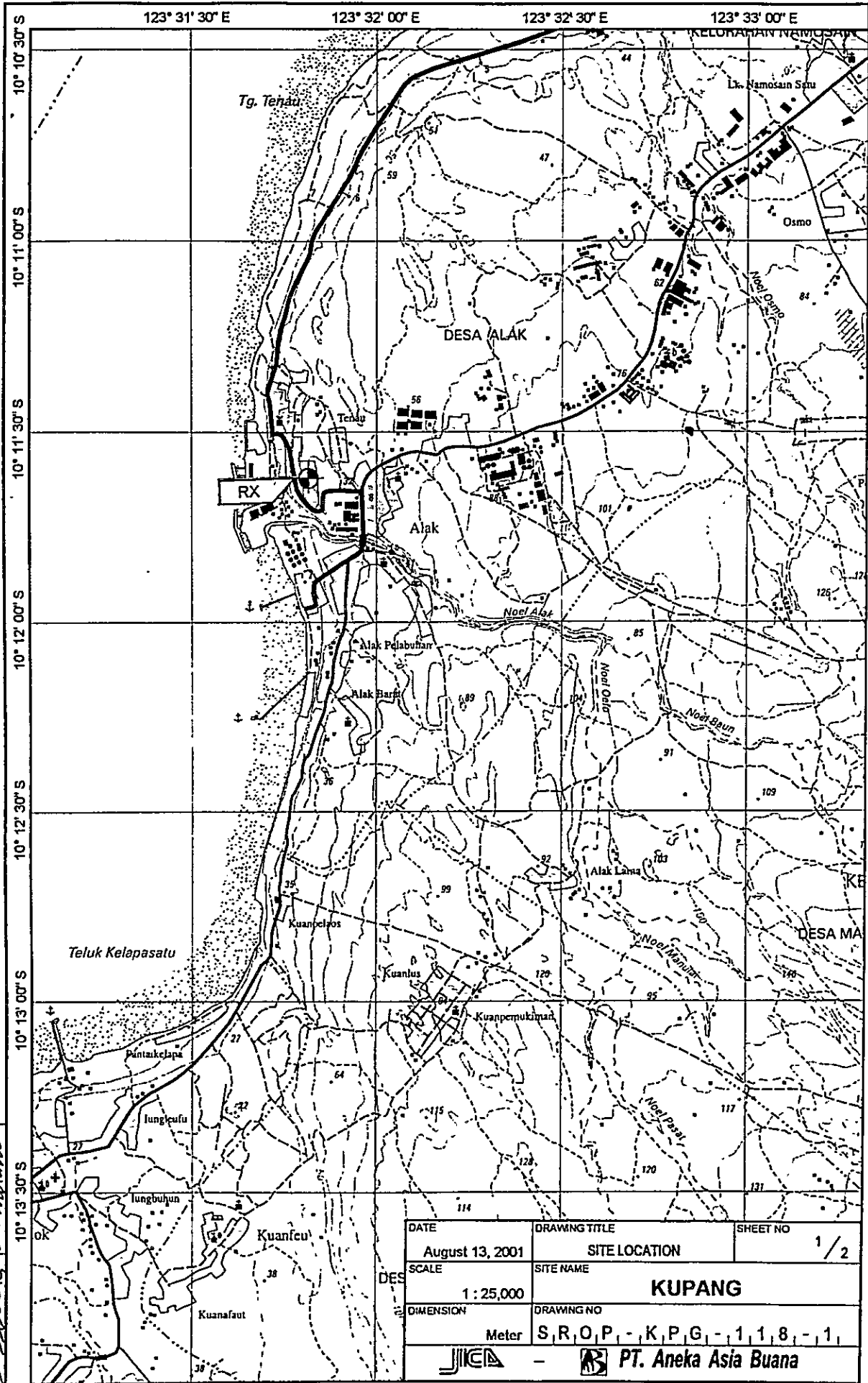
# OPERATION SCHEDULE (FREQUENCIES)

Site Name: Kupang

KPG-118-(1/1)

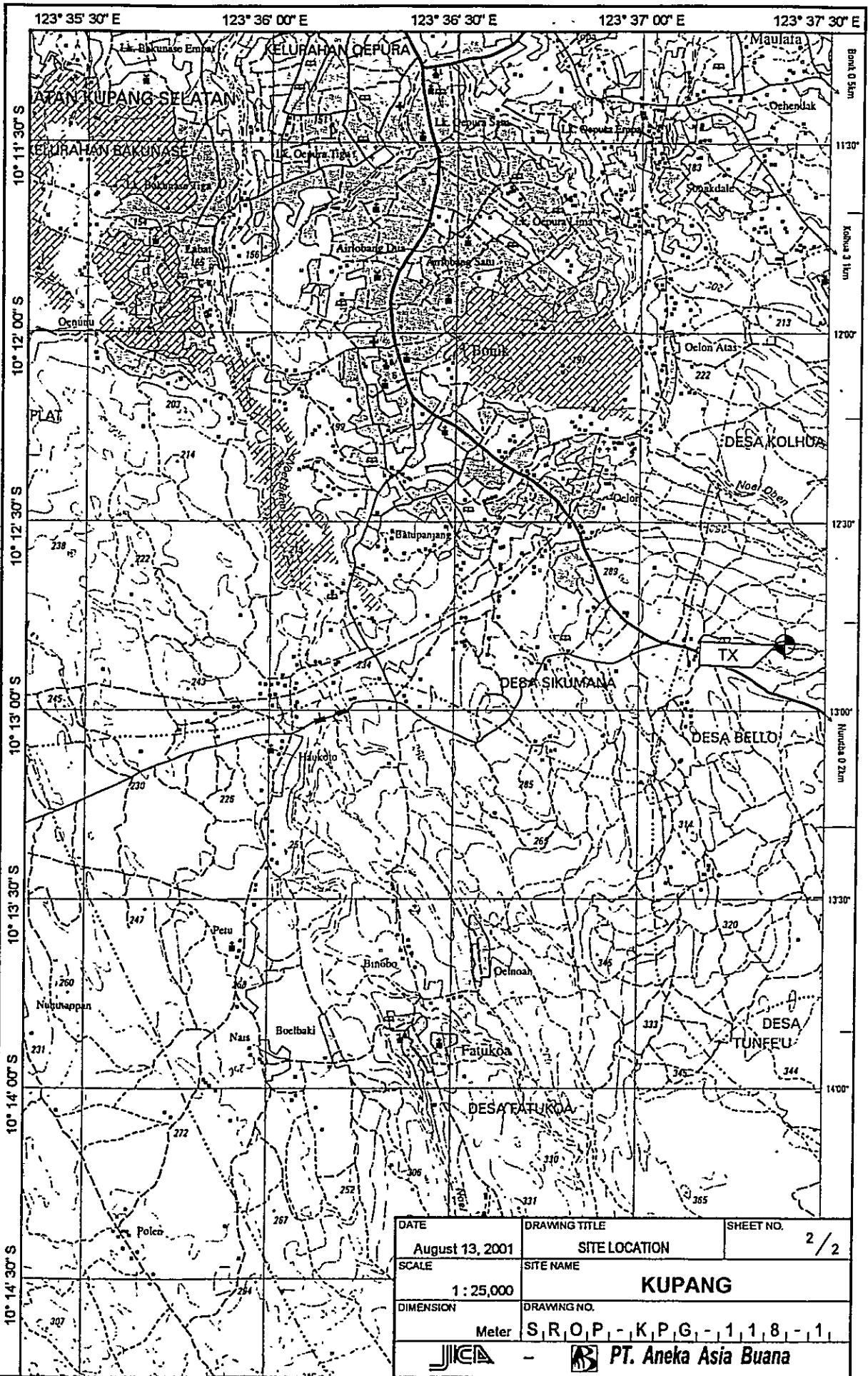
Call Sign : Mobile Service : PKK  
Fix Service :

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	A1A	250																											
2	A1A	250																											
3	A1A	1000																											
4	F1B	500																											
5	F1B	500																											
6	F1B	500																											
7	F1B	500																											
8	F1B	500																											
9	F1B	500																											
10	F1B	500																											
11	F1B	500																											
12	J3E	500																											
13	J3E	500																											
14	J3E	500																											
15	J3E	500																											
16	J3E	500																											
17	J3E	500																											
VHF Service																													
18	G2B	50																											
19	G3B	50																											
20	G3E	50																											
21	G3E	50																											
22	G3E	50																											
23	G3E	50																											
24																													
25																													



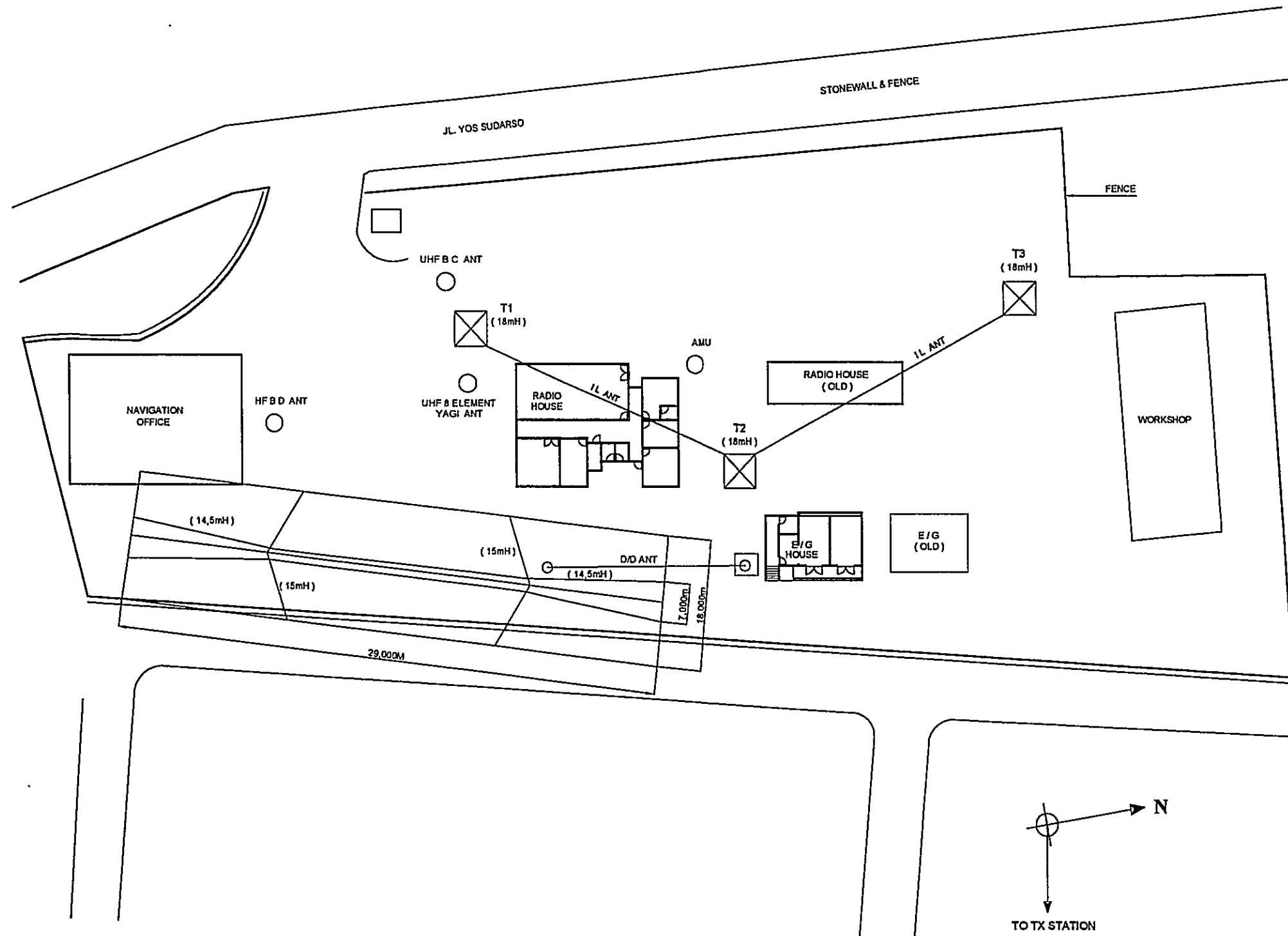
APPROVED BY JICA  
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
August 13, 2001	SITE LOCATION	1/2
SCALE	SITE NAME	
1 : 25,000	KUPANG	
DIMENSION	DRAWING NO	
Meter	S.R.O.P. - K.P.G. - 118 - 1	



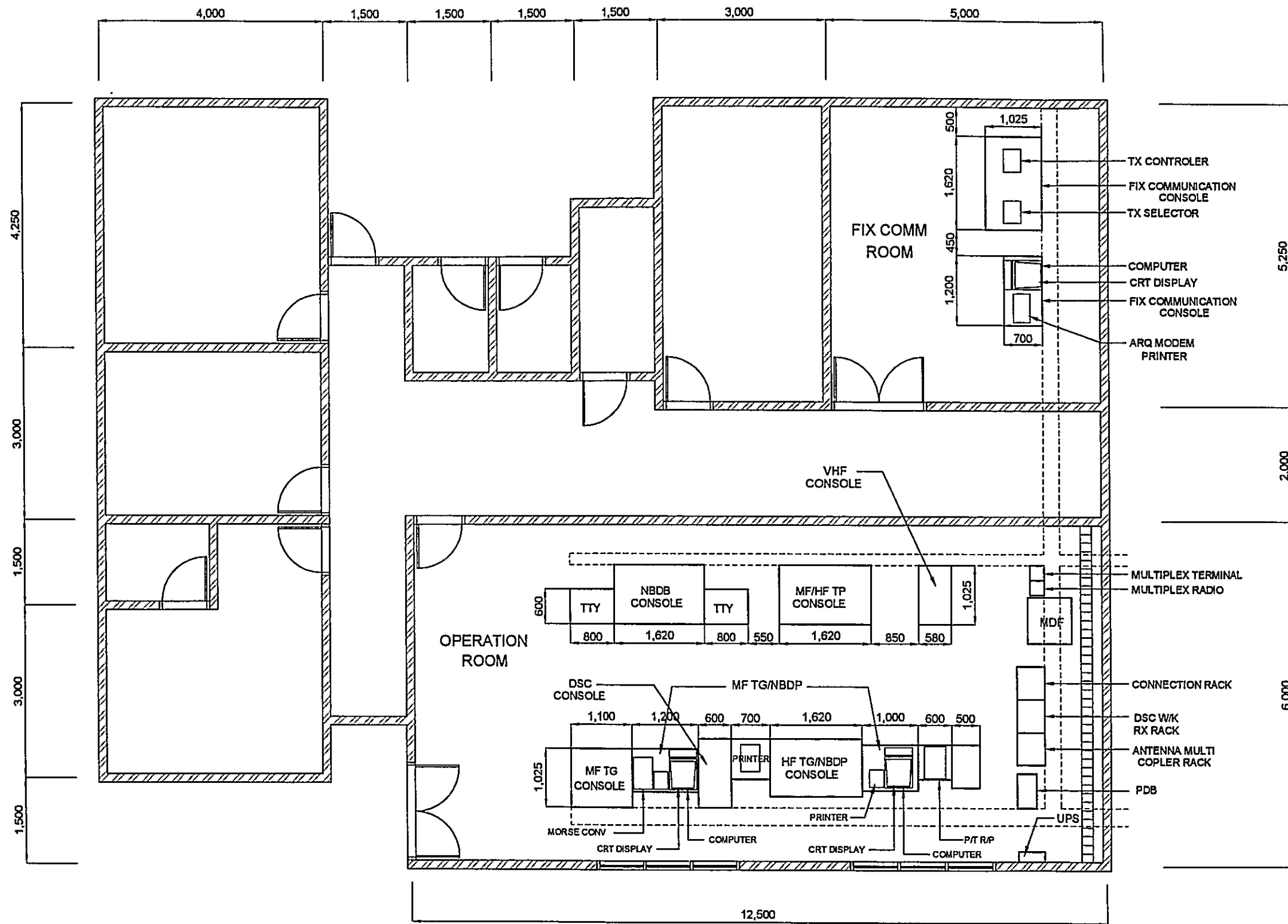
DRAWN BY: *[Signature]*  
 APPROVED BY: *[Signature]*  
 JICA

DATE	DRAWING TITLE	SHEET NO.
August 13, 2001	SITE LOCATION	2/2
SCALE	SITE NAME	
1 : 25,000	KUPANG	
DIMENSION	DRAWING NO.	
Meter	S R O P - K P G - 1 1 8 - 1	



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

DATE July 03, 2001	DRAWING TITLE ANTENNA LAYOUT FOR RX STATION	SHEET NO. 1/1
SCALE 1 : 100	SITE NAME <b>KUPANG</b>	
DIMENSION Millimeter	DRAWING NO. S, R, O, P, -, K, P, G, -, 1, 1, 8, -, 2, R	

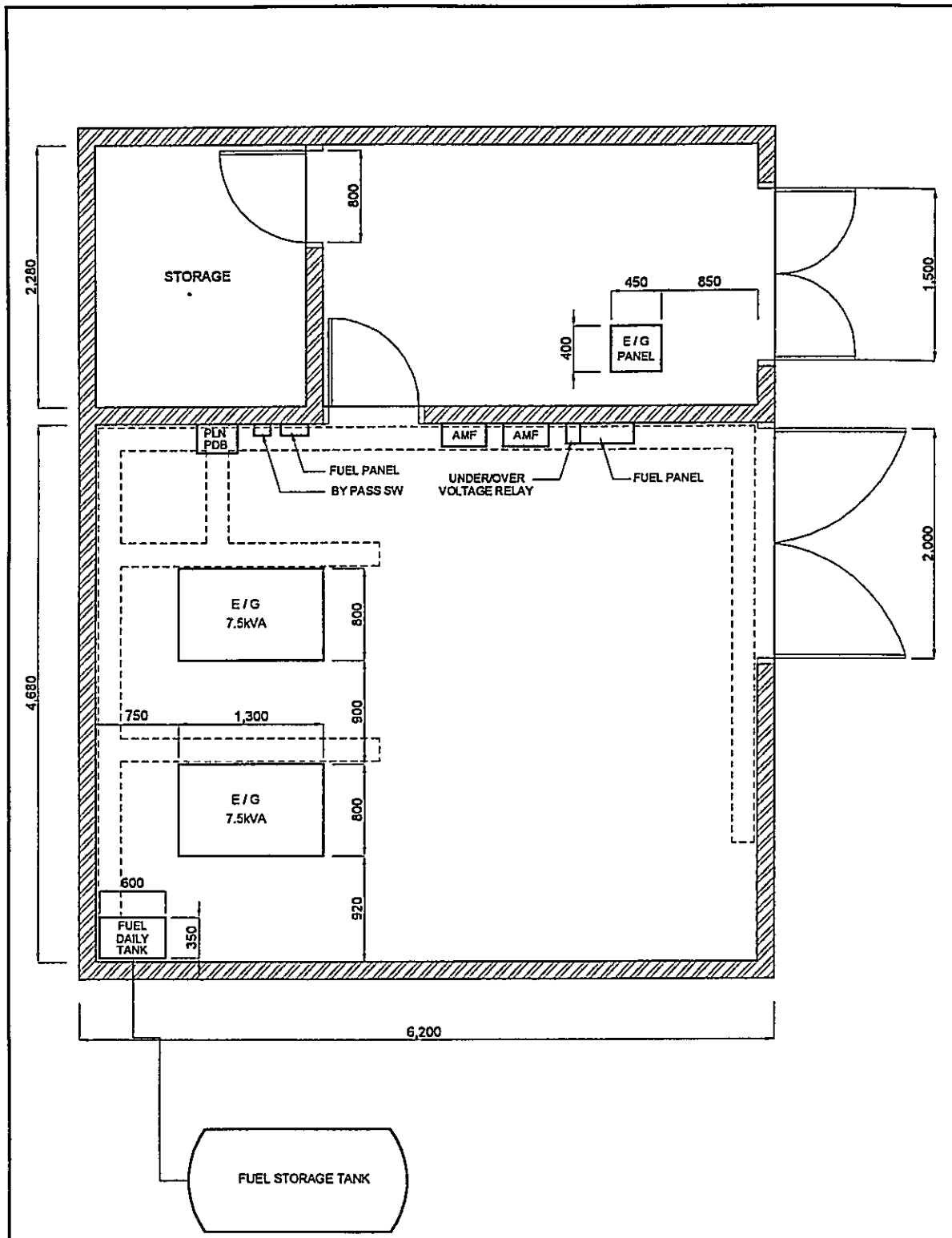


**LEGEND**

- |  |                                     |
|--|-------------------------------------|
| CRT : CATHOD RAY TUBE                  | P/T R/P : PAPER TAPE READER/PANCHER |
| DSC : DIGITAL SELECTIVE CALLING        | RX : RECEIVER (ING)                 |
| HF : HIGH FREQUENCY                    | TG : TELEGRAPHY                     |
| MF : MEDIUM FREQUENCY                  | TP : TELEPHONY                      |
| MDF : MAIN DISTRIBUTION FRAME          | TX : TRASMITTER (ING)               |
| NBDP : NARROW - BAND DIRECT - PRINTING | UPS : UNINTERRUPTED POWER SUPPLY    |
| PDB : POWER DISTRIBUTION BOARD         |                                     |

DATE July 03, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT FOR RX STATION	SHEET NO. 1/1
SCALE 1 : 75	SITE NAME <b>KUPANG</b>	
DIMENSION Millimeter	DRAWING NO. S, R, O, P, -, K, P, G, -, 1, 1, 8, -, 3, R	
-		

DRAWN BY AAB:   
 APPROVED BY JICA:



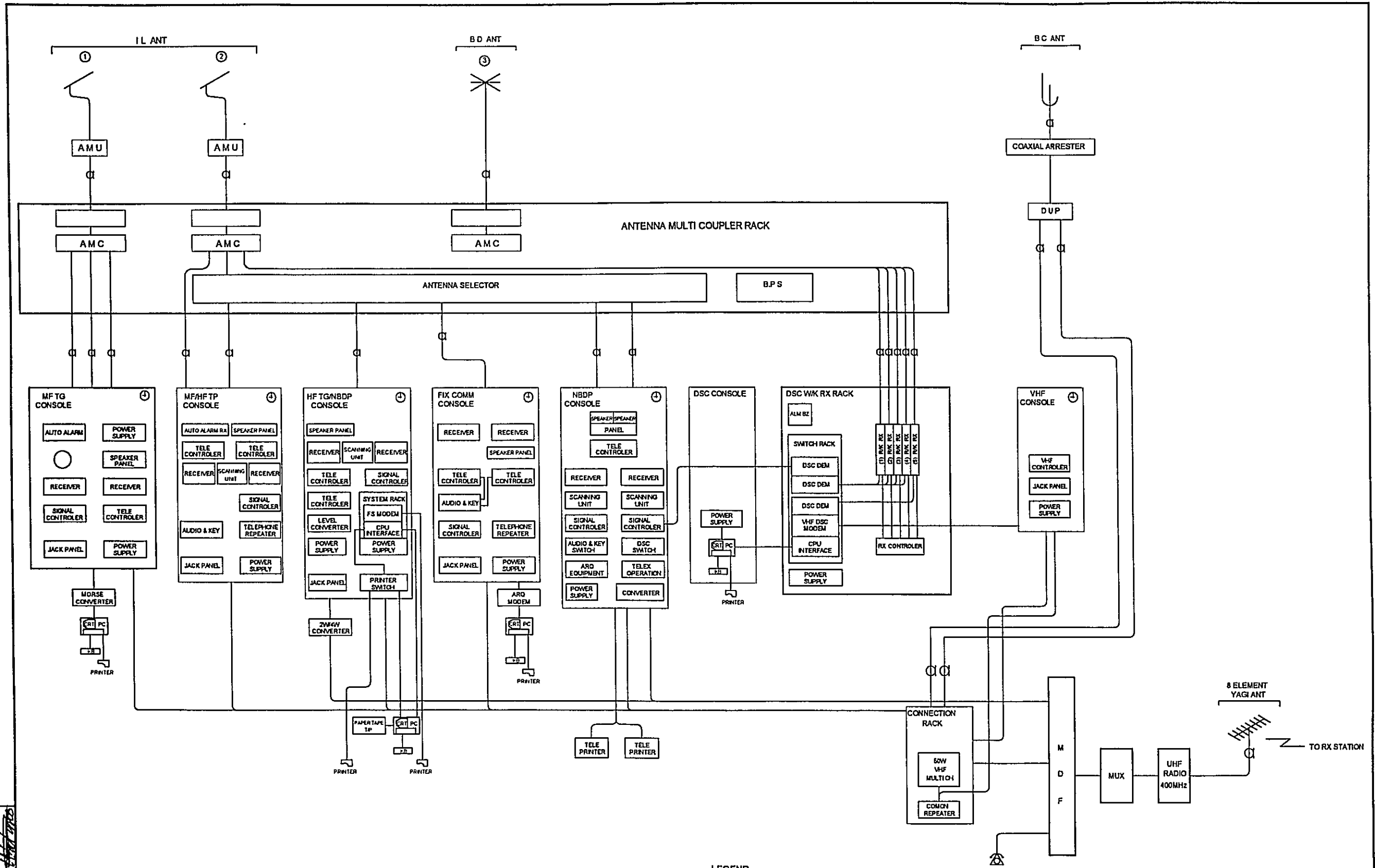
DRAWN BY AAB  
 APPROVED BY JICA:

**LEGEND**

E/G : ENGINE GENERATOR  
 KVA : KILO VOLT AMPERE  
 PDB : POWER DISTRIBUTION BOARD

DATE July 03, 2001	DRAWING TITLE E/G FLOOR LAYOUT FOR RX STATION	SHEET NO. 1 / 1
SCALE 1 : 50	SITE NAME <b>KUPANG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, K, P, G, -, 1, 1, 8, -, 4, R	
-  PT. Aneka Asia Buana		





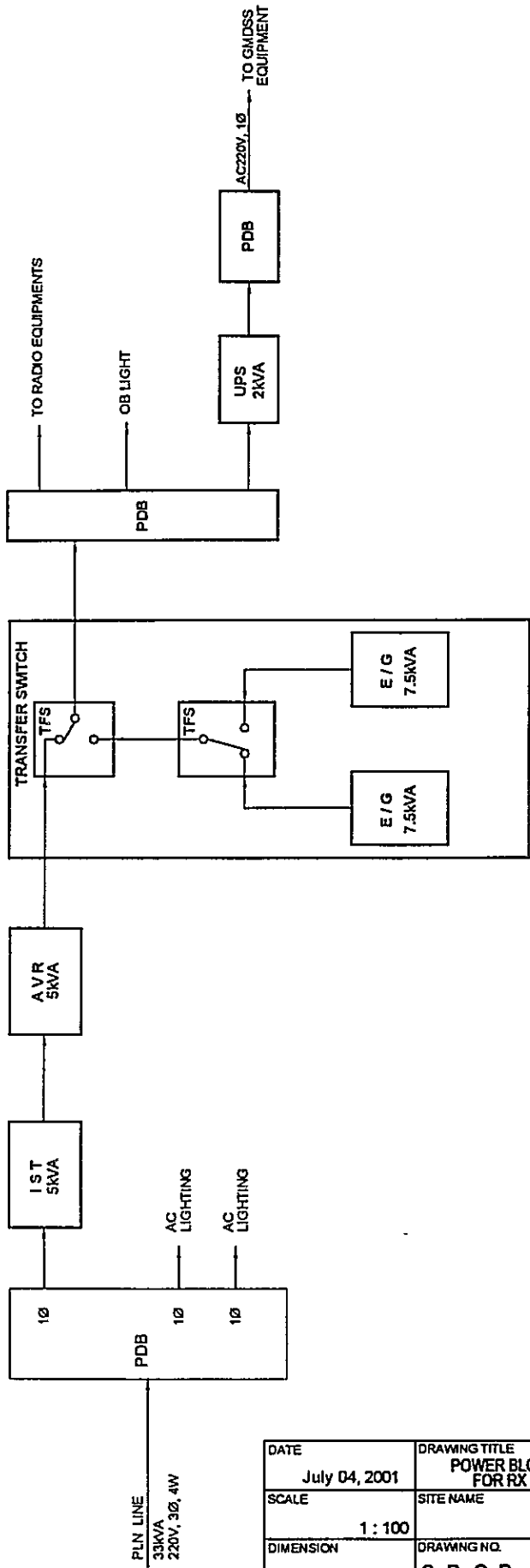
DRAWN BY AAB  
 APPROVED BY JICA: *[Signature]*

- LEGEND**
- ANT. : ANTENNA
  - AMU : ANTENNA MATCHING UNIT
  - B/T : BALUNS TRANS
  - HF : HIGH FREQUENCY
  - 1L : INVERTED - L
  - LCU : LOADING COIL UNIT
  - MDF : MAIN DISTRIBUTION FRAME
  - MF : MEDIUM FREQUENCY
  - MUX : MATCHING TERMINAL UNIT
  - M/D : MULTY DOUBLET
  - S/D : SINGLE DOUBLET
  - TX : TRANSMITTER

DATE July 04, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM FOR RX STATION	SHEET NO. 1/1
SCALE No Scale	SITE NAME <b>KUPANG</b>	
DIMENSION Millimeter	DRAWING NO. S.R.O.P. - K.P.G. - 1.1.8 - 5.R	
-		



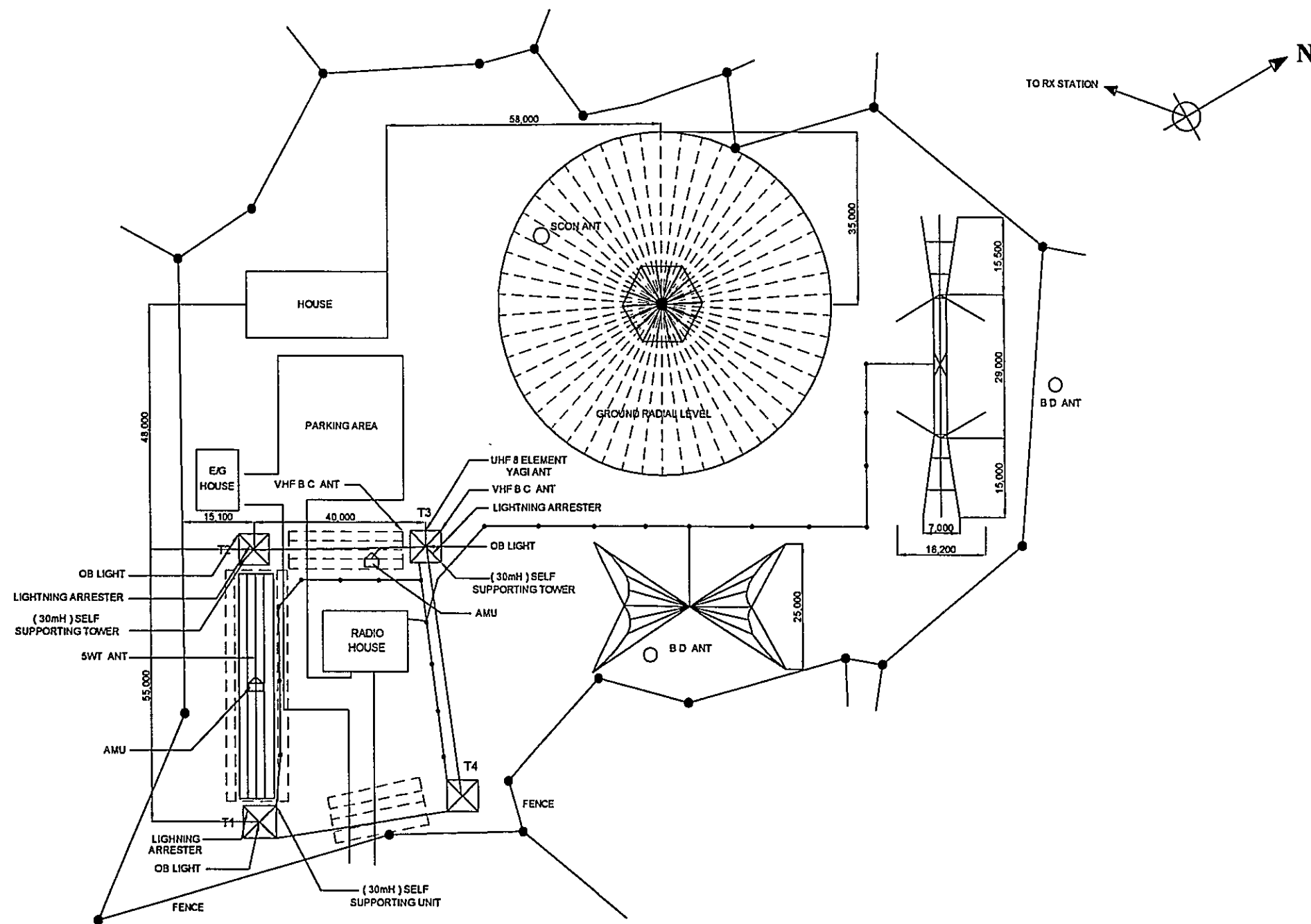
DRAWN BY AAB  
 APPROVED BY JICA  
*[Signature]*



- LEGEND**
- AC · ALTERNATING CURRENT
  - AVR · AUTOMATIC VOLTAGE REGULATOR
  - E/G · ENGINE GENERATOR
  - IST · ISOLATION TRANSFORMER
  - kVA · KILO VOLT AMPERE
  - PDB · POWER DISTRIBUTION BOARD
  - TFS · TRANSFER SWITCH
  - TRX · TRANSCIEVER (ING)

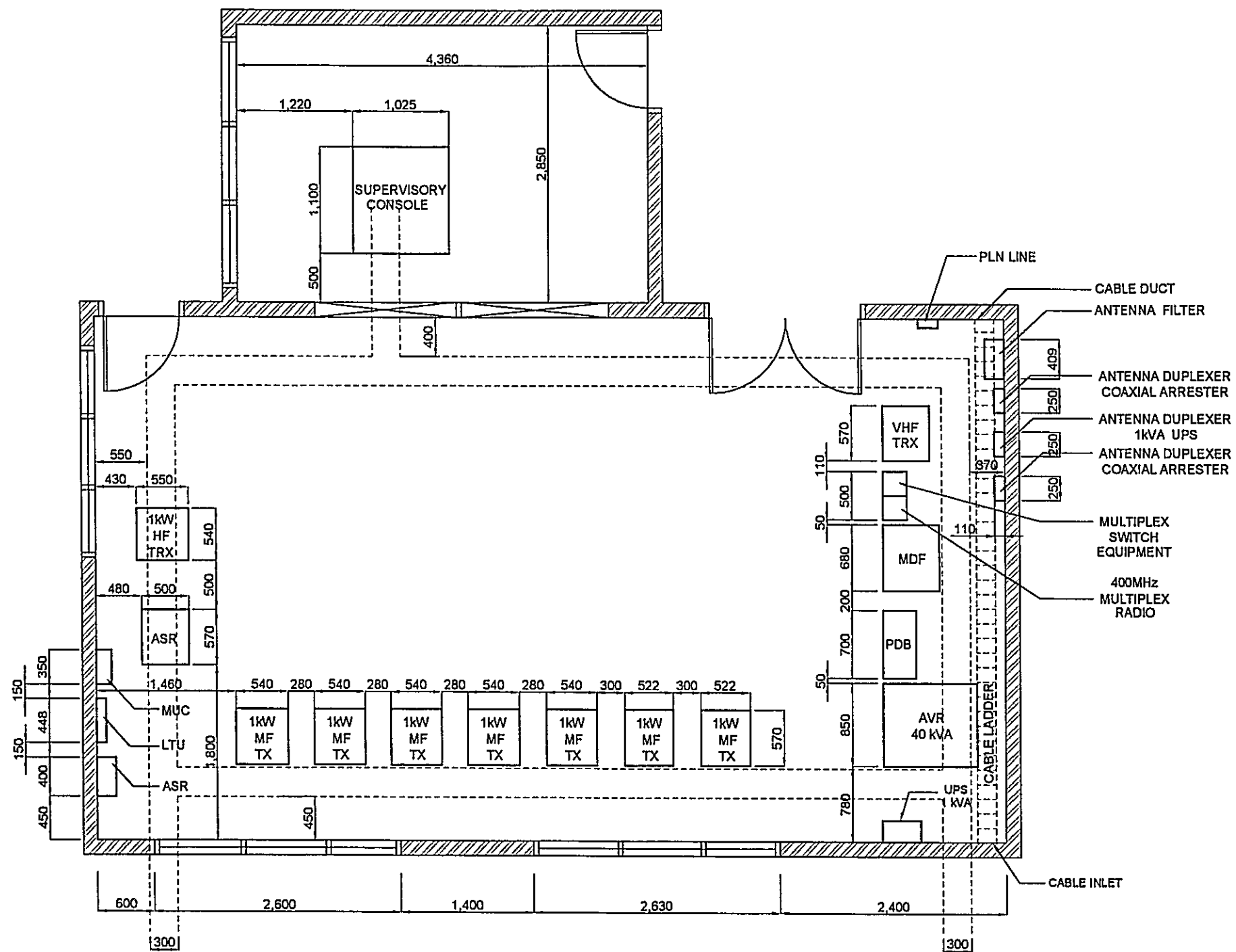
DATE July 04, 2001	DRAWING TITLE POWER BLOCK DIAGRAM FOR RX STATION	SHEET NO 1 / 1
SCALE 1 : 100	SITE NAME <b>KUPANG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - K, P, G, - 1, 1, 8, - 6, R	
-		





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

DATE	July 03, 2001	DRAWING TITLE	ANTENNA LAYOUT FOR TX STATION	SHEET NO.	1/1
SCALE	1:100	SITE NAME	KUPANG		
DIMENSION	Millimeter	DRAWING NO	S, R, O, P, - K, P, G, - 1, 1, 8, - 2, T		
		-  PT. Aneka Asia Buana			

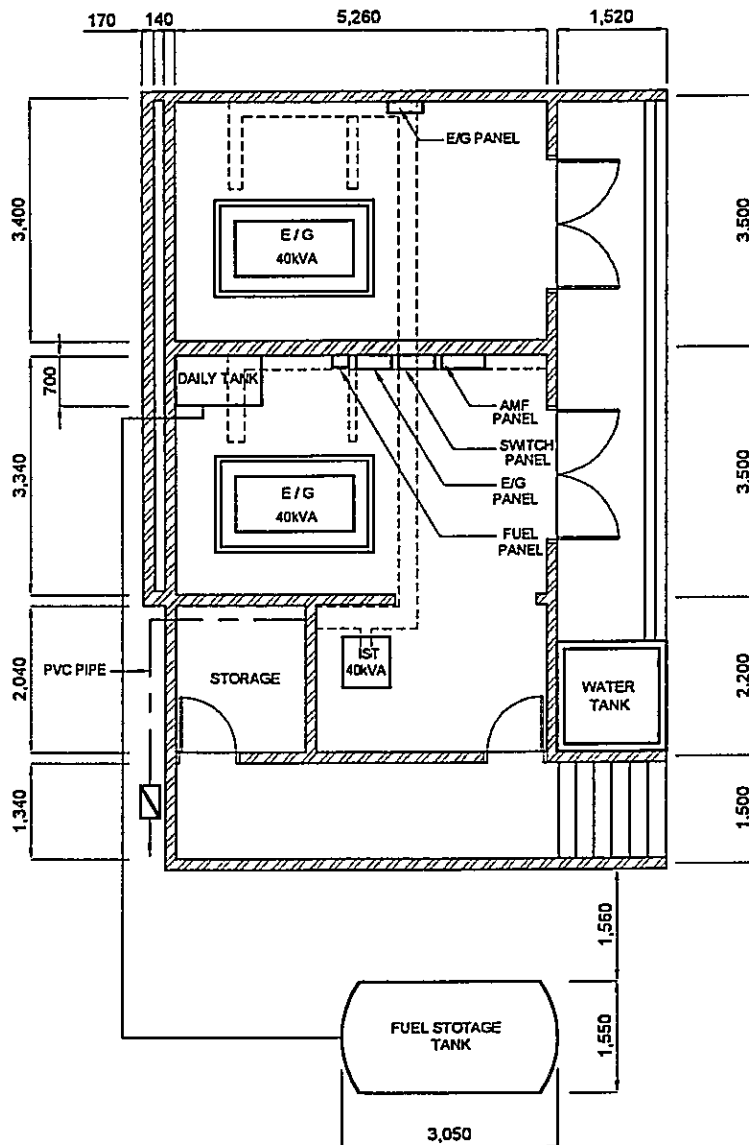


**LEGEND**

- |     |                               |     |                            |
|-----|-------------------------------|-----|----------------------------|
| ASR | : ANTENNA SWITCH RACK         | PDB | : POWER DISTRIBUTION BOARD |
| AVR | : AUTOMATIC VOLTAGE REGULATOR | TRX | : TRANSCIVER (ING)         |
| HF  | : HIGH FREQUENCY              | TX  | : TRANSMITTER (ING)        |
| LTU | : LOCAL TERMINAL UNIT         |     |                            |
| MF  | : MEDIUM FREQUENCY            |     |                            |
| MDF | : MAIN DISTRIBUTION FRAME     |     |                            |
| MUC | : MATCHING UNIT CONTROL       |     |                            |

DATE July 03, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT FOR TX STATION	SHEET NO. 1 / 1
SCALE 1 : 100	SITE NAME <b>KUPANG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - K, P, G, - 1, 1, 8, - 3, T	

DRAWN BY AAB - APPROVED BY JICA:



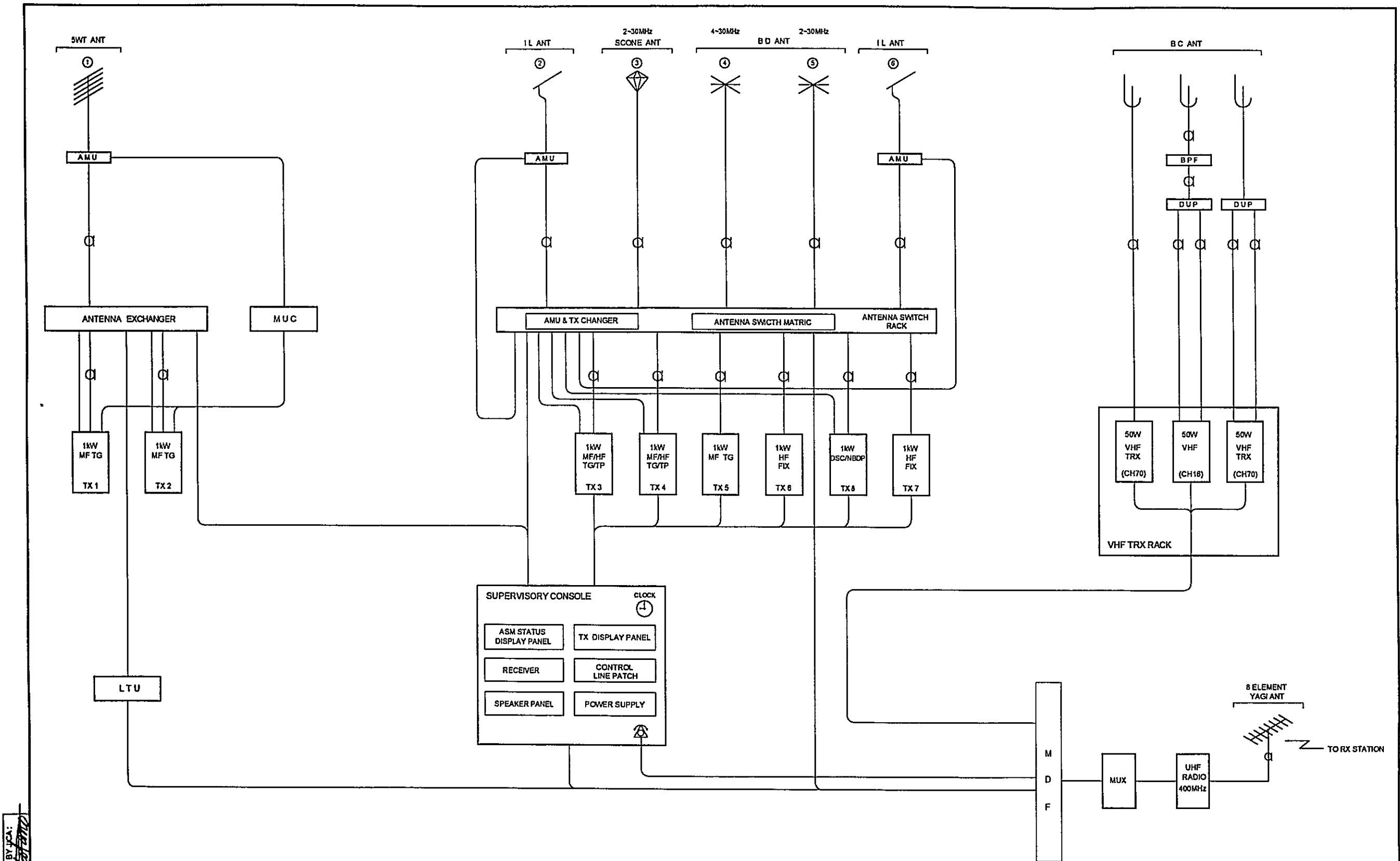
**LEGEND**

- E/G . ENGINE GENERATOR
- IST ISOLATION TRANSFORMER
- KVA KILO VOLT AMPERE

DATE July 03, 2001	DRAWING TITLE E/G FLOOR LAYOUT FOR TX STATION	SHEET NO 1/1
SCALE 1 : 100	SITE NAME <b>KUPANG</b>	
DIMENSION Millimeter	DRAWING NO. S, R, O, P, -, K, P, G, -, 1, 1, 8, -, 4, T	
-  PT. Aneka Asia Buana		

APPROVED BY JICA  
  
 DRAWN BY AAB





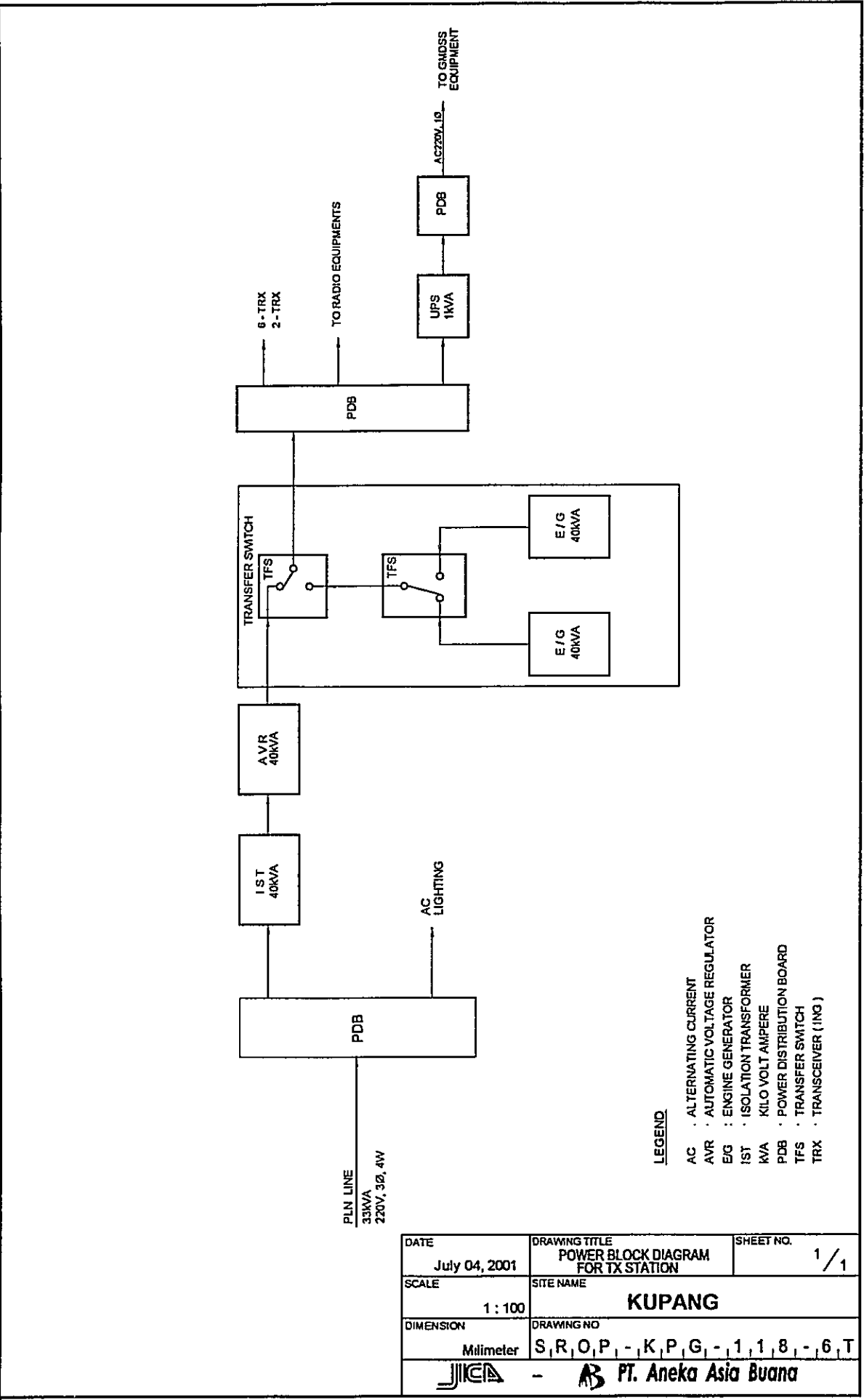
**LEGEND**

- |                                 |  |                           |
|---------------------------------|--|---------------------------|
| ANT : ANTENNA                   | HF : HIGH FREQUENCY                    | SCONE : SINGLE COONE      |
| AMU : ANTENNA MATCHING UNIT     | IL : INVERTED L                        | TG : TELEGRAPHY           |
| BC : BROWN CARDIOID             | LTU : LOCAL TERMINAL UNIT              | TP : TELEPHONY            |
| BD : BROADBAND DIPOLE           | MF : MEDIUM FREQUENCY                  | TRX : TRANSCIVER (ING)    |
| BPF : BAND PASS FILTER          | MUC : MACHING UNIT CONTROL             | TX : TRANSMITTER (ING)    |
| DUP : DUPLEXER                  | MUX : MULTIPLEXER                      | VHF : VERY HIGH FREQUENCY |
| DSC : DIGITAL SELECTIVE CALLING | NBDP : NARROW - BAND DIRECT - PRINTING | WT : WIRE T TYPE          |

DATE July 04, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM FOR TX STATION	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>KUPANG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, K, P, G, -, 1, 1, 8, -, 5, T	

DRAWN BY: A.B. APPROVED BY: J.C.A.

DRAWN BY MAB. 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
  - TFS · TRANSFER SWITCH
  - TRX · TRANSCIEVER (ING)

DATE July 04, 2001	DRAWING TITLE POWER BLOCK DIAGRAM FOR TX STATION	SHEET NO. 1 / 1
SCALE 1 : 100	SITE NAME <b>KUPANG</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, K, P, G, -, 1, 1, 8, -, 6, T	
-		



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

**3rd Class Coast Station  
Ex Dilli  
(Coast Station No. 119)**

## **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**

<b>SUMMARY OF COAST STATION</b>	SITE	Ex Dilli		
	CLASS	NO.	119	

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				° ' "	° ' "

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<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 type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> <input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<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 type="checkbox"/> <input checked="" type="checkbox"/> Lightning system
Altitude	M	Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	m <sup>2</sup>	<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	Voltage V	V	Good Bad
Structure	Phase		<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System
Type of roof	Wire		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G
Type of ceiling	kVA		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR
Type of wall	Quality of PLN source		Capacity of fuel for engine
Wall finish	Fluctuations	V ± %	Day tank Liter
Flooring	Availability of power per day	Hours	Main tank k Liter
Room Area (m <sup>2</sup> )	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			

4. OPERATION AND MAINTENANCE	5. PERSONNEL FORMATIONS
Actions taken in equipment failure	
Restoration flow	Chief
Examples of major failure	Operator (skilled)      0      0
Sufficiency of spares	Technician (skilled)      0      0
Records of damages	Administrator
<input type="checkbox"/> Heavy rainfall	Good Bad
<input type="checkbox"/> Storm	<input checked="" type="checkbox"/> <input type="checkbox"/> External noises
<input type="checkbox"/> Lightning	<input checked="" type="checkbox"/> <input type="checkbox"/> Air pollution
<input type="checkbox"/> Other calamity	
Institutional and Human Statures	
1 Budget	<input type="checkbox"/> Sufficient <input type="checkbox"/> Reasonable <input type="checkbox"/> Insufficient
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
Training Record	
	Course    Class    Location    Period    Trainee

<b>SUMMARY OF COAST STATION</b>	SITE	Ex Dilli		
	CLASS		NO.	119

<b>6. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
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			

<b>7. COMMENTS</b>	
Suggestion	
Remarks	

# INVENTORY

Site Name: Dilli

DLI-119: (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
<h1>Independent</h1>									

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

**4th-A Class Coast Station  
Ende  
(Coast Station No. 120)**

## **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**

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>ENDE</b>		
	<b>CLASS</b>	4th-A	<b>NO.</b>	120

<b>1. LOCATION</b>					
<b>Station</b>	<b>Address</b>	<b>Tel.</b>	<b>Fax</b>	<b>Longitude</b>	<b>Latitude</b>
TX/RX	Jl. Bakti No. 1	0381-22397		121° 38' 38" E	08° 50' 20" N

<b>2. GENERAL CONDITIONS</b>					
<b>Moving from Jakarta</b>		<b>Site Access from Port</b>	<b>Road Traffic</b>	<b>Accommodation</b>	<b>Population</b>
By Air	to Kupang [Taking time: 3 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Ende [Taking time: 8 hr]	<input checked="" 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		

<b>3. CONDITIONS OF STATION</b>	Refer to attached drawing
---------------------------------	---------------------------

<b>3.1 Site Conditions</b>					
<b>Topography</b>	<b>Nature of Soil</b>		<b>Past disaster of site</b>	<b>Confirmation of existing system</b>	
<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
<b>Altitude</b>	20.00 M		<b>Telephone Lines</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
<b>Land area</b>	552.00 m <sup>2</sup>		<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water

<b>3.2 Building Conditions</b>			<b>3.3 Power Source</b>		
<b>Constructions</b>		<b>PLN Source</b>	<b>E/G</b>	<b>Existing Power Conditions</b>	
Num of story	One	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	Board	kVA	0.9	<input type="checkbox"/>	<input type="checkbox"/> Operations of AVR
Type of wall	Brick	<b>Quality of PLN source</b>		<b>Capacity of fuel for engine</b>	
Wall finish	Mortar	Fluctuations	5 V ± %		Day tank
Flooring	Tile	Availability of power per day	24 Hours	Main tank	Liter
<b>Room Area (m<sup>2</sup>)</b>		<b>Power interruption /month</b>		<b>E/G Stand-by System</b>	
Operation room	13.50	6 Times		<input type="checkbox"/> Single System	
E / G room	12.00	12 Hours		<input type="checkbox"/> Dual System	
<b>Max. interpt. hours at once</b>		3 Hours			
<b>Remark</b>					

<b>4. OPERATION AND MAINTENANCE</b>				<b>5. PERSONNEL FORMATIONS</b>				
<b>Actions taken in equipment failure</b>							<b>TX/RX</b>	
Restoration flow	Radio equipment position is off			Chief			1	
Examples of major failure				Operator (skilled)			0	0
Sufficiency of spares				Technician (skilled)			0	0
<b>Records of damages</b>		<b>Environmental Conditions</b>		<b>Administrator</b>				
<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 type="checkbox"/>	<input checked="" type="checkbox"/>	Air pollution			
<input type="checkbox"/> Other calamity								
<b>Institutional and Human Statuses</b>				<b>Training Record</b>				
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	Oru	Surabaya	2000	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 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 checked="" 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					

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>ENDE</b>		
	<b>CLASS</b>	4th-A	<b>NO.</b>	120

<b>6. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
<b>Years</b>	<b>TG</b>	<b>TEL</b>	<b>DSC</b>	<b>NBDP</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>
						<b>Call</b>	<b>Minute</b>			<b>Call</b>	<b>Minute</b>	
1996					1991				1996			
1997					1992				1997			
1998		1			1993				1998			
1999					1994				1999			
2000		2			1995				2000			

<b>7. COMMENTS</b>	
<b>Suggestion</b>	Maritime Tecommunications Services is not yet work optimally, because it is not yet completed by Telephone call unit
<b>Remarks</b>	

# INVENTORY

Site Name: Ende

NDE-120- (1 / 2)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter							
1		HF Transceiver	FS-1000	5590-2588	Furuno	1989	Routine		Good
2		HF Transceiver	IC-735	42739	ICOM	1990	Project		Good
1-2		<b>Receiver</b>							
1		All Band Receiver	NRD-130G	C-20956	JRC	1963			
1-3		<b>VHF System</b>							
1		VHF Transceiver	FM-400	25593	Furuno	1989	Routine		Good
2		VHF Transceiver / HT	IC-O2N	327931	ICOM	1995			
2		<b>Tower &amp; Antenna System</b>							
2-1		Antenna System							
1		Dipole Antenna				1994			
2		Vertical Antenna				1994			
2-2		<b>Antenna Switch</b>							
1		Antenna Tuner	AT-120		ICOM	1990	Routine		Good
2		Antenna Tuner	FC-300T		Yaesu	1982			
3		<b>Power Supply Equipment</b>							
3-1		<b>UPS &amp; AVR System</b>							
1		Power Supply Unit	PV-4010		RCTV	1995	Routine		Good
2		Power Supply Unit	SP-1010		Carlton	1989			
3		Power Supply Unit	AH-1330A		Sumura	1990			
4		Power Supply Unit			RFC	1982			
5		Accumulator 12V/200AH	N-200		GS	1992			
6		Accumulator 12V/200AH	N-200		NS	1996	Routine		Damaged
7		Solar Cell Photowatt				1994			
8		Battery Charger	6NT-8/W-12/15	14698	H berg	1974	Routine		Damaged



# INVENTORY

Site Name: Ende

NDE-120- (2 / 2)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
4		Measuring Equipment AVO Meter Signal Injector	SP-100 SE-2508		Super	1980 1974	Routine		Damaged
5		Other Tool Set Fan Extinguisher			Smiec Union Ansul	1982 1995 1974	Routine Routine Routine		Damaged Good Damaged

# STATUS OF TROUBLES

SITE NAME : ENDE

NDE-120-(1/1)

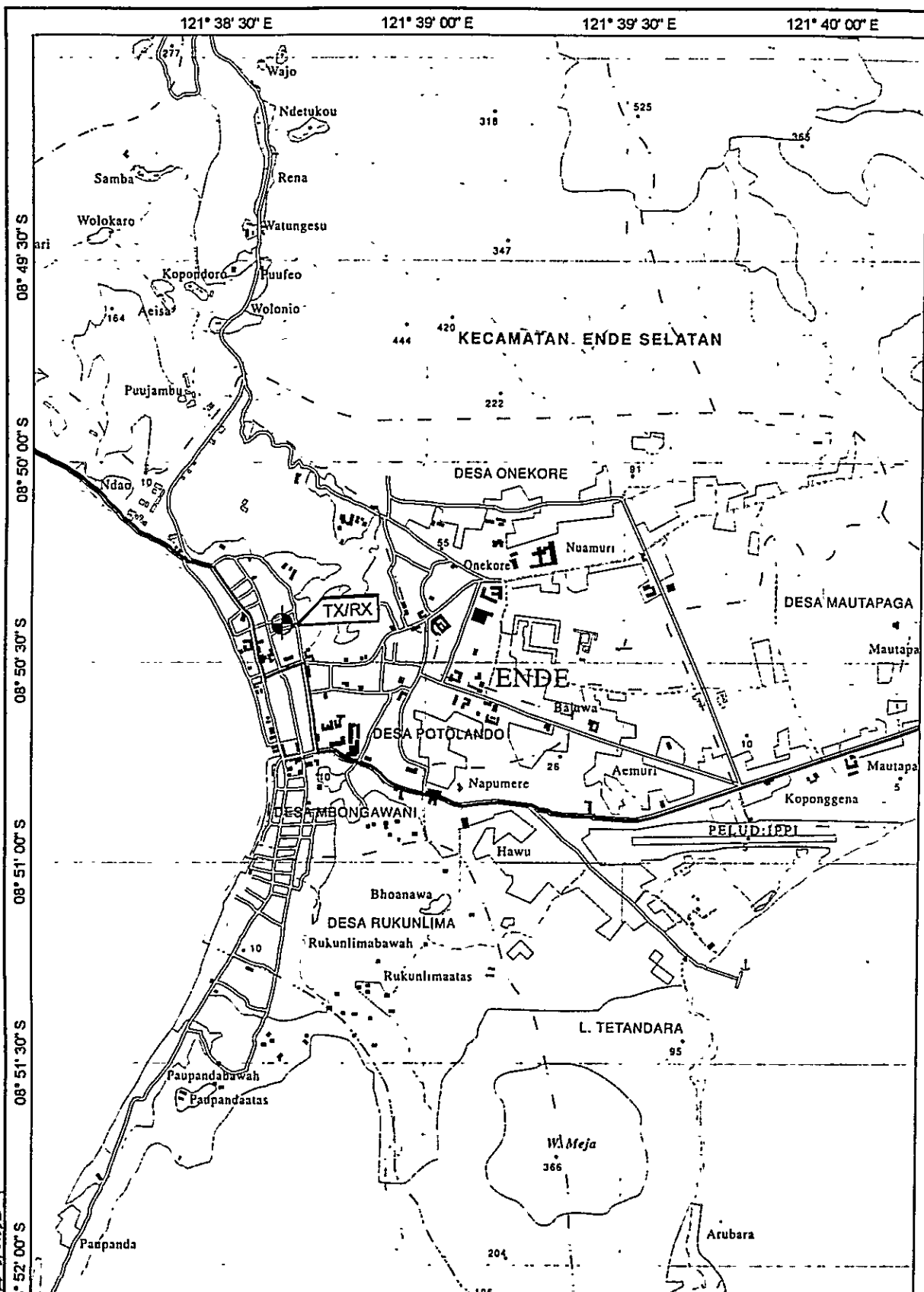
Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause due to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u>			
Radio equipment has been aged If there is damaged, spare part not available RX Station often disturbed by BPD Transmitting Station, the nearest location Un-availability of maintenance budgetary			

Site Name: Ende

**OPERATION SCHEDULE  
(FREQUENCIES)**

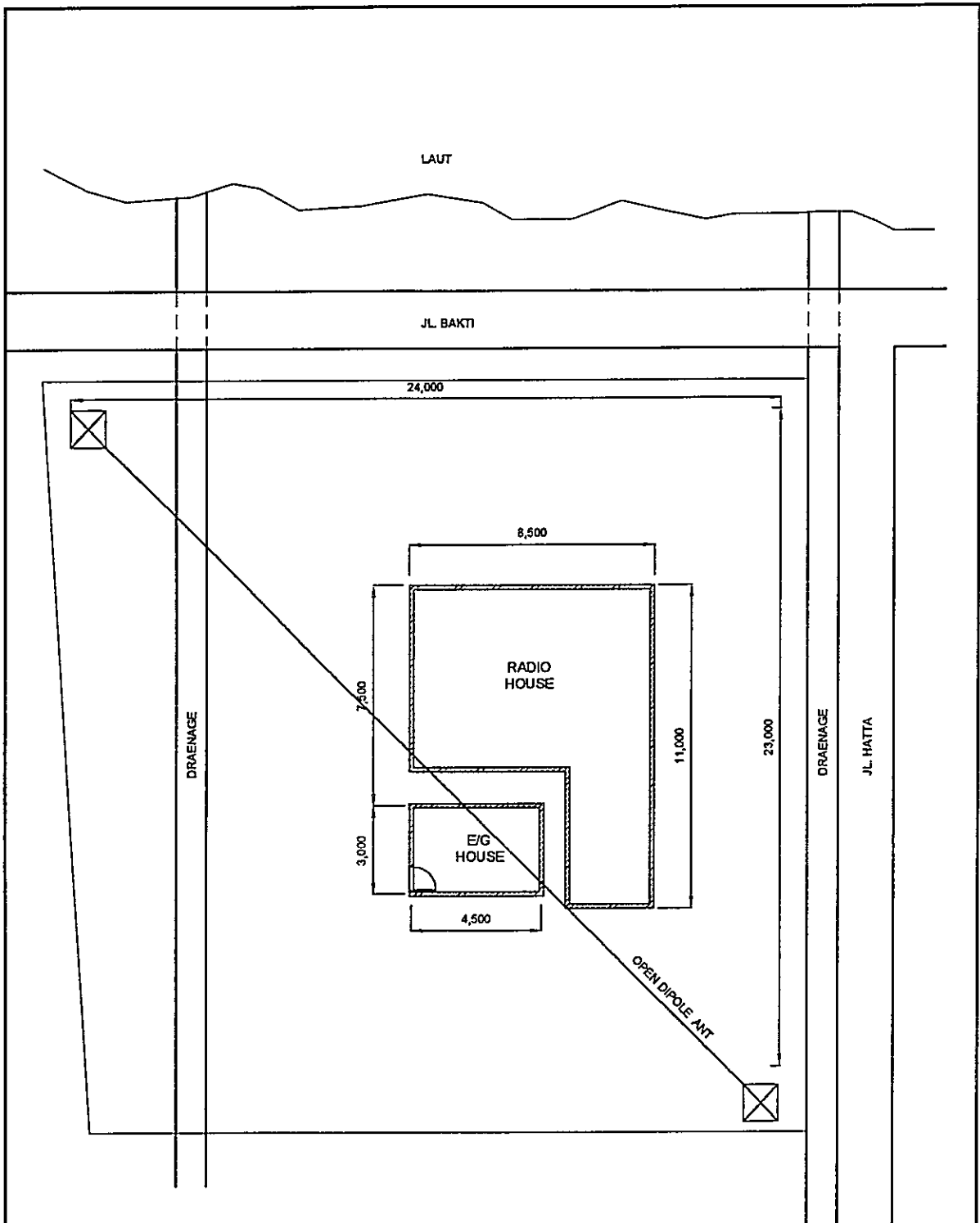
Call Sign : Mobile Service : PKD.20  
Fix Service :

	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	
1	Mobile Service 2.182,0	J3E	100																									
2	2.690,0	J3E	100																									
3	6.215,0	J3E	100																									
4	6.510,0	J3E	100																									
	VHF Service																											
5	Channel-16	G3E	20																									
6	Channel-20	G3E	20																									
7	Channel-26	G3E	20																									
	Fix Service																											
8	5.316,0	J3E	100																									
9	9.950,0	J3E	100																									
10																												
11																												
12																												
13																												
14																												
15																												
16																												
17																												
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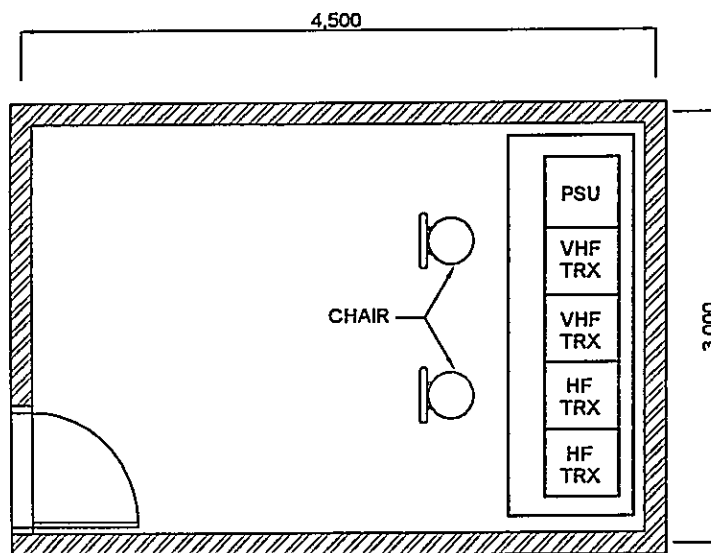
DRAWN BY AAB  
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 06, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 25,000	ENDE	
DIMENSION	DRAWING NO	
Meter	S.R.O.P. - N.D.E. - 1.2.0 - 1	



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

DATE July 04, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 500	SITE NAME ENDE	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - N, D, E, - 1, 2, 0, - 2,	
-  PT. Aneka Asia Buana		

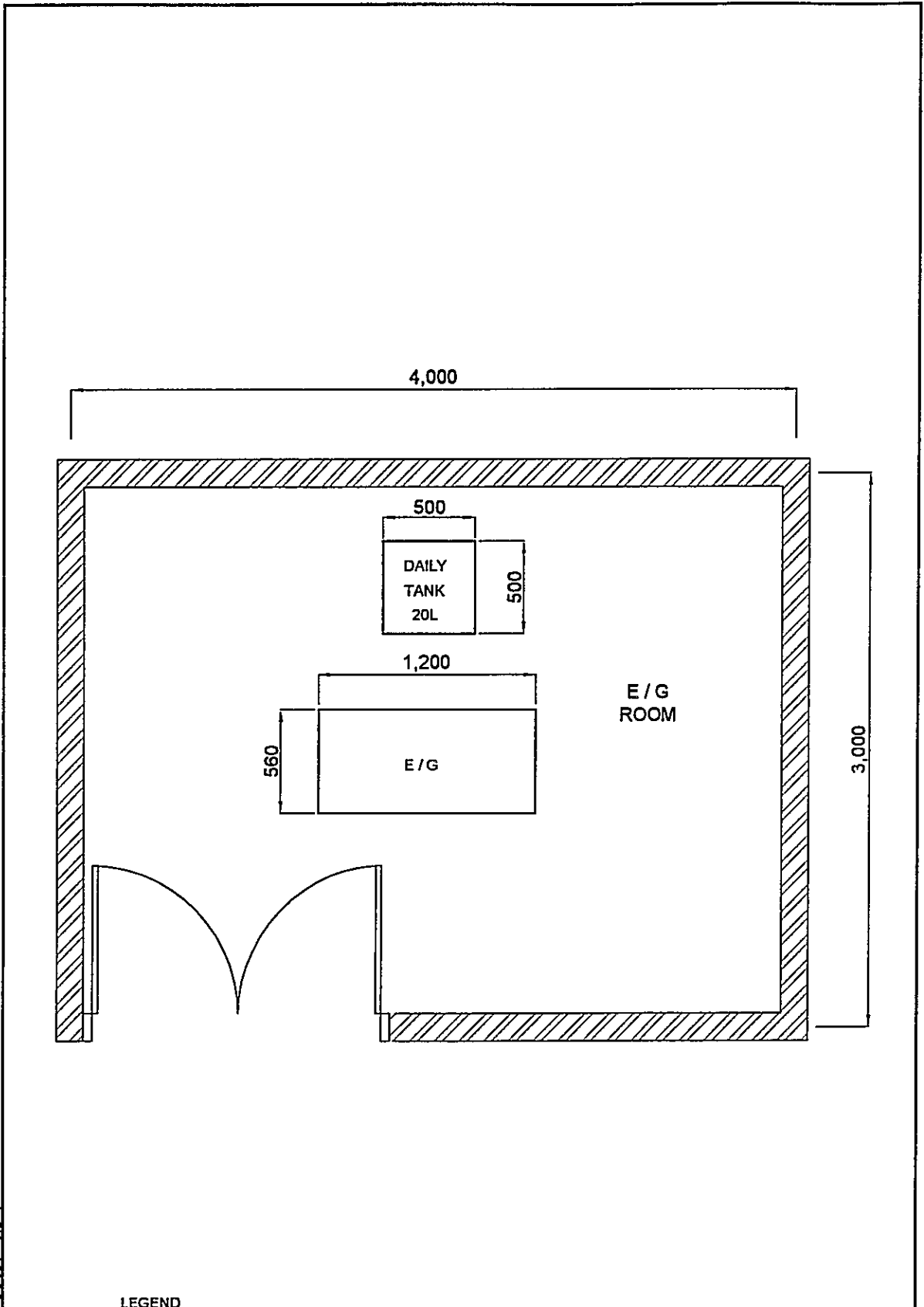


**LEGEND**

- HF . HIGH FREQUENCY
- PSU POWER SUPPLY UNIT
- TRX . TRANSCIVER ( ING )
- VHF . VERY HIGH FREQUENCY

DRAWN BY AAR  
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
July 04, 2001	EQUIPMENT FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	ENDE	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - , N, D, E, - 1, 2, 0, - 3,	
-  PT. Aneka Asia Buana		

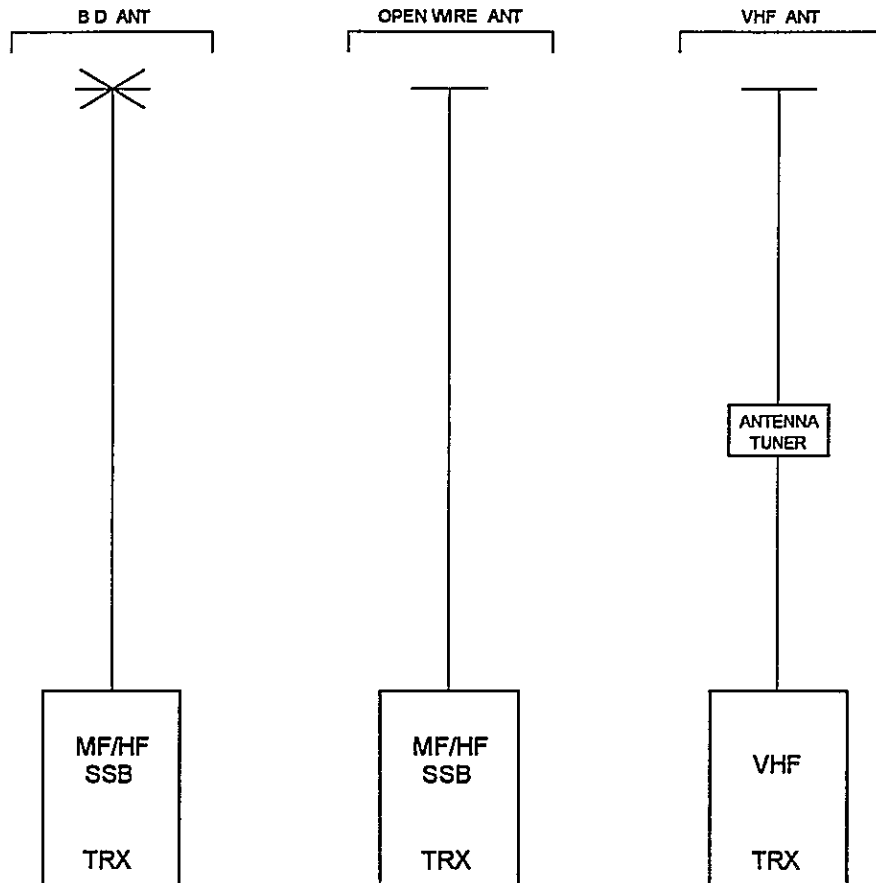


DRAWN BY: *[Signature]*  
 APPROVED BY JICA: *[Signature]*

**LEGEND**

E/G : ENGINE GENERATOR  
 L : LITER

DATE July 04, 2001	DRAWING TITLE E/G FLOOR LAYOUT	SHEET NO. 1/1
SCALE 1 : 30	SITE NAME <b>ENDE</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - , N, D, E, - , 1, 2, 0, - , 4,	
- <b>PT. Aneka Asia Buana</b>		



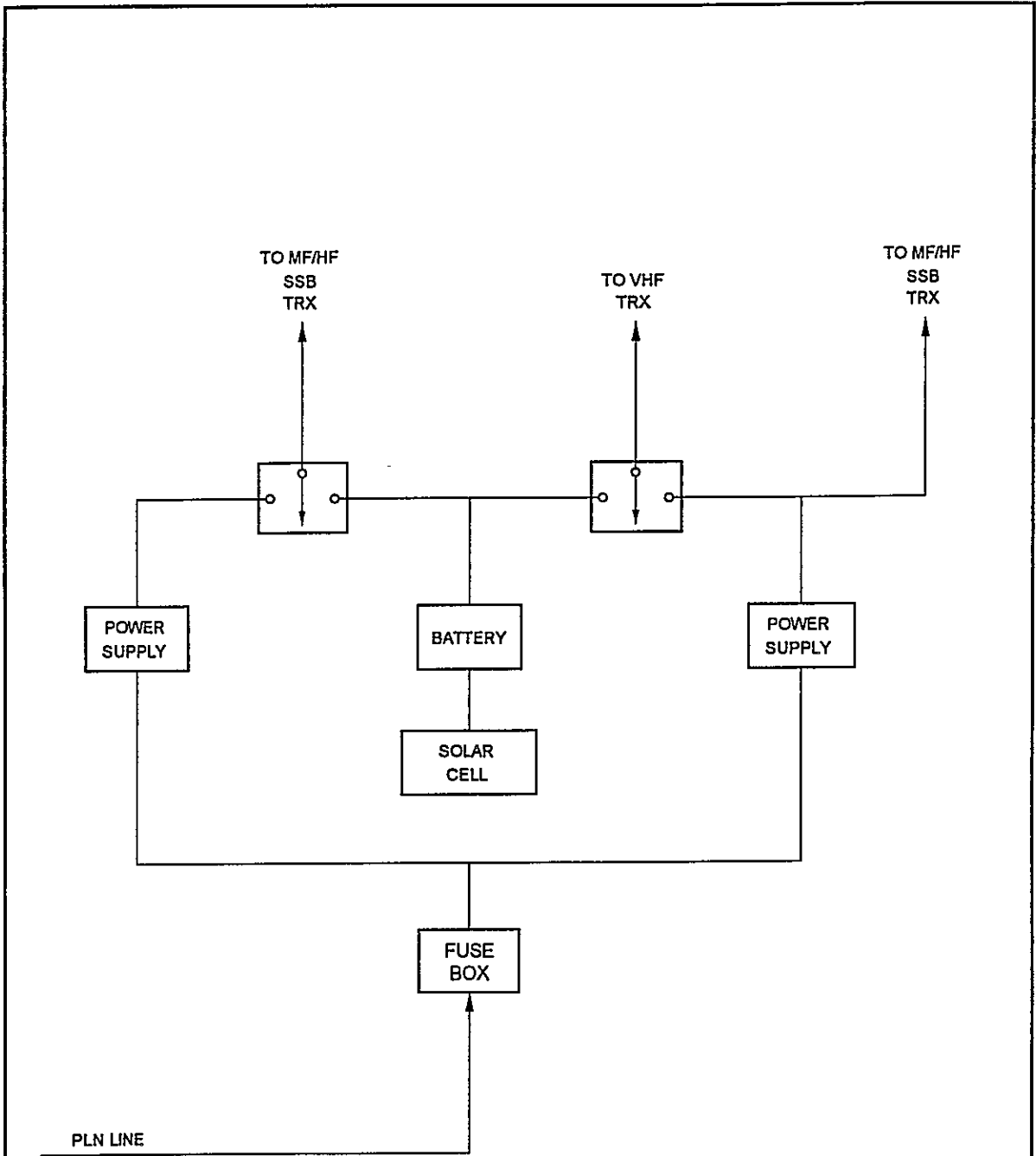
**LEGEND**

- ANT : ANTENNA
- BD : BROADBAND DIPOLE
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCEIVER (ING)
- VHF : VERY HIGH FREQUENCY

DRAWN BY AAB  
 APPROVED BY JICA  
*[Signature]*

DATE	DRAWING TITLE	SHEET NO
August 10, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	ENDE	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - N, D, E, - 1, 2, 0, - 5,	
-  PT. Aneka Asia Buana		





PLN LINE  
0.9kVA  
AC 220V, 2W, 1Ø

**LEGEND**

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

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

DATE	DRAWING TITLE	SHEET NO.
August 10, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	ENDE	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - N, D, E, - 1, 2, 0, - 6	
-  PT. Aneka Asia Buana		

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

## **4th-A Class Coast Station Waingapu (Coast Station No. 121)**

### **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**

<b>SUMMARY OF COAST STATION</b>	SITE	WAINGAPU		
	CLASS	4th-A	NO.	121

<b>1. LOCATION</b>					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Nangamesi No. 2	0387-62772		120° 15' 22" E	09° 39' 42" S

<b>2. GENERAL CONDITIONS</b>					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kupang [Taking time: 3.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Waingapu [Taking time: 8.00 hr.]	<input checked="" 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		

<b>3. CONDITIONS OF STATION</b>	Refer to attached drawing
---------------------------------	---------------------------

<b>3.1 Site Conditions</b>			
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 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	10.00 M	Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	900.00 m <sup>2</sup>	<input checked="" type="checkbox"/> 1 Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> City water

<b>3.2 Building Conditions</b>		<b>3.3 Power Source</b>			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	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	Triplex	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	10 V ± 50 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m <sup>2</sup> )		Power interruption /month	Times	E/G Stand-by System	
Operation room	15.00	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					

<b>4. OPERATION AND MAINTENANCE</b>				<b>5. PERSONNEL FORMATIONS</b>				
Actions taken in equipment failure				TX/RX				
Restoration flow	Radio Equipment position is off			Chief				
Examples of major failure				Operator (skilled)	1 (1)			
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 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	Surabaya	1999	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 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 checked="" 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					

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>WAINGAPU</b>		
	<b>CLASS</b>	<b>4th-A</b>	<b>NO.</b>	<b>121</b>

<b>6. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
<b>Years</b>	<b>TG</b>	<b>TEL</b>	<b>DSC</b>	<b>NBDP</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>
						<b>Call</b>	<b>Minute</b>			<b>Call</b>	<b>Minute</b>	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

<b>7. COMMENTS</b>	
<b>Suggestion</b>	Maritime Telecommunications Services is not yet work optimally, because it is not yet completed by Telephone Call.
<b>Remarks</b>	

# INVENTORY

Site Name: Waingapu

WGP-121- (1 / 2)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter	IC-735	43276	ICOM	1995	Project		Good
2		MF/HF Transceiver	FT-300C	08306032-OH9	Yaesu	1984	Routine		Good
3		MF/HF Transceiver Handy-Talky	IC-02N	327932	ICOM	1995	Routine		Good
1-2		VHF System							
1		VHF Transceiver	FM-400	235595	Furuno	1995	Routine		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Tower & Mast							
1		18mH Tower (x2)				1984			
2-2		Antenna System							
1		Dipole Antenna				1984			
2		Open Wire (L) Antenna				1995			
3		Vertical Antenna (For VHF)				1984			
4		Vertical Antenna (For HF)	Ring-O			1995			
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR							
1		Power Supply Unit	PV-4010		RTCV	1994	Routine		Good
2		Power Supply Unit			Carlton	1989	Routine		Good
3		Power Supply Unit	RS-220-12			1984			
4		Accumulator 12V/200AH	N-200		G.S.	1996	Routine		Good
5		Battery Charger	SM-245			1985	Routine		Damaged
6		Solar Cell	BP-1242			1995	Project		Good
4		<b>Measuring Equipment</b>							
1		Multi Tester	SP-100		Sanwa	1983	Routine		Damaged

Kupang

# INVENTORY

Site Name: Waingapu

WGP-121- (2 / 2)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
5		Others							
1		Tool Set				1982	Routine		No Complete
2		Fan				1995	Routine		Damaged
3		Headphone				1990	Routine		Good
4		Knock Key	MD-823RP			1983	Routine		Good

# STATUS OF TROUBLES

SITE NAME : WAINGAPU

WGP-121-(1/1)

Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause due to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u>			
Radio equipment has been aged			
Un-availability spare part for repairing			
Un-availability budget for Antenna and Tower maintenance			

# OPERATION SCHEDULE (FREQUENCIES)

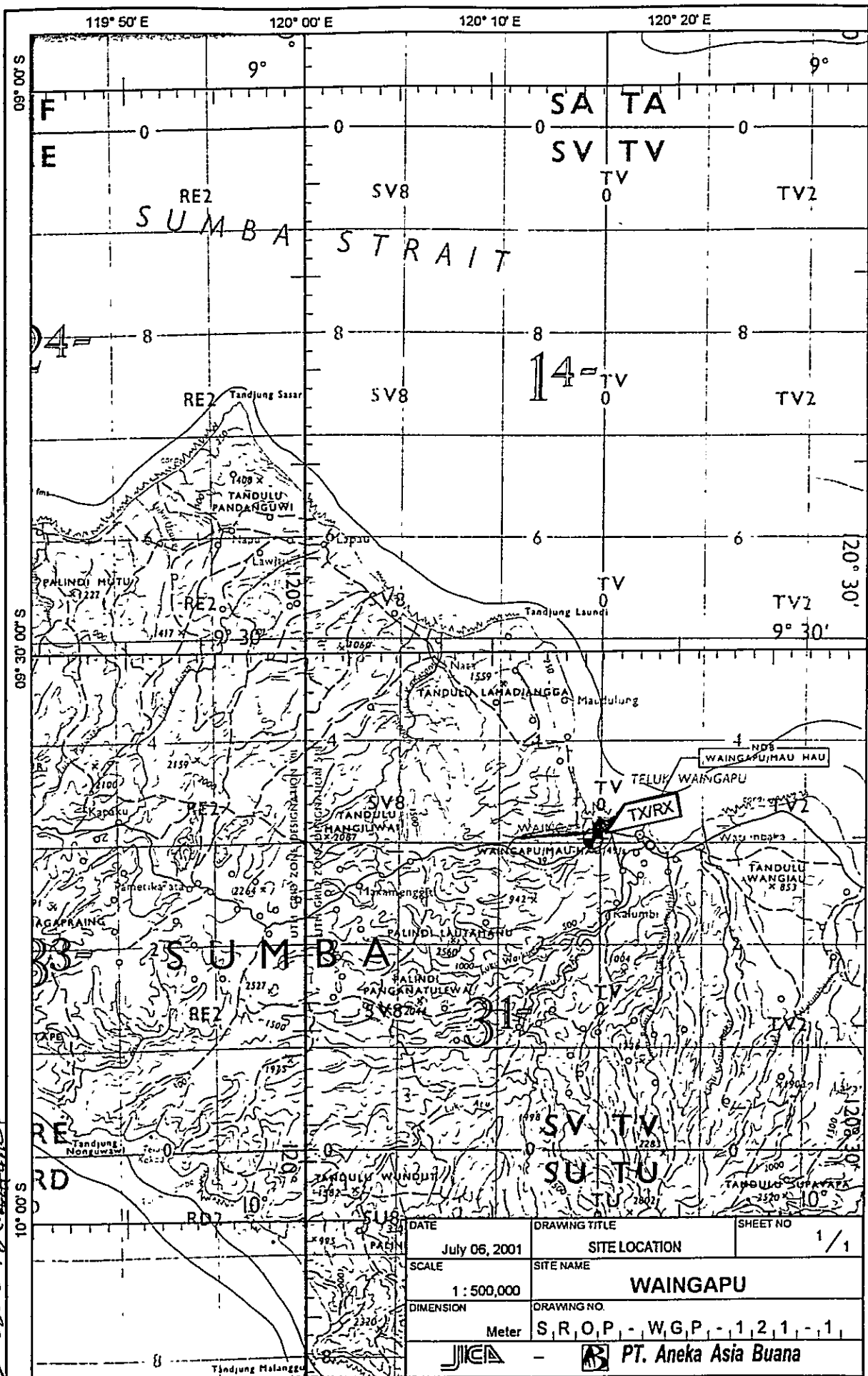
Site Name: Waingapu

WGP-121-(1/1)

Call Sign : Mobile Service : PKD.62  
Fix Service :

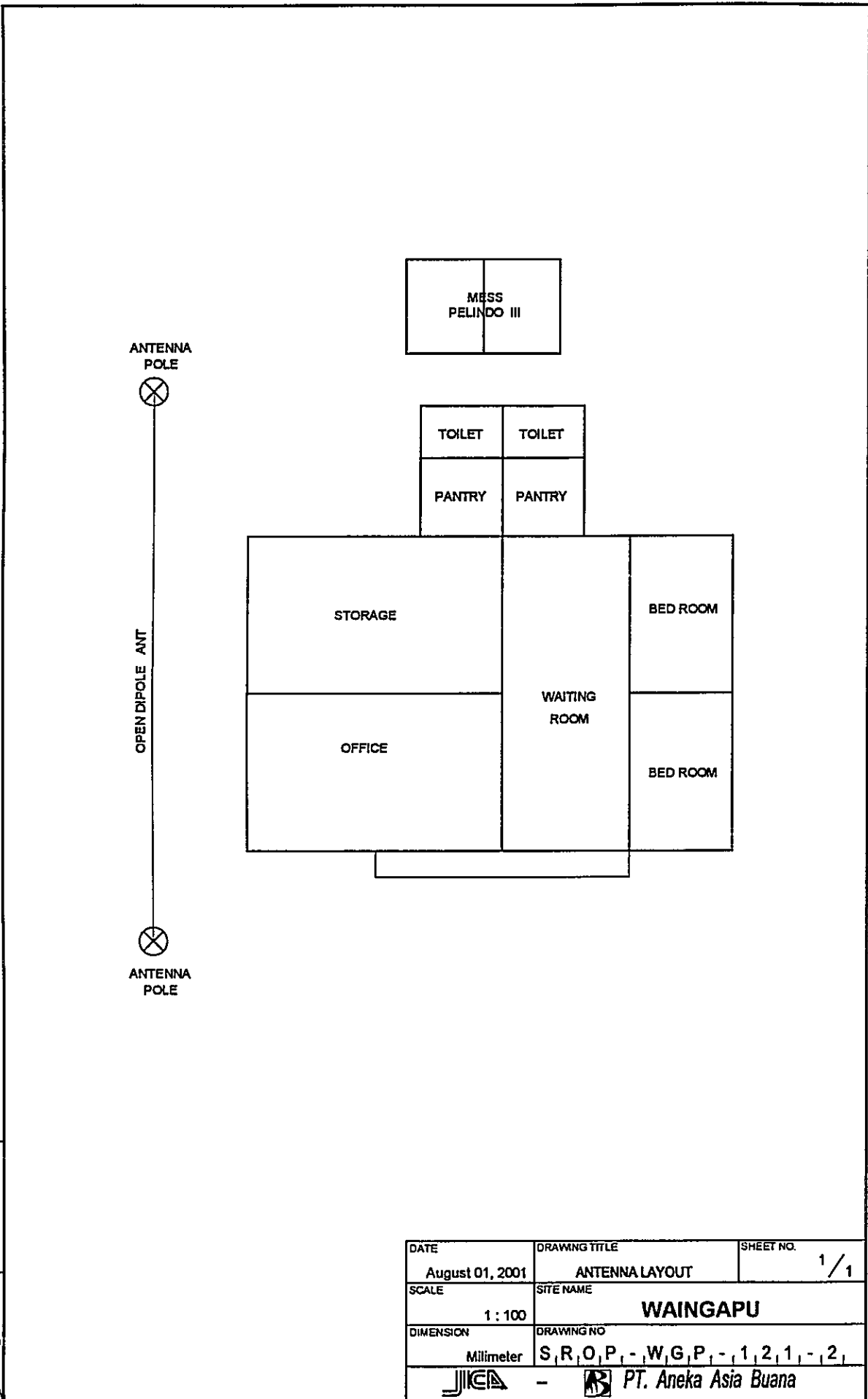
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mobile Service																												
1	2 182.0	J3E	100																									
2	2 690.0	J3E	100																									
3	6 215.0	J3E	100																									
4	6 510.0	J3E	100																									
VHF Service																												
5	Channel-16	G3E	25																									
6	Channel-20	G3E	25																									
7	Channel-22	G3E	25																									
Fix Service																												
8	5 316.0	J3E	100																									
9	6 926.0	J3E	100																									
10	9 950.0	J3E	100																									
11	10 226.0	J3E	100																									
12																												
13																												
14																												
15																												
16																												
17																												
18																												
19																												
20																												
21																												
22																												
23																												





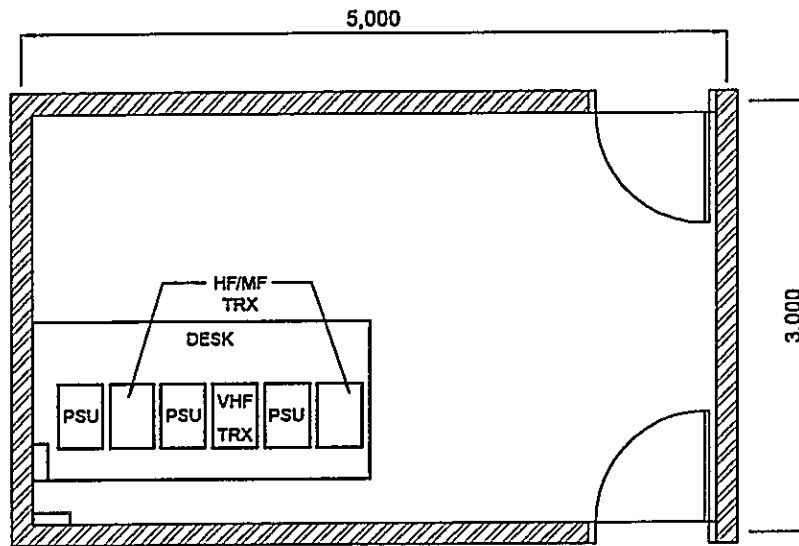
APPROVED BY JICA  
 DRAWN BY AAB

DATE	July 06, 2001	DRAWING TITLE	SHEET NO
SCALE	1 : 500,000	SITE LOCATION	1 / 1
DIMENSION	Meter	SITE NAME	WAINGAPU
		DRAWING NO.	S.R.O.P. - W.G.P. - 1.2.1 - 1



DRAWN BY AAB  
 APPROVED BY JCA:

DATE	DRAWING TITLE	SHEET NO.
August 01, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1 : 100	WAINGAPU	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, -, W, G, P, -, 1, 2, 1, -, 2,	
-  PT. Aneka Asia Buana		

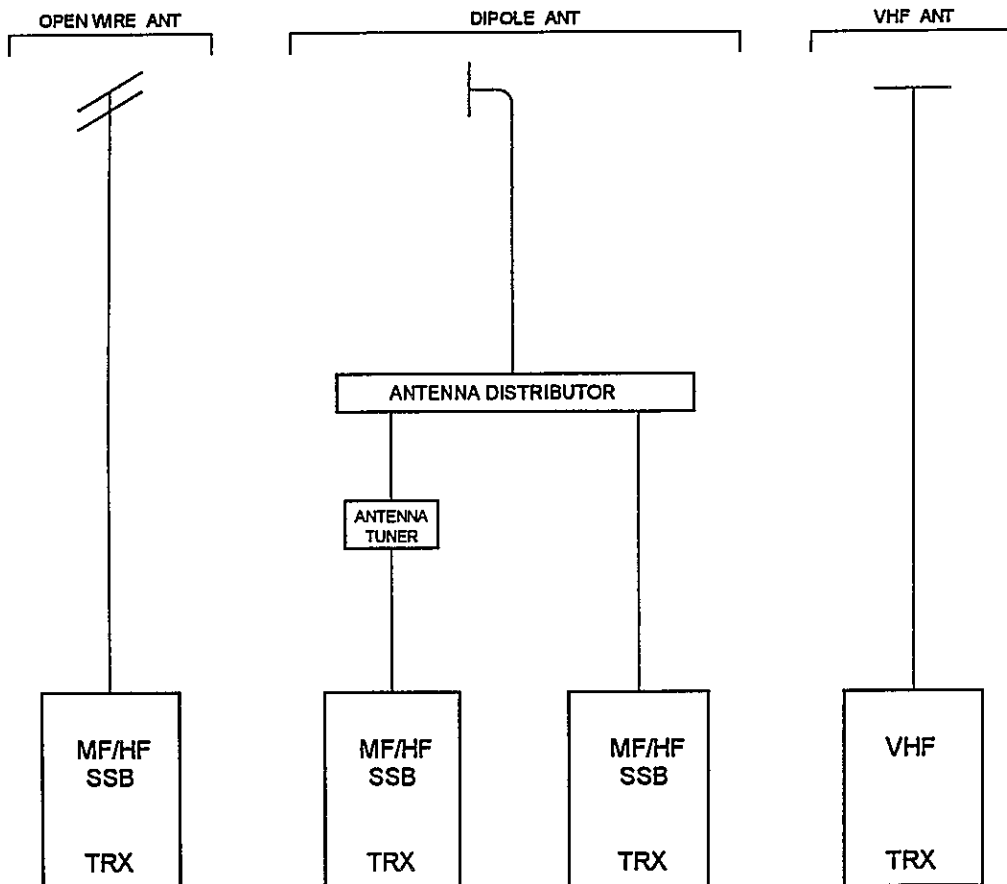


**LEGEND**

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

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

DATE July 04, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME <b>WAINGAPU</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P - W, G, P - 1, 2, 1 - 3	
- <b>PT. Aneka Asia Buana</b>		

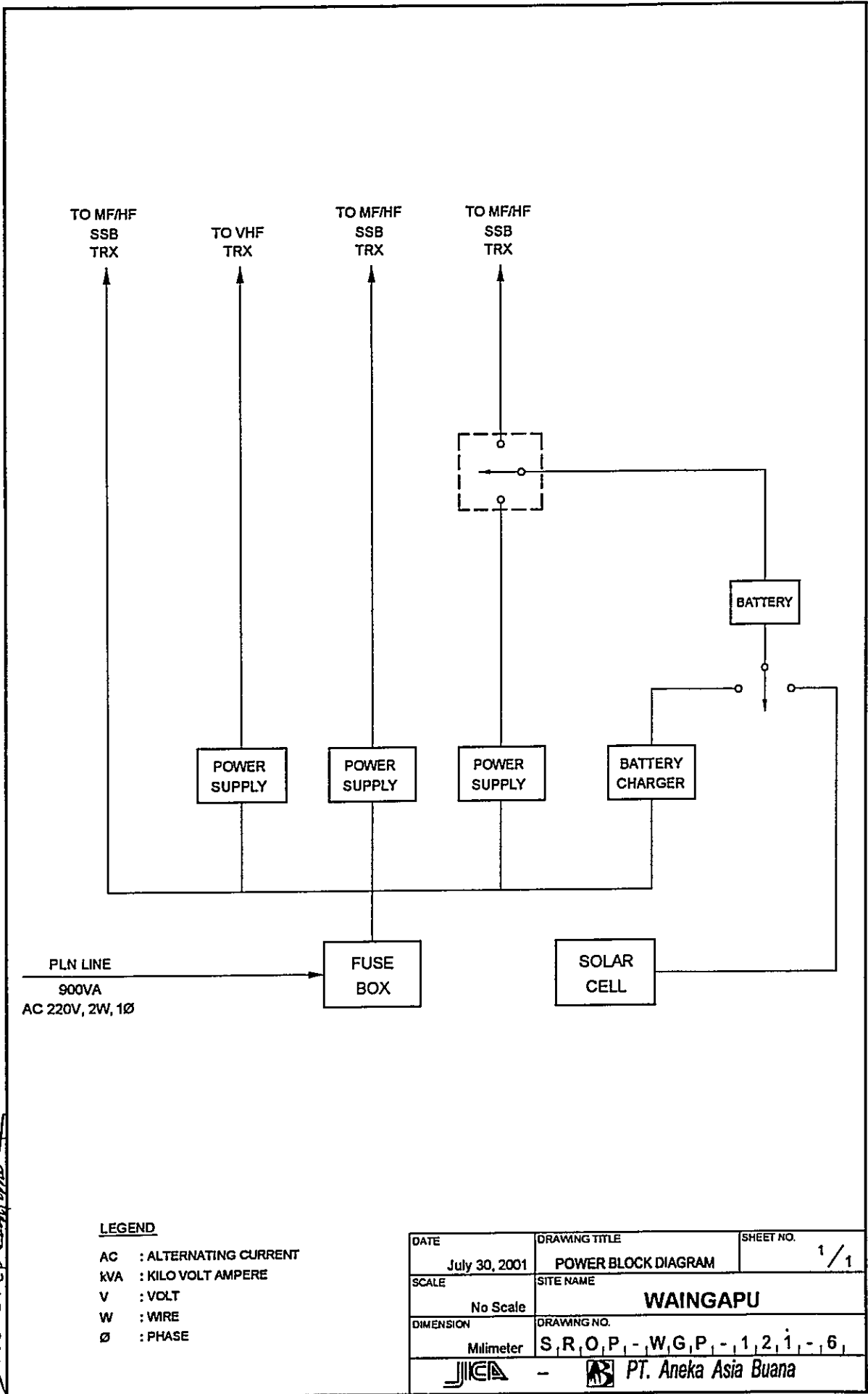


**LEGEND**

- ANT ANTENNA
- HF HIGH FREQUENCY
- MF MEDIUM FREQUENCY
- TRX TRANSCEIVER (ING)
- VHF VERY HIGH FREQUENCY

APPROVED BY JICA  
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
July 04, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	WAINGAPU	
DIMENSION	DRAWING NO.	
Milimeter	S.R.O.P. - W.G.P. - 121 - 5	
-  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 July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME WAINGAPU	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - W, G, P, - 1, 2, 1, - 6	
-  PT. Aneka Asia Buana		

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

## **4th-A Class Coast Station Maumere (Coast Station No. 122)**

### **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**

<b>SUMMARY OF COAST STATION</b>	SITE	MAUMERE		
	CLASS	4th-A	NO.	122

<b>1. LOCATION</b>					
<b>Station</b>	<b>Address</b>	<b>Tel.</b>	<b>Fax</b>	<b>Longitude</b>	<b>Latitude</b>
TX/RX	Jl. ALok Toang RT.01 RW.05	0332-22880		122° 13' 08" E	08° 37' 00" S

<b>2. GENERAL CONDITIONS</b>					
<b>Moving from Jakarta</b>		<b>Site Access from Port</b>	<b>Road Traffic</b>	<b>Accommodation</b>	<b>Population</b>
By Air	to Kupang [Taking time: 3.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Maumere [Taking time: 10.00 hr.]	<input checked="" 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		

<b>3. CONDITIONS OF STATION</b>	Refer to attached drawing
---------------------------------	---------------------------

<b>3.1 Site Conditions</b>					
<b>Topography</b>	<b>Nature of Soil</b>		<b>Past disaster of site</b>	<b>Confirmation of existing system</b>	
<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 checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input checked="" type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input checked="" type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
<b>Altitude</b>	5.00 M		<b>Telephone Lines</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
<b>Land area</b>	200.00 m <sup>2</sup>		<input checked="" type="checkbox"/> 1 Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> City water

<b>3.2 Building Conditions</b>			<b>3.3 Power Source</b>		
<b>Constructions</b>			<b>PLN Source</b>	<b>E/G</b>	<b>Existing Power Conditions</b>
Num. of story	One	Voltage	220 V	220 V	Good Bad
Structure	Concrete	Phase	1	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	2	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	0.9	5	<input type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	<b>Quality of PLN source</b>		<b>Capacity of fuel for engine</b>	
Wall finish	Mortar	Fluctuations	10 V ± 5 %		Day tank
Flooring	Tile	Availability of power per day	24 Hours		Main tank
<b>Room Area (m<sup>2</sup>)</b>		<b>Power interruption /month</b>		<b>Times</b>	
Operation room	7.50	<b>Total interpt. hours /month</b>		<b>Hours</b>	
E / G room	25.00	<b>Max. interpt. hours at once</b>		<b>Hours</b>	
<b>Remark</b>					

<b>4. OPERATION AND MAINTENANCE</b>				<b>5. PERSONNEL FORMATIONS</b>				
<b>Actions taken in equipment failure</b>						<b>TX/RX</b>		
Restoration flow	Radio equipment Position is off			Chief				
Examples of major failure				Operator (skilled)		1	()	()
Sufficiency of spares				Technician (skilled)		()	()	()
<b>Records of damages</b>		<b>Environmental Conditions</b>		<b>Administrator</b>				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>External noises</b>		<b>Total</b>		
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Air pollution</b>		1		
<input type="checkbox"/> Other calamity								
<b>Institutional and Human Statuses</b>				<b>Training Record</b>				
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	Surabaya	1999	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 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 checked="" 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					

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>MAUMERE</b>		
	<b>CLASS</b>	<b>4th-A</b>	<b>NO.</b>	<b>122</b>

<b>6. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
<b>Years</b>	<b>TG</b>	<b>TEL</b>	<b>DSC</b>	<b>NBDP</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>
						<b>Call</b>	<b>Minute</b>			<b>Call</b>	<b>Minute</b>	
<b>1996</b>					<b>1991</b>				<b>1996</b>			
<b>1997</b>					<b>1992</b>				<b>1997</b>			
<b>1998</b>					<b>1993</b>				<b>1998</b>			
<b>1999</b>					<b>1994</b>				<b>1999</b>			
<b>2000</b>					<b>1995</b>				<b>2000</b>			

<b>7. COMMENTS</b>	
<b>Suggestion</b>	Maritime Telecommunications Services is not yet work optimally, because it is not yet completed by telephone call unit
<b>Remarks</b>	



# INVENTORY

Site Name: Maumere

MMR-122- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter							
1		HF/MF Transceiver	IC-M700	5250	ICOM	1993	Project		Good
2		HF/MF Transceiver	FS-1000	-	Furuno	1985	Routine		Good
1-2		<b>VHF System</b>							
1		VHF/HT	IC-02N	339004	ICOM	1995	Project		Good
2		VHF	FM-450	103109	Furuno	1985	Routine		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		<b>Tower &amp; Mast</b>							
1		18mH Tower Pipe	-	-	-	1984			
2		20mH Tower Pipe	-	-	-	1995			
3		6mH Tower Pipe	-	-	-	1984			
3		<b>Power Supply Equipment</b>							
3-1		<b>UPS</b>							
1		Power Supply	PV-4010	-	RTVC	1993	Project		Good
2		Power Supply	IC-030	-	Metronic	1985	Routine		Good
3		Accumulator 12V/200AH	N-200	-	Yuasa	1993	Routine		Damaged
4		Battery Charger		-	Delta	1993	Routine		Good
4		<b>Others</b>							
1		Type Writer	Royal	-	-	1995			

# STATUS OF TROUBLES

SITE NAME : MAUMERE

MMR-122-(1/1)

Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u>			
Radio Crystal equipment has been aged			
Spare part un-available			
Maintenance budget un-available			

# OPERATION SCHEDULE (FREQUENCIES)

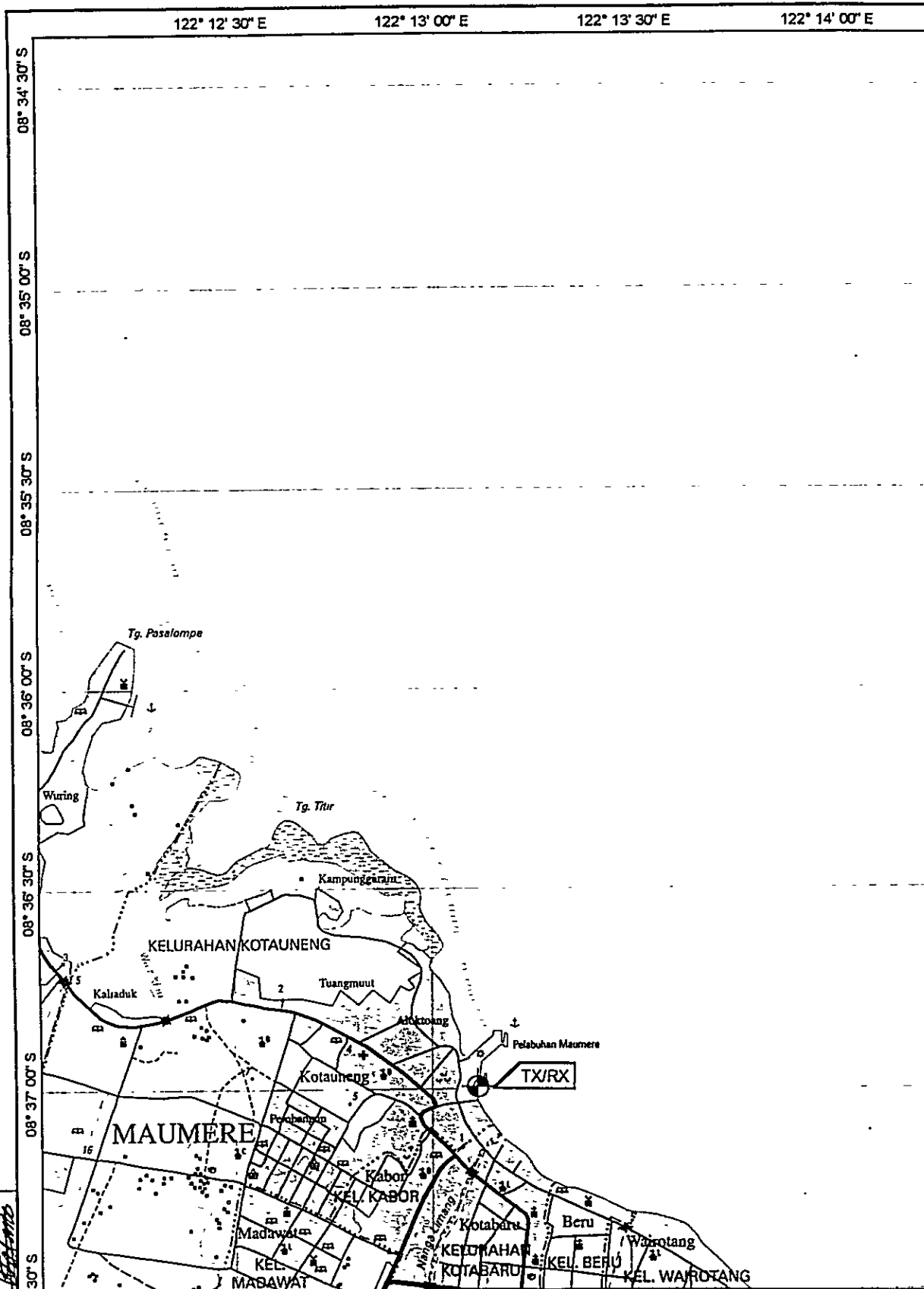
Site Name: Maumere

MMR-122-(1/1)

Call Sign: Mobile Service : PKD.63

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	100																									
2 2.690,0	J3E	100																									
3 6 215,0	J3E	100																									
4 6 510,0	J3E	100																									
VHF Service																											
5 Channel-16	G3E	25																									
6 Channel-20	G3E	25																									
7 Channel-26	G3E	25																									
Fix Service																											
8 5.316,0	J3E	100																									
9 6.926,0	J3E	100																									
10 10.226,0	J3E	100																									
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											



DRAWN BY AAB  
 APPROVED BY JICA

08° 37' 30" S

08° 37' 00" S

08° 36' 30" S

08° 36' 00" S

08° 35' 30" S

08° 35' 00" S

08° 34' 30" S

122° 12' 30" E

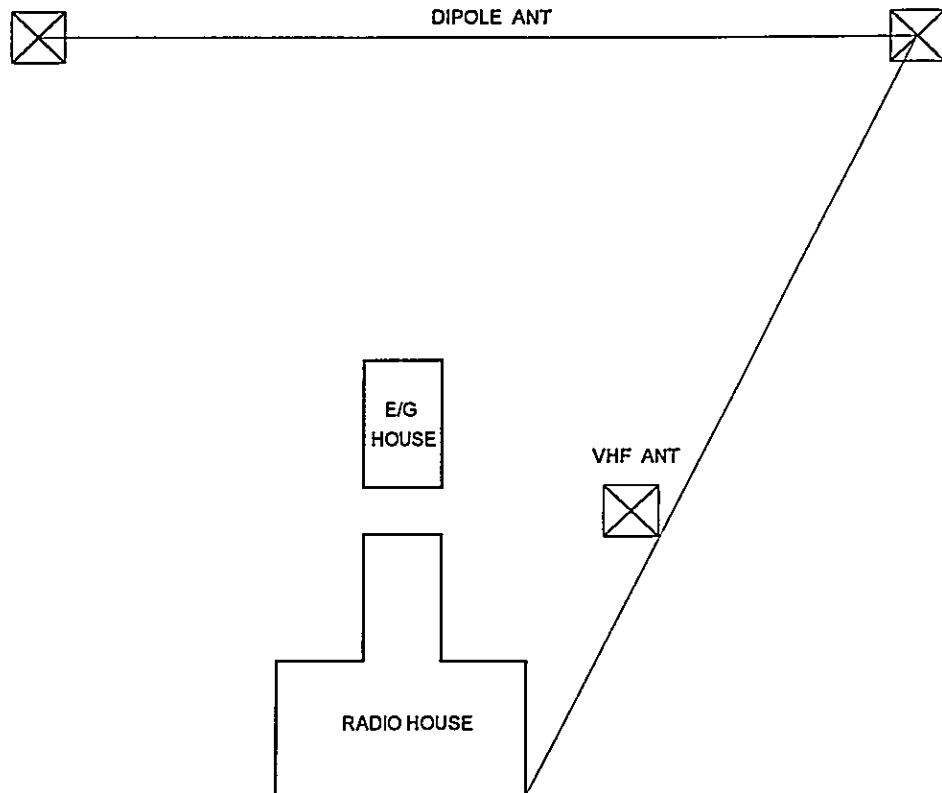
122° 13' 00" E

122° 13' 30" E



122° 14' 00" E

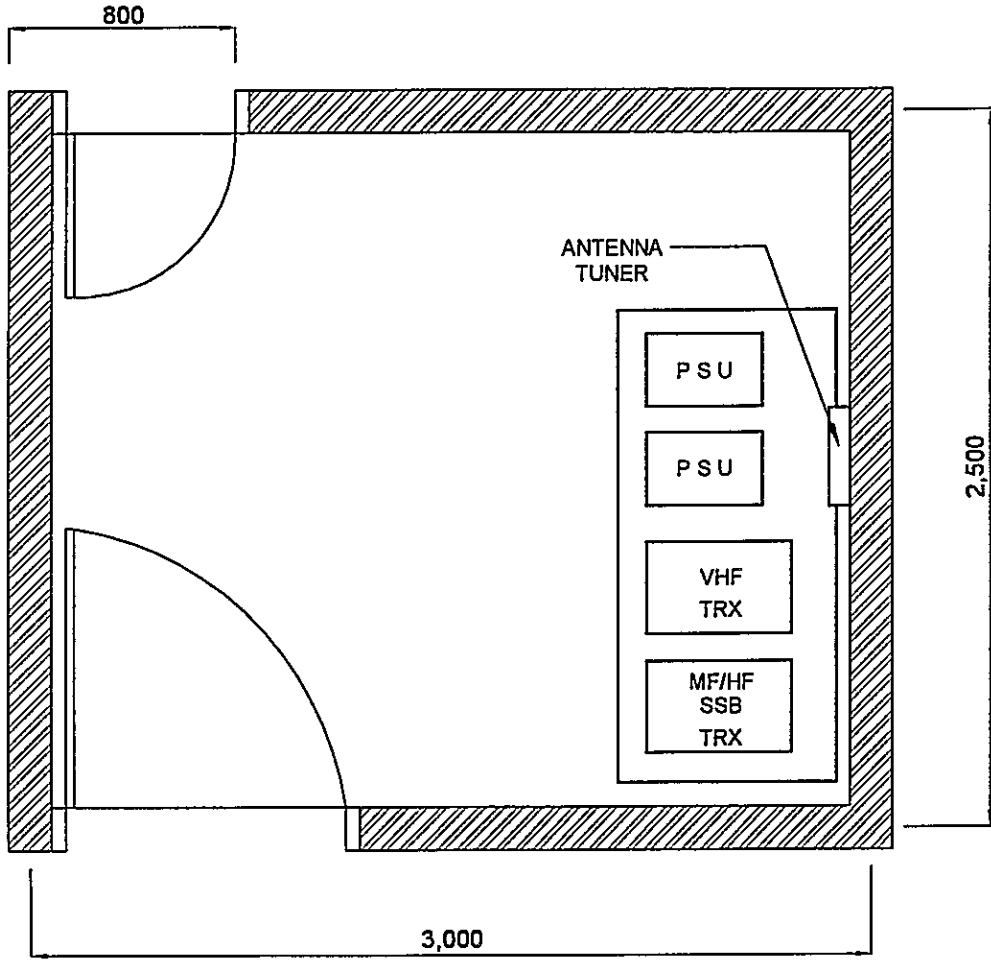
Nangalmang 2km

DATE July 06, 2001	DRAWING TITLE SITE LOCATION	SHEET NO 1/1
SCALE 1 : 25,000	SITE NAME <b>MAUMERE</b>	
DIMENSION Meter	DRAWING NO. S, R, O, P, - M, M, R, - 1, 2, 2, - 1,	
- <b>PT. Aneka Asia Buana</b>		



APPROVED BY JICA.  
 DRAWN BY AAR.



DATE July 04, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO 1 / 1
SCALE 1 : 200	SITE NAME <b>MAUMERE</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - M, M, R, - 1, 2, 2, - 2,	
 -  PT. Aneka Asia Buana		

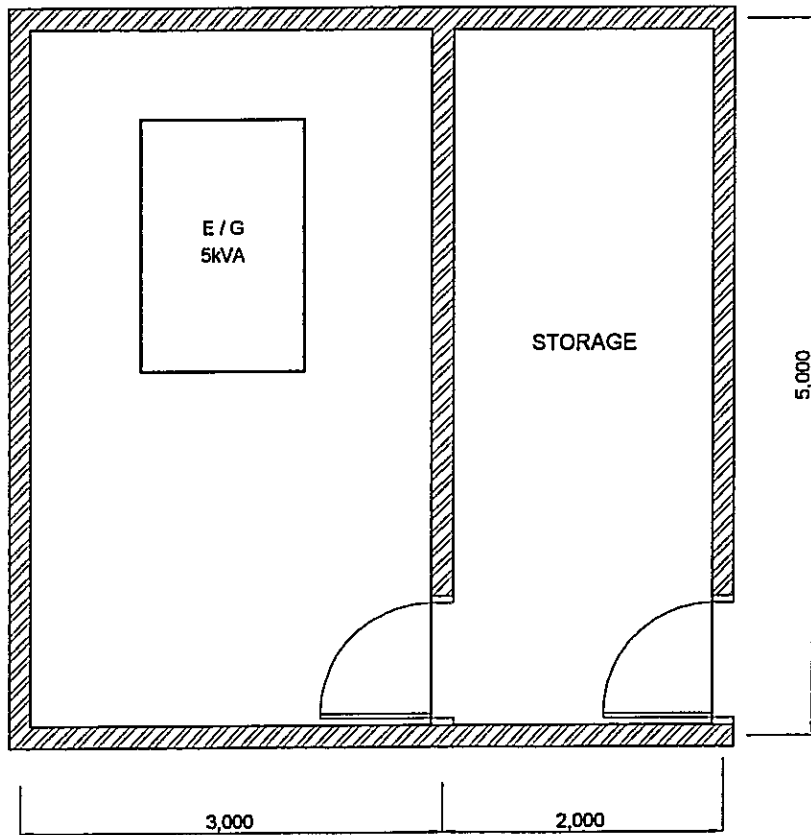


**LEGEND**

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

DRAWN BY AAB  
 APPROVED BY JICA  


DATE July 04, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 400	SITE NAME <b>MAUMERE</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - M, M, R, - 1, 2, 2, - 3,	
 -  <b>PT. Aneka Asia Buana</b>		

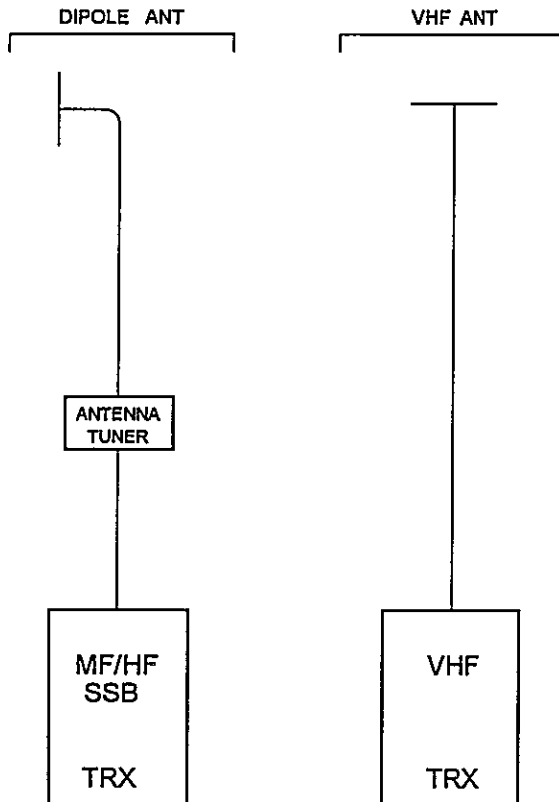


DRAWN BY AAB  
 APPROVED BY JICA.

**LEGEND**

E/G : ENGINE GENERATOR  
 KVA : KILO VOLT AMPERE

DATE	DRAWING TITLE	SHEET NO
July 04, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	MAUMERE	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - M, M, R, - 1, 2, 2, - 4,	



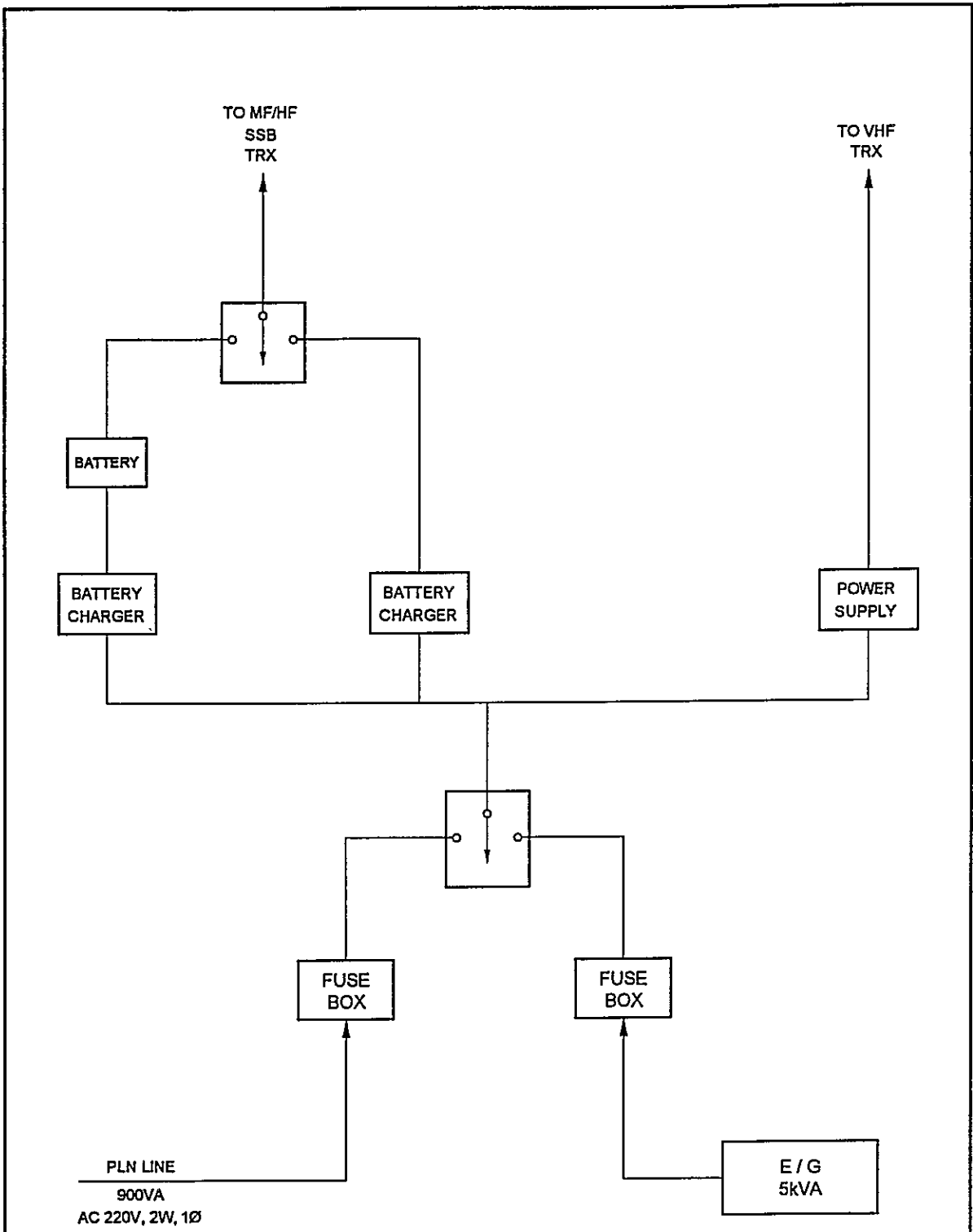
**LEGEND**

- ANT : ANTENNA
- BD : BROADBAND DIPOLE
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCEIVER (ING)
- VHF : VERY HIGH FREQUENCY

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

DATE	DRAWING TITLE	SHEET NO
August 10, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	MAUMERE	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - M, M, R, - 1, 2, 2, - 5,	
-  PT. Aneka Asia Buana		





DRAWN BY AIR. APPROVED BY JICA.

**LEGEND**

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

DATE August 10, 2001	DRAWING TITLE <b>POWER BLOCK DIAGRAM</b>	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>MAUMERE</b>	
DIMENSION Millimeter	DRAWING NO. S, R, O, P, -, M, M, R, -, 1, 2, 2, -, 6, 1	
- <b>PT. Aneka Asia Buana</b>		

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

## **4th-A Class Coast Station Kalabahi (Coast Station No. 123)**

### **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**

<b>SUMMARY OF COAST STATION</b>	SITE	<b>KALABAHI</b>		
	CLASS	4th-A	NO.	123

**1. LOCATION**

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Lamoru No. 7, RT.01 RW.02	0386-21802		124° 30' 40" E	08° 13' 18" S

**2. GENERAL CONDITIONS**

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Kupang [Taking time: 3:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Air to Kalabahi [Taking time: 8:00 hr.]	<input checked="" 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 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 checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input 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 checked="" type="checkbox"/> Lightning system
Altitude	5.00 M	Telephone Lines	<input checked="" type="checkbox"/> Feeder Cable Way
Land area	420.00 m <sup>2</sup>	<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 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	Triplex	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	Painting	Fluctuations	10 V ± 5 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m <sup>2</sup> )		Power interruption /month		E/G Stand-by System	
Operation room	60:00	Total interpt. hours /month	Hours	<input type="checkbox"/>	<input type="checkbox"/> Single System
E / G room	4:00	Max. interpt. hours at once	Hours	<input type="checkbox"/>	<input type="checkbox"/> Dual System
Remark					

**4. OPERATION AND MAINTENANCE**

**5. PERSONNEL FORMATIONS**

Actions taken in equipment failure					TX/RX			
Restoration flow	Radio equipment turned off			Chief				
Examples of major failure				Operator (skilled)	1 (1)	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	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	Surabaya	1999	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 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 checked="" 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					

<b>SUMMARY OF COAST STATION</b>	SITE	KALABAHI		
	CLASS	4th-A	NO.	123

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 Services is not yet work optimally, because it is not yet completed by telephone call unit
Remarks	

# INVENTORY

Site Name: Kalabahi

KBH-123- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-2		Transmitter							
1		HF SSB Transceiver	IC-735	46344	ICOM	1995	Project		Good
2		Handy-Talky	IC-02N	327921	ICOM	1986	Routine		Good
1-2		<b>VHF System</b>							
1		VHF Transceiver	FM-1600	327921	Furuno	1986	Routine		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Antenna System							
1		Vertical Antenna							
2		Vertical Antenna							
3		Vertical Antenna							
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR							
1		Power Supply Unit	PV-4010		RTCV	1993	Routine		Good
2		Power Supply Unit	MPS-8A		Carlton	1983	Routine		Damaged
3		Accumulator 12V/200AH			Union	1995	Routine		Good
4		<b>Measuring Equipment</b>							
1		Multi Tester	SP-20D		Heles	1995	Routine		Good

# STATUS OF TROUBLES

SITE NAME : KALABAHI

KBH-123-(1/1)

Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
Un-availability of spare part			
Un-available budget for maintenance			

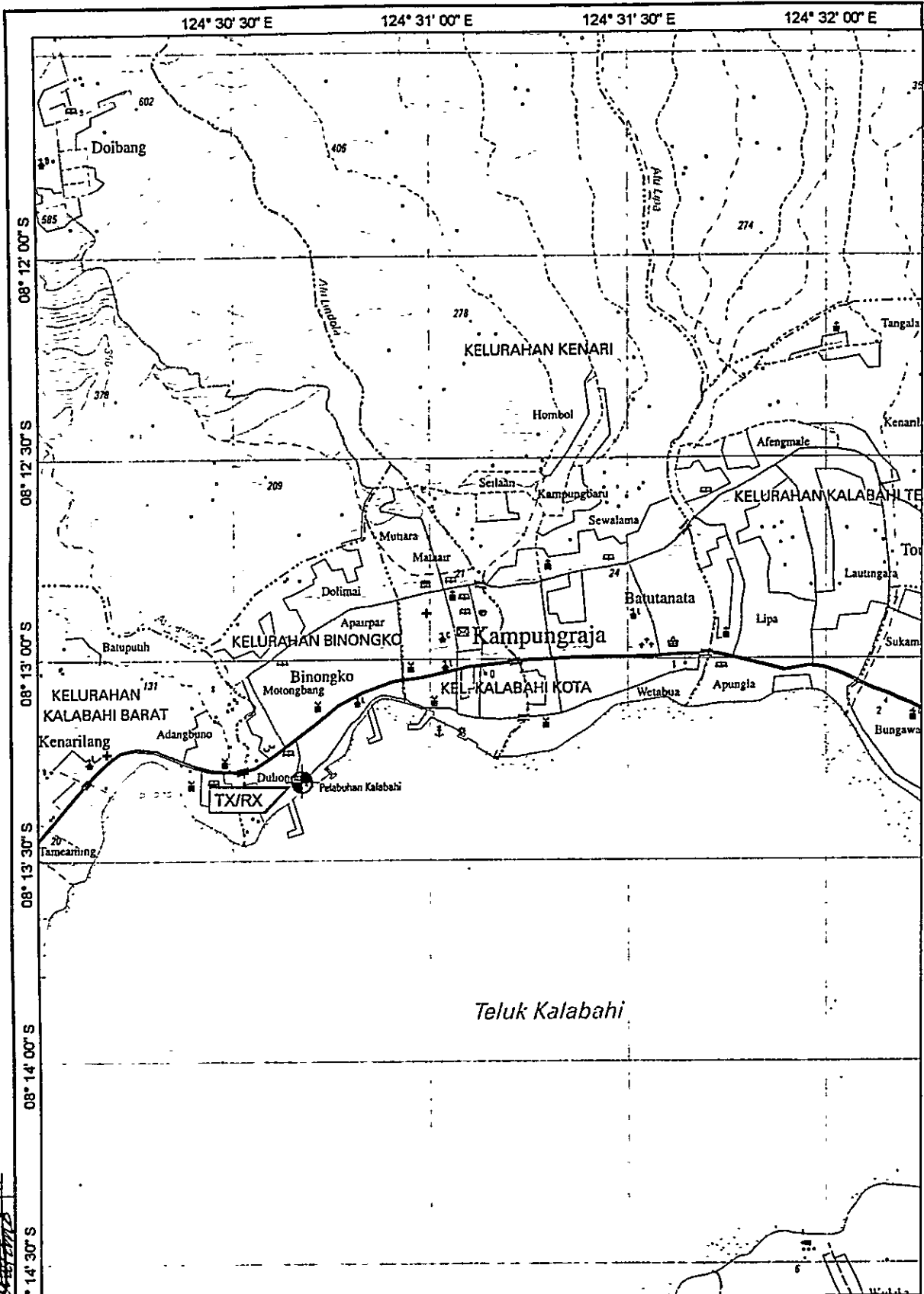
# OPERATION SCHEDULE (FREQUENCIES)

Site Name: Kalabahi

KBH-123-(1/1)

Call Sign : Mobile Service : PKD.55  
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	100																									
2	J3E	100																									
3	J3E	100																									
4	J3E	100																									
VHF Service																											
5	G3E	25																									
6	G3E	25																									
7	G3E	25																									
Fix Service																											
8	J3E	100																									
9	J3E	100																									
10	J3E	100																									
11																											
12																											
13																											
14																											
15																											
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17																											
18																											
19																											
20																											
21																											
22																											
23																											

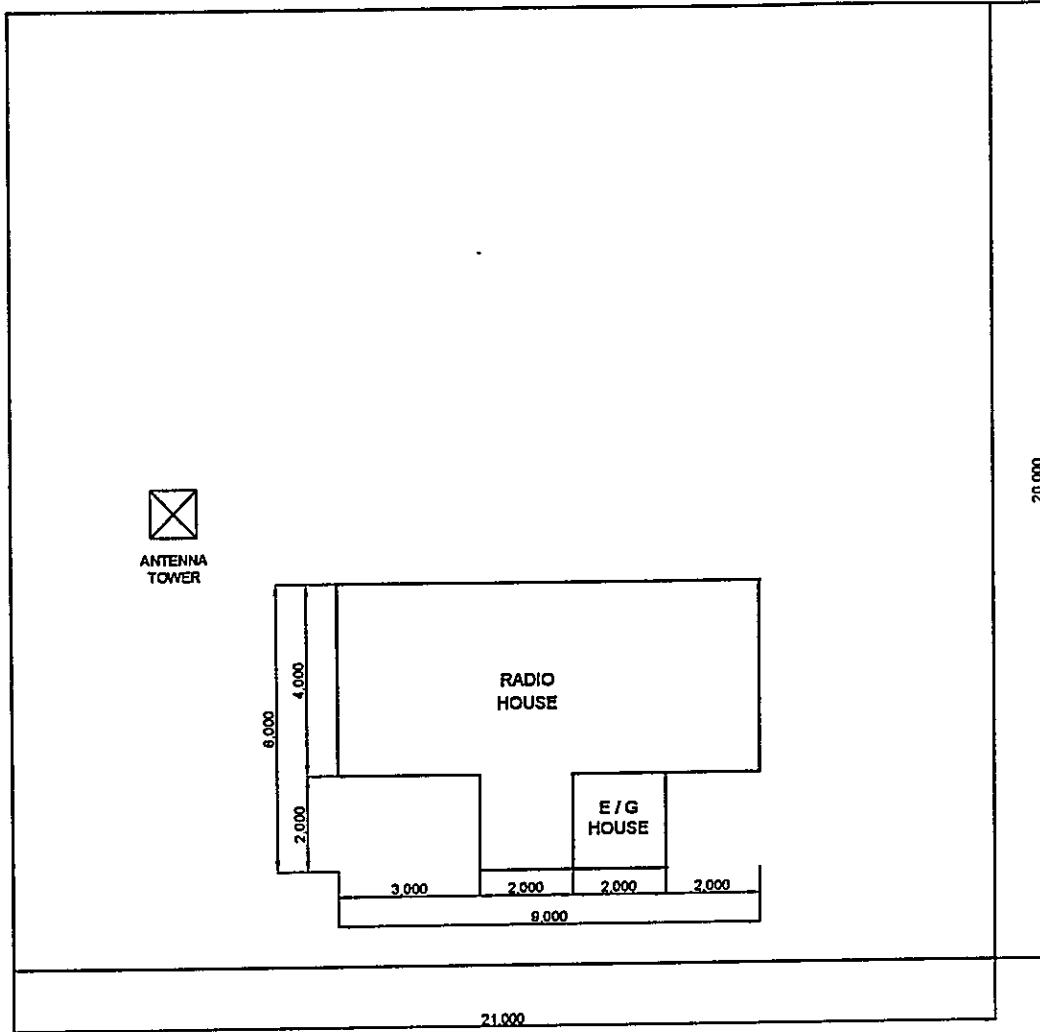
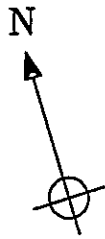


DRAWN BY AAB  
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
July 06, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 25,000	<b>KARABAH</b>	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - K, B, H, - 1, 2, 3, - 1,	

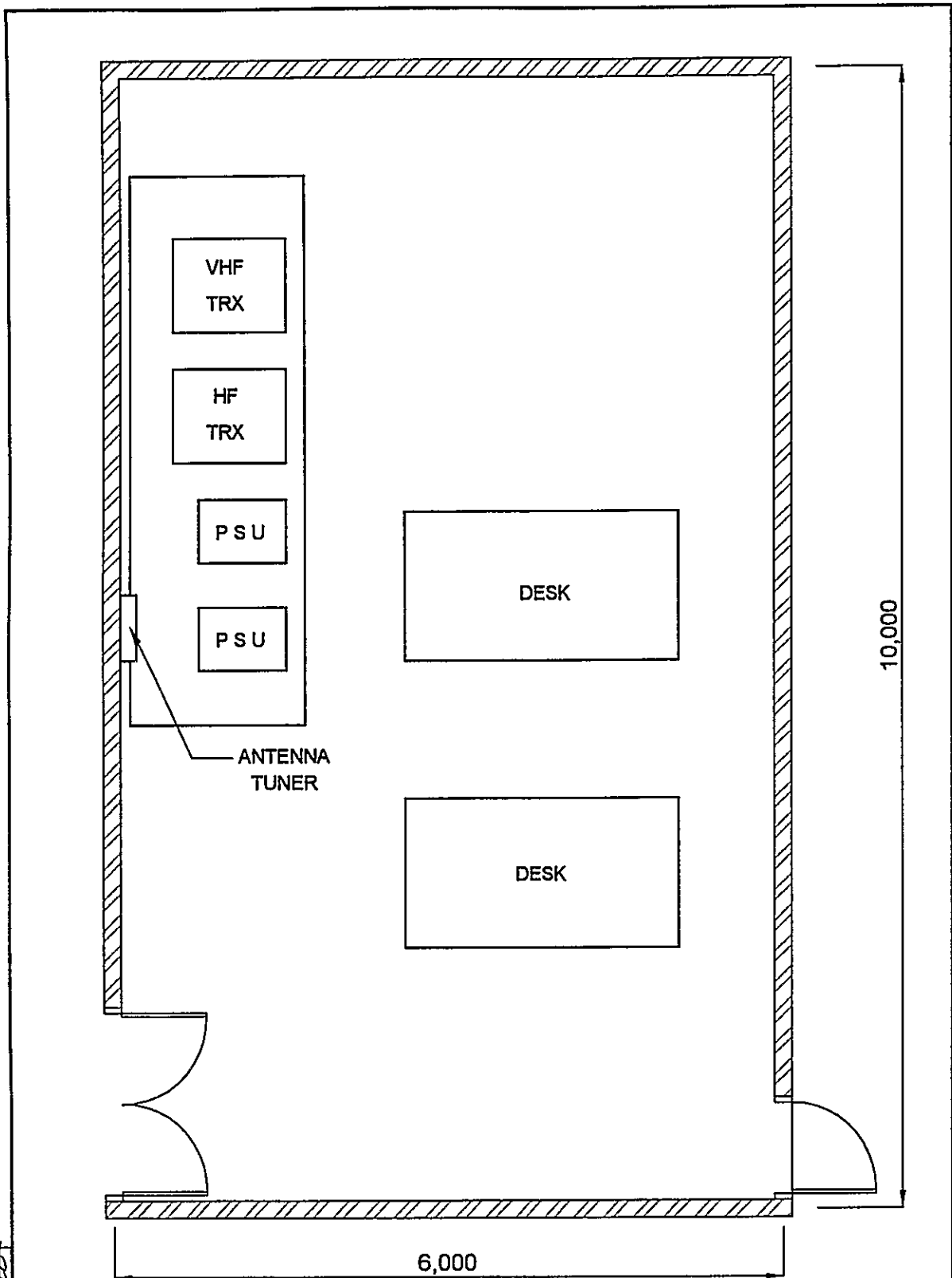
DESA MORU





DRAWN BY AAB  
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
August 01, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1 : 150	KALABAH	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, -, K, B, H, -, 1, 2, 3, -, 2,	
-  PT. Aneka Asia Buana		

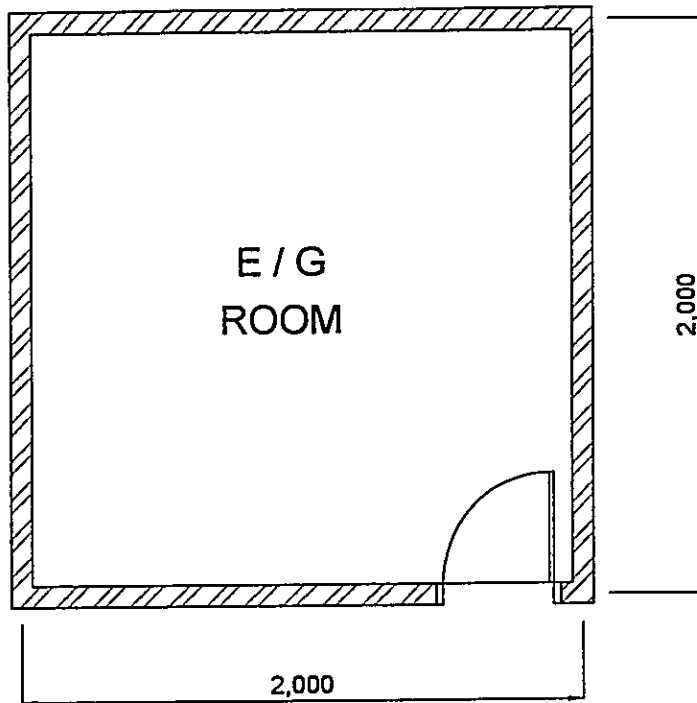



**LEGEND**



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

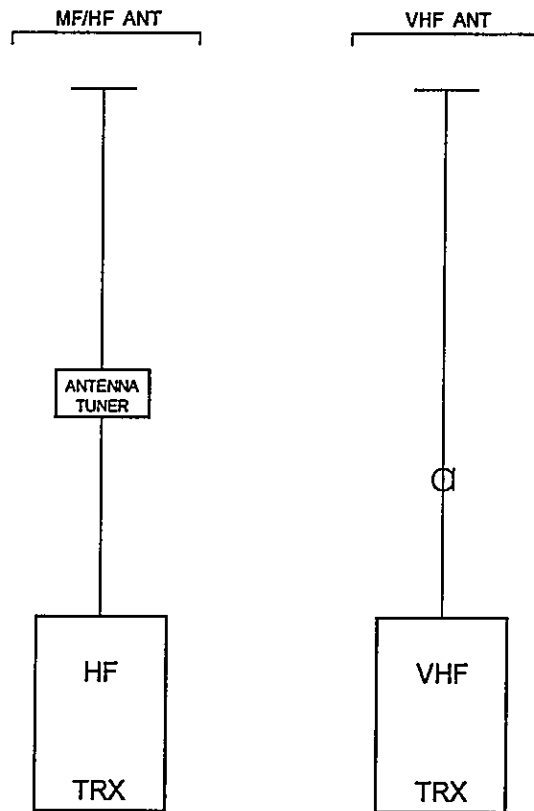
DRAWN BY AAB  
 APPROVED BY JICA

DATE July 04, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1/1
SCALE 1:50	SITE NAME <b>KALABAH</b>	
DIMENSION Milimeter	DRAWING NO. S,R,O,P,-,K,B,H,-,1,2,3,-,3,	
- <b>PT. Aneka Asia Buana</b>		



DRAWN BY AAB:   
 APPROVED BY JICA: 

DATE	DRAWING TITLE	SHEET NO.
July 04, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 25	KALABAH	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - K, B, H, - 1, 2, 3, - 4,	
 -  PT. Aneka Asia Buana		

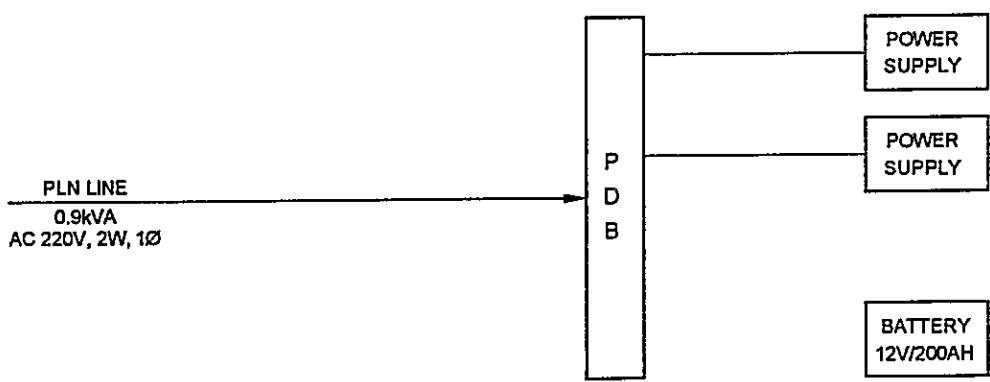


**LEGEND**

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

DRAWN BY AAB. APPROVED BY JICA.

DATE July 04, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>KALABAH</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, K, B, H, -, 1, 2, 3, -, 5,	
- <b>PT. Aneka Asia Buana</b>		



**LEGEND**

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

DRAWN BY AAB

APPROVED BY JKCA

DATE July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>KALABAH</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - K, B, H, - 1, 2, 3, - 6,	
- <b>PT. Aneka Asia Buana</b>		

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

## **4th-A Class Coast Station Larantuka (Coast Station No. 124)**

### **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**

<b>SUMMARY OF COAST STATION</b>	SITE	LARANTUKA		
	CLASS	4th-A	NO.	124

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Niaga No. 71	21153		122° 59' 25" E	08° 20' 28" S

2. GENERAL CONDITIONS					
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population	
By Air to Kupang [Taking time: 3.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel		
By Ship to Lantuka [Taking time: 8.00 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 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"/> Flood	Yes No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<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"/> 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	10.00 M	Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	100.00 m <sup>2</sup>	<input checked="" type="checkbox"/> 1 Lines	<input checked="" type="checkbox"/> <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 checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	2	<input checked="" type="checkbox"/> <input 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	10 V ± 5 %		Day tank
Flooring	Tile	Availability of power per day	24 Hours	Main tank	Liter
Room Area (m <sup>2</sup> )		Power interruption /month	Times	E/G Stand-by System	
Operation room	16.00	Total interpt. hours /month	Hours	<input type="checkbox"/> Single System	
E / G room	17.50	Max. interpt. hours at once	Hours	<input checked="" type="checkbox"/> Dual System	
Remark					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure				TX/RX				
Restoration flow		Radio equipment position is off		Chief				
Examples of major failure				Operator (skilled)		1 (1)	()	
Sufficiency of spares				Technician (skilled)		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		1		
<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 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	Surabaya	1974	I
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 checked="" 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					

<b>SUMMARY OF COAST STATION</b>	SITE	LARANTUKA		
	CLASS	4th-A	NO.	124

<b>6. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991	143	405		1996	170	145	
1997					1992	135	390		1997			
1998					1993	156	408		1998			
1999					1994	160	420		1999			
2000					1995	153	407		2000			

<b>7. COMMENTS</b>	
Suggestion	Maritime Telecommunications Services is not yet work optimally, because it is not yet completed by telephone call unit
Remarks	



# INVENTORY

Site Name: Larentuka

LTK-124- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter	IC-735	46229	ICOM	1995	Project		Good
1		MF/HF Transceiver	IC-M700	01289	ICOM	1990	Routine		Good
2		MF/HF Transceiver	IC-02N		ICOM	1995	Project		Good
3		Handy-Talky							
1-2		<b>VHF System</b>							
1		VHF Transceiver	FM-450	103112	Furuno	1985	Routine		Good
2		VHF Transceiver	IC-2000		ICOM	1999	Project		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Antenna System							
1		Antenna (For SSB)	Open Wire			1982			
2		Antenna (For SSB)	Open Wire			1995			
3		Antenna (For VHF)	Dipole			1985			
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR							
1		Power Supply	SP12B15	00187	JRC	1983			
2		Power Supply	PV-4010		VOLTA	1994	Routine		Good
3		Power Supply	AK-3030AV		AKAI	1995	Routine		Good
3-2		<b>Engine Generator</b>							
1		Engine	TS-60		Yanmar	1982			
2		Engine	TS-60		Yanmar	1982			
3		Generator	FA-3	0423359	Denyo	1982			
4		Generator	FA-3	0423287	Denyo	1982			
4		<b>Measuring Equipment</b>							
1		AVO Meter			Sanwa	1995	Routine		Good

# STATUS OF TROUBLES

SITE NAME : LARANTUKA

LTK-124-(1/1)

Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause due to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
Un-available spare part			
Un-available maintenance budget			

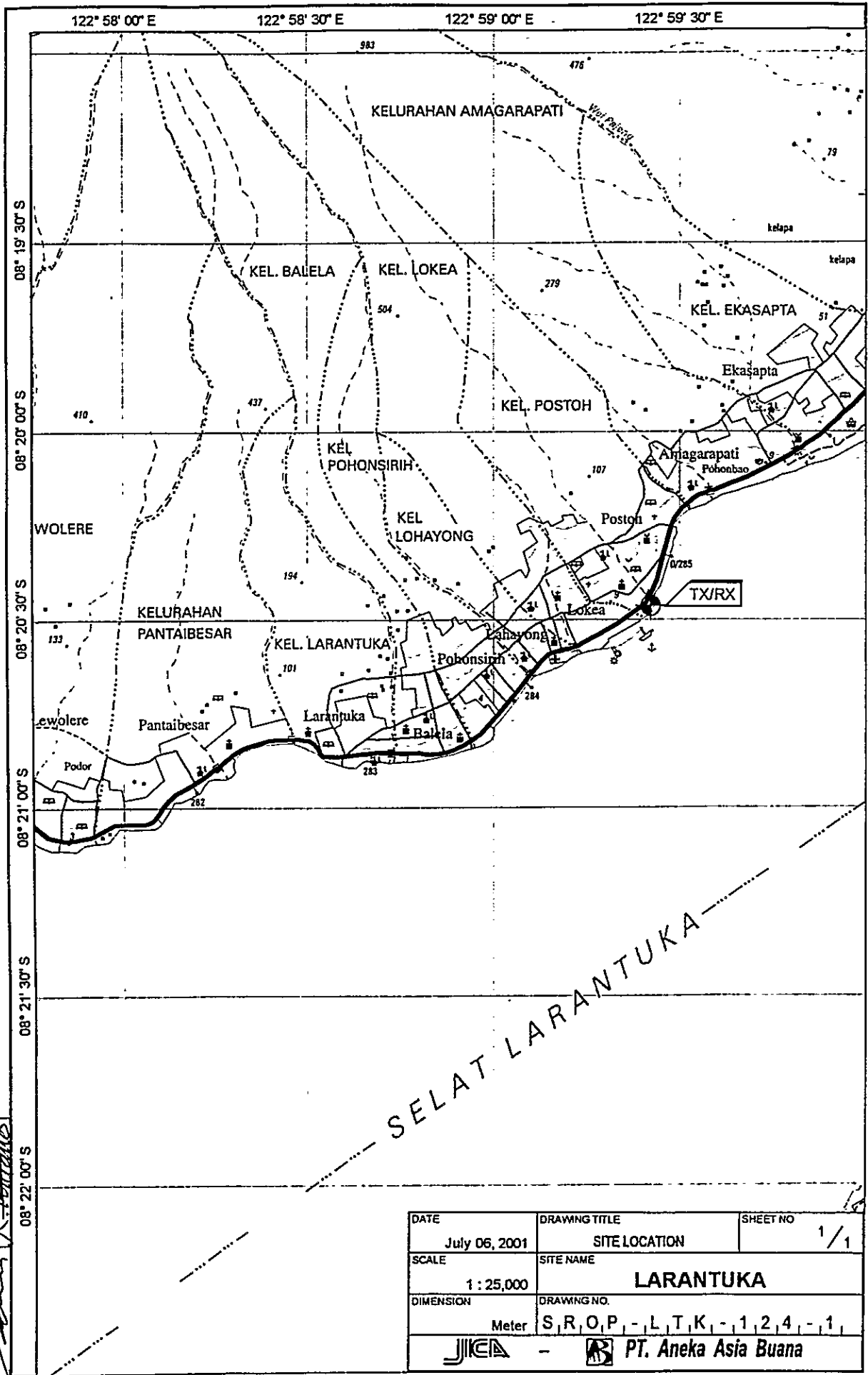
# OPERATION SCHEDULE (FREQUENCIES)

Site Name: Larrantuka

LTK-124-(1/1)

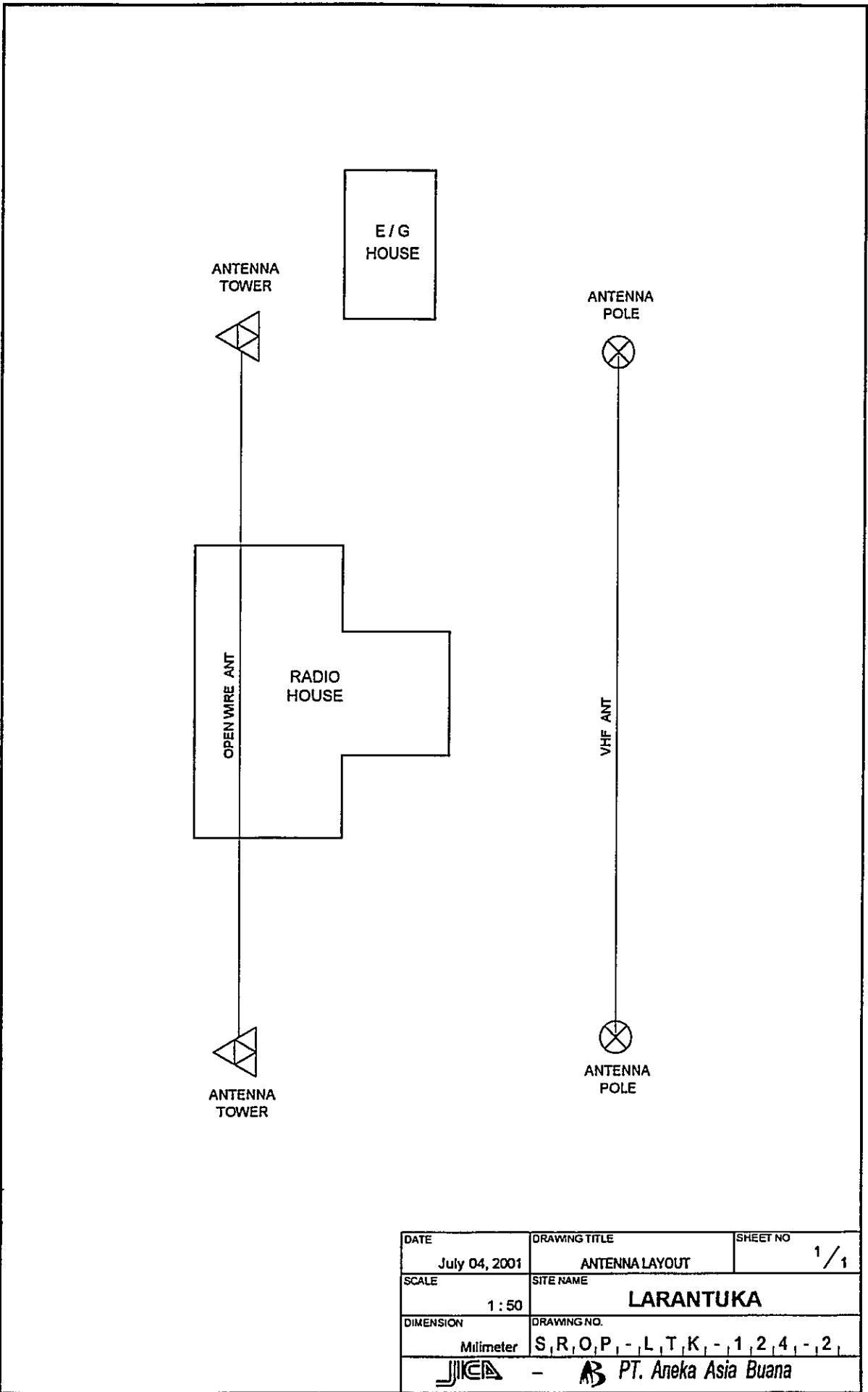
Call Sign : Mobile Service : PKD.50  
Fix Service :

	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	100																											
2	2.690,0	J3E	100																											
3	6.215,0	J3E	100																											
4	6 510,0	J3E	100																											
	VHF Service																													
	Channel-12	G3E	25																											
6	Channel-16	G3E	25																											
7	Channel-20	G3E	25																											
	Fix Service																													
8	5 165,0	J3E	100																											
9	5 316,0	J3E	100																											
10																														
11																														
12																														
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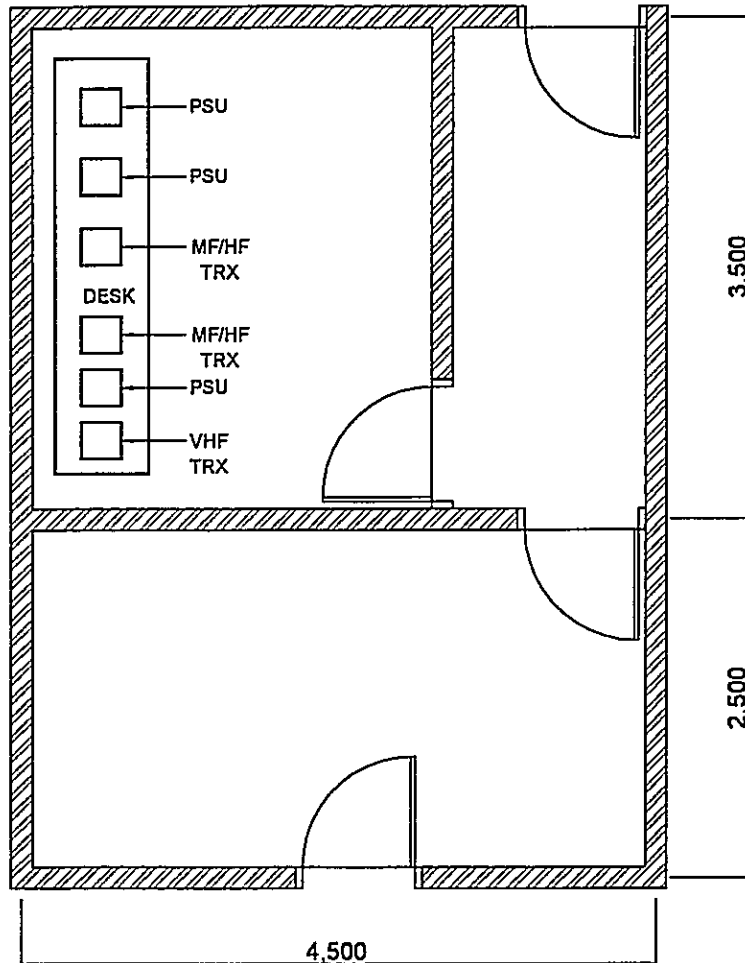
APPROVED BY JICA  
 DRAWN BY AAB

DATE July 06, 2001	DRAWING TITLE SITE LOCATION	SHEET NO 1/1
SCALE 1 : 25,000	SITE NAME <b>LARANTUKA</b>	
DIMENSION Meter	DRAWING NO. S, R, O, P, - L, T, K, - 1, 2, 4, - 1	



DRAWN BY AAB  
 APPROVED BY JICA  
*[Signature]*

DATE	DRAWING TITLE	SHEET NO
July 04, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1 : 50	LARANTUKA	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - L, T, K, - 1, 2, 4, - 2	
-  PT. Areka Asia Buana		



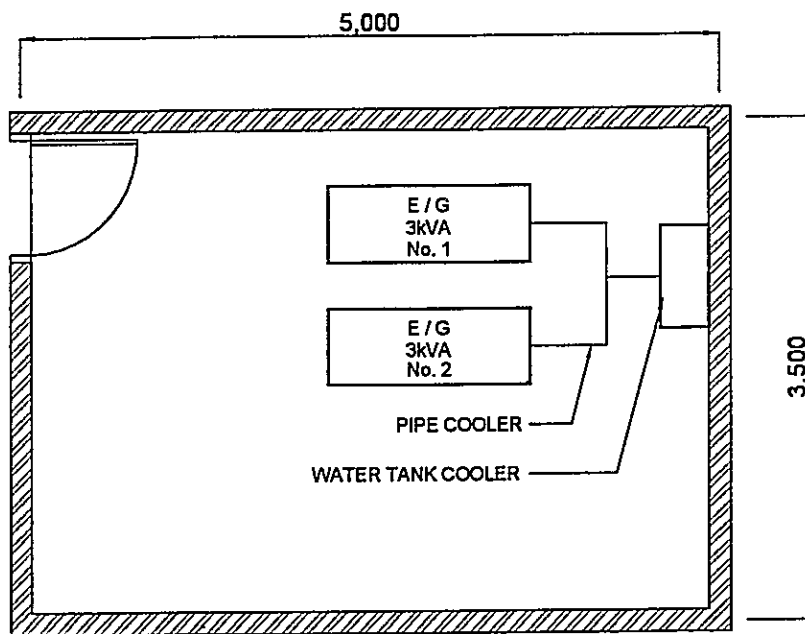
DRAWN BY AAB



APPROVED BY JICA.



**LEGEND**

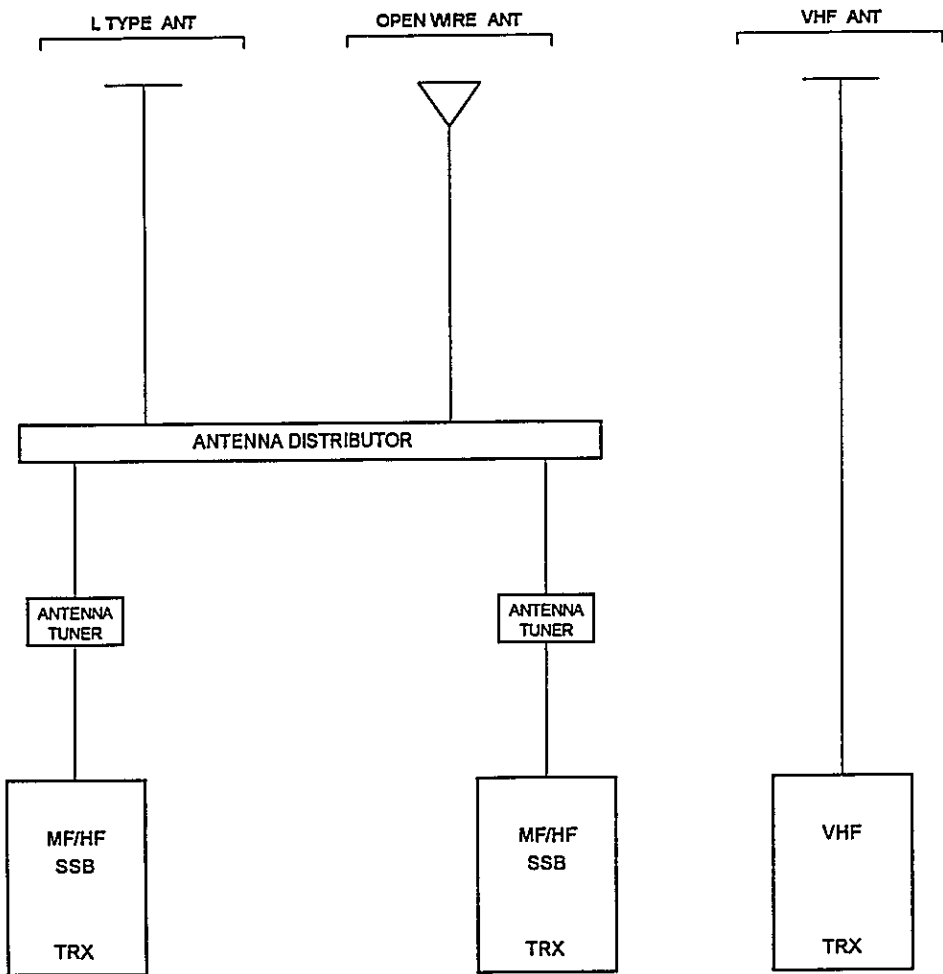
- HF . HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- PSU : POWER SUPPLY UNIT
- TRX : TRANSCEIVER (ING)

DATE July 04, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 50	SITE NAME <b>LARANTUKA</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - L, T, K, - 1, 2, 4, - 3,	



APPROVED BY JICA:   
 DRAWN BY JAB: 



DATE	DRAWING TITLE	SHEET NO.
July 04, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	LARANTUKA	
DIMENSION	DRAWING NO	
Milimeter	S R O P - L T K - 1 2 4 - 4 1	
 -  PT. Aneka Asia Buana		



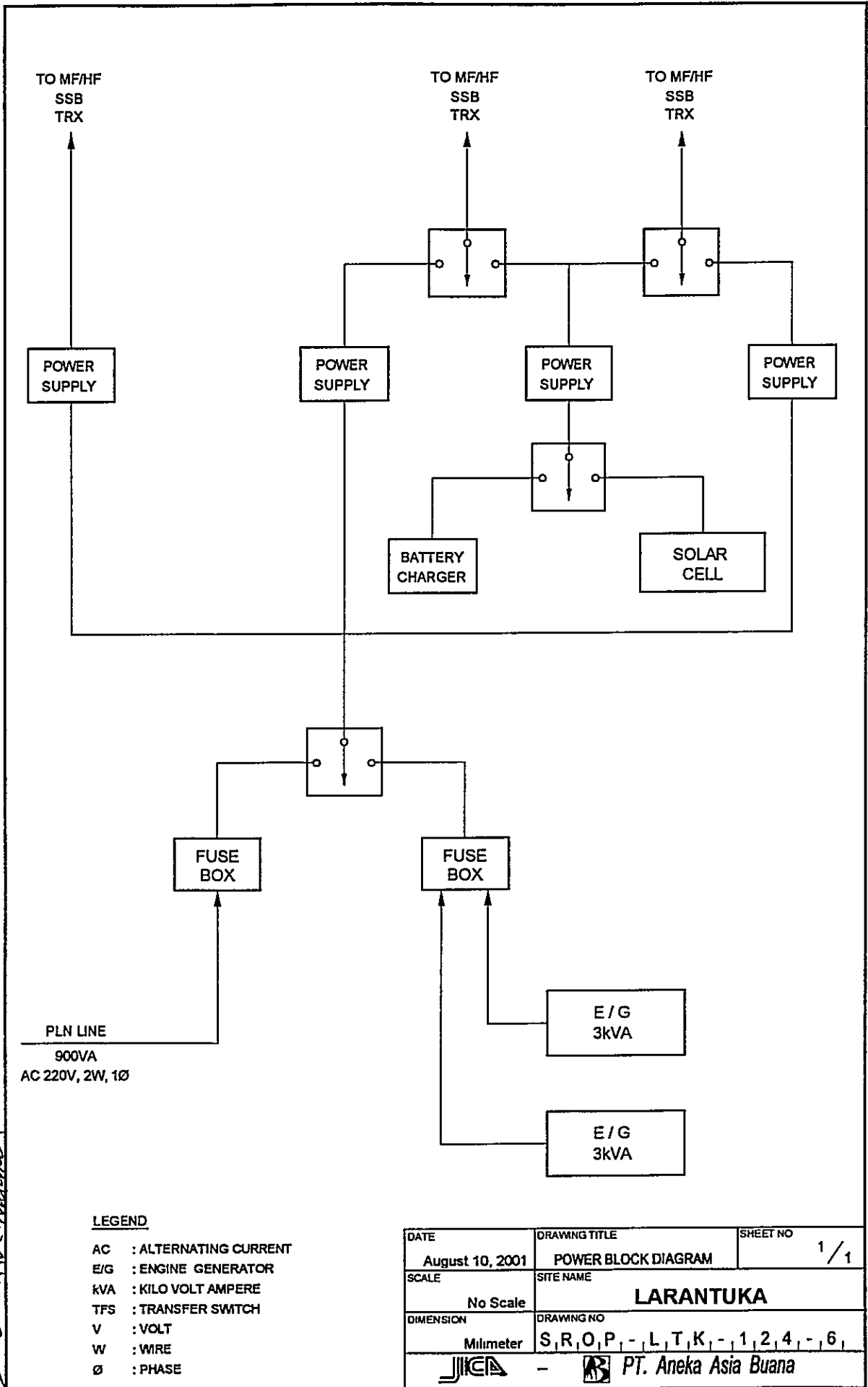
DRAWN BY AAB  
APPROVED BY JICA

**LEGEND**

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCIVER (ING)
- VHF : VERY HIGH FREQUENCY

DATE	DRAWING TITLE	SHEET NO
August 10, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	LARANTUKA	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, -, L, T, K, -, 1, 2, 4, -, 5,	
 -  PT. Aneka Asia Buana		





APPROVED BY JICA  
  
 DRAWN BY ABB

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

## **4th-A Class Coast Station Atapupu (Coast Station No. 125)**

### **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**

<b>SUMMARY OF COAST STATION</b>	SITE	ATAPUPU		
	CLASS	4th-A	NO.	125

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Tim-Tim, Atapupu			124° 51' 40" E	09° 01' 30" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kupang [Taking time: 3.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Atapupu [Taking time: 6.00 hr.]	<input checked="" 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 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 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 checked="" type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	10.00 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	1,500 m <sup>2</sup>		<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	One	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 checked="" type="checkbox"/>	<input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	3.5	<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	20 V ± 10 %		Day tank
Flooring	Tile	Availability of power per day	12 Hours	Main tank	5 Liter
Room Area (m <sup>2</sup> )		Power interruption /month	Times	E/G Stand-by System	
Operation room	24.00	Total interpt. hours /month	Hours	<input checked="" type="checkbox"/>	<input type="checkbox"/> Single System
E / G room	15.00	Max. interpt. hours at once	Hours	<input type="checkbox"/>	<input type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE					5. PERSONNEL FORMATIONS				
Actions taken in equipment failure					TX/RX				
Restoration flow		Radio equipment position is off			Chief				
Examples of major failure					Operator (skilled)		1	0	0
Sufficiency of spares					Technician (skilled)		0	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		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	Surabaya	1998	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 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 checked="" 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						

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>ATAPUPU</b>		
	<b>CLASS</b>	<b>4th-A</b>	<b>NO.</b>	<b>125</b>

<b>6. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
<b>Years</b>	<b>TG</b>	<b>TEL</b>	<b>DSC</b>	<b>NBDP</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>
						<b>Call</b>	<b>Minute</b>			<b>Call</b>	<b>Minute</b>	
<b>1996</b>					<b>1991</b>				<b>1996</b>			
<b>1997</b>					<b>1992</b>				<b>1997</b>			
<b>1998</b>					<b>1993</b>				<b>1998</b>			
<b>1999</b>					<b>1994</b>				<b>1999</b>			
<b>2000</b>					<b>1995</b>				<b>2000</b>			

<b>7. COMMENTS</b>	
<b>Suggestion</b>	Maritime Telecommunications Services is not yet work optimally, because it is not yet completed by telephone call
<b>Remarks</b>	

# INVENTORY

Site Name: Atapupu

ATP-125- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter	FS-1000	NS-5590	Furuno	1985	Routine		Good
1		SSB Transceiver	IC-M735	42050	ICOM	1995	Project		Good
2		HF SSB Transceiver							
1-2		<b>VHF System</b>							
1		VHF Transceiver	IC-02N	324224	ICOM	1994	Routine		Good
2		VHF Transceiver	FS-400	227651	Furuno	1989	Routine		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Tower & Mast	Open Wire			1994			
1		Antenna Tower	Dipole			1994			
2		Antenna Pipe							
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR	RTC			1994			
1		Power Supply	PV-4010	PV-4010	Volta	1994	Routine		Good
2		Power Supply	PV-4010	AK-3030AV	DAKAI	1995	Routine		Good
3		Accumulator 12V/200AH			ND	1994			
4		Accumulator 12V/200AH			NGS	1994			
5		Accumulator 12V/200AH			GS	1995			
6		Accumulator 12V/100AH			Yuasa	1996	Routine		Good
7		Battery Charger			Delta	1989	Routine		Good
8		Battery Charger			Yoko	1989			
4		<b>Measuring Equipment</b>							
1		Multi Meter			Sanwa	1994	Routine		Good
5		<b>Others</b>							
1		Air Conditioner 1.5PK			National	1994	Project		Good

# STATUS OF TROUBLES

SITE NAME : ATAPUPU

ATP-125-(1/1)

Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
Un-available Spare part			
Un-available maintenance budget			

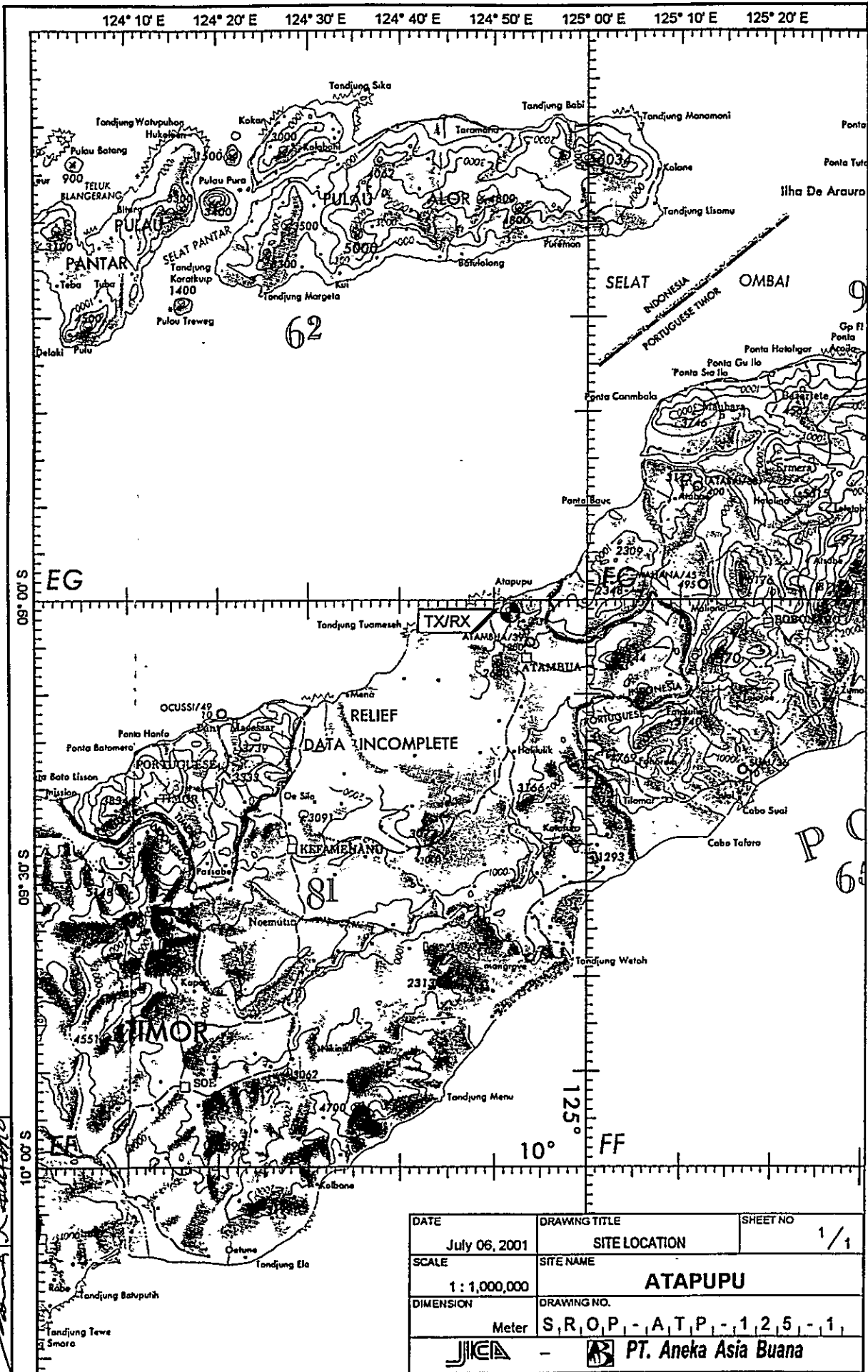
Site Name: Atapupu

ATP-125-(1/1)

# OPERATION SCHEDULE (FREQUENCIES)

Call Sign : Mobile Service : PKD.52  
 Fix Service : 8AD29

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	100																										
2	J3E	100																										
3	J3E	100																										
4	J3E	100																										
VHF Service																												
5	G3E	20																										
6	G3E	20																										
7	G3E	20																										
Fix Service																												
8	J3E	100																										
9	J3E	100																										
10	J3E	100																										
11																												
12																												
13																												
14																												
15																												
16																												
17																												
18																												
19																												
20																												
21																												
22																												
23																												

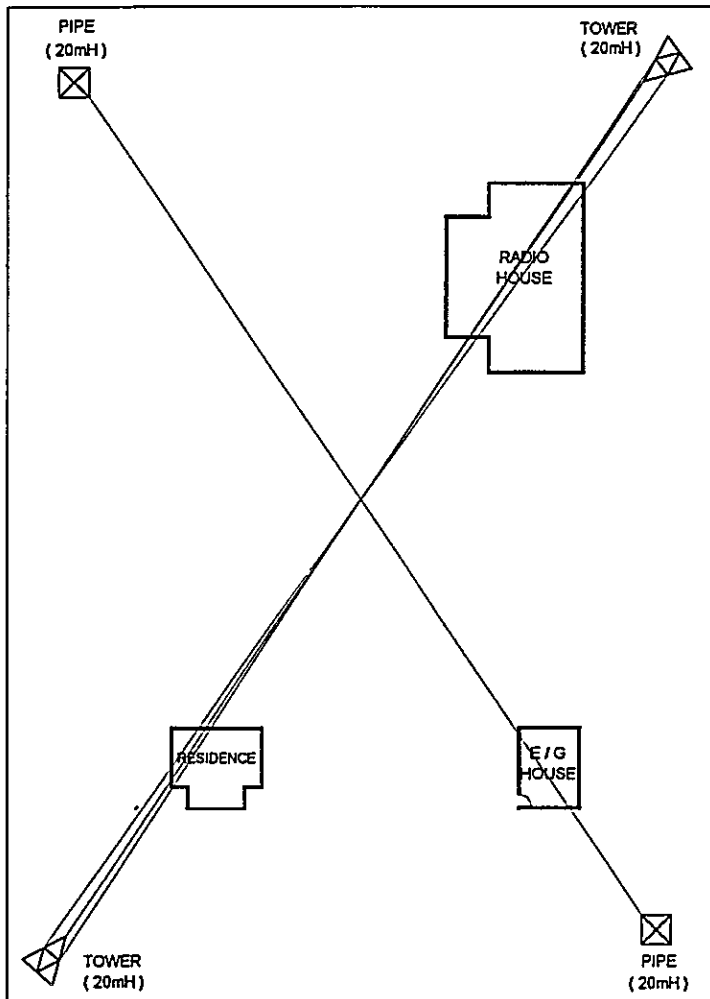


APPROVED BY JICA:  
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
July 06, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 1,000,000	ATAPUPU	
DIMENSION	DRAWING NO.	
Meter	S.R.O.P. - A.T.P. - 125 - 1	

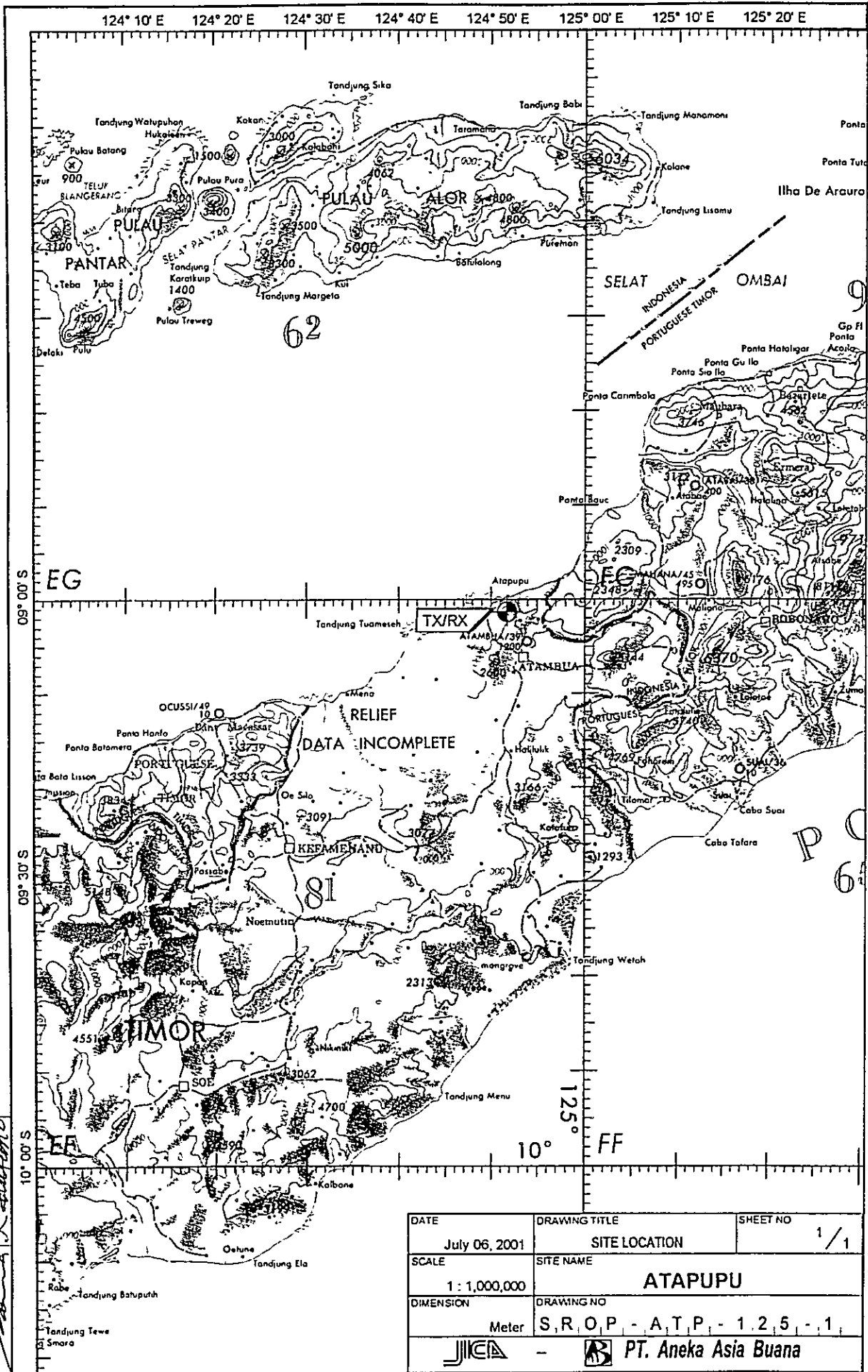


JL. TIM TIM



APPROVED BY JICA:  
DRAWN BY AAB

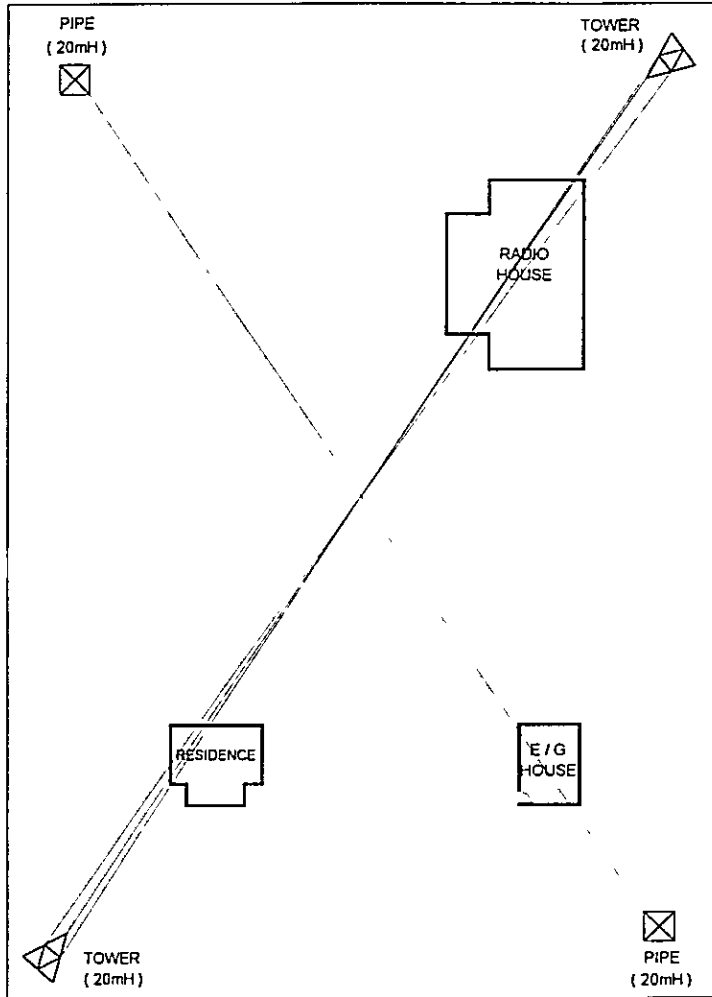
DATE July 04, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1/1
SCALE 1:50	SITE NAME ATAPUPU	
DIMENSION Milimeter	DRAWING NO. S,R,O,P,-,A,T,P,-,1,2,5,-,2,	
JICA - PT. Aneka Asia Buana		



DRAWN BY AAR  
 APPROVED BY JICA

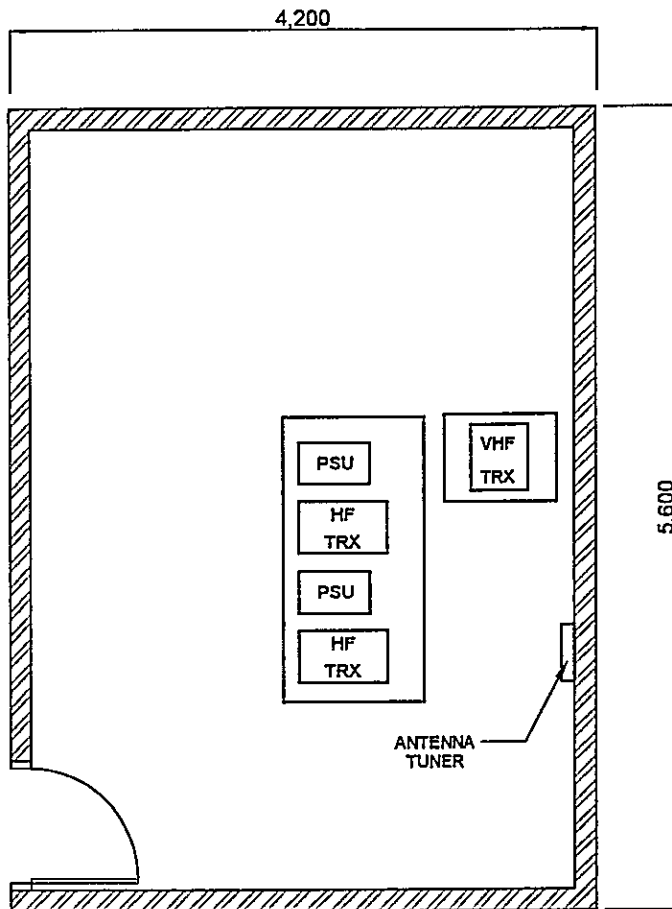
DATE	DRAWING TITLE	SHEET NO
July 06, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 1,000,000	ATAPUPU	
DIMENSION	DRAWING NO	
Meter	S, R, O, P - A, T, P - 1, 2, 5 - 1	

JL TIM TIM



DRAWN BY AAB  
 APPROVED BY JICA

DATE July 04, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO 1 / 1
SCALE 1 50	SITE NAME ATAPUPU	
DIMENSION Milimeter	DRAWING NO S R, O, P, - A, T, P, - .1 2.5 - .2.	

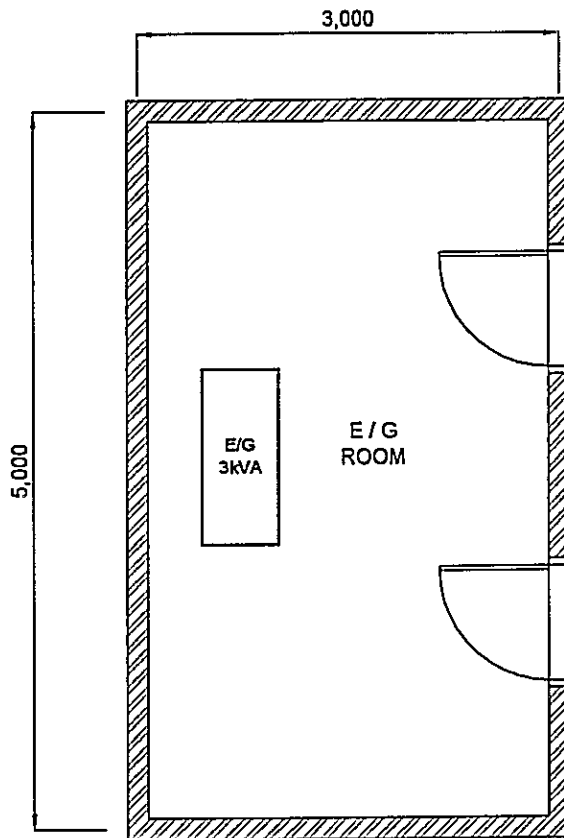


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 APPROVED BY JICA

**LEGEND**

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



DATE July 04, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1/1
SCALE 1:50	SITE NAME <b>ATAPUPU</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, A, T, P, -, 1, 2, 5, -, 3,	
- <b>PT. Aneka Asia Buana</b>		

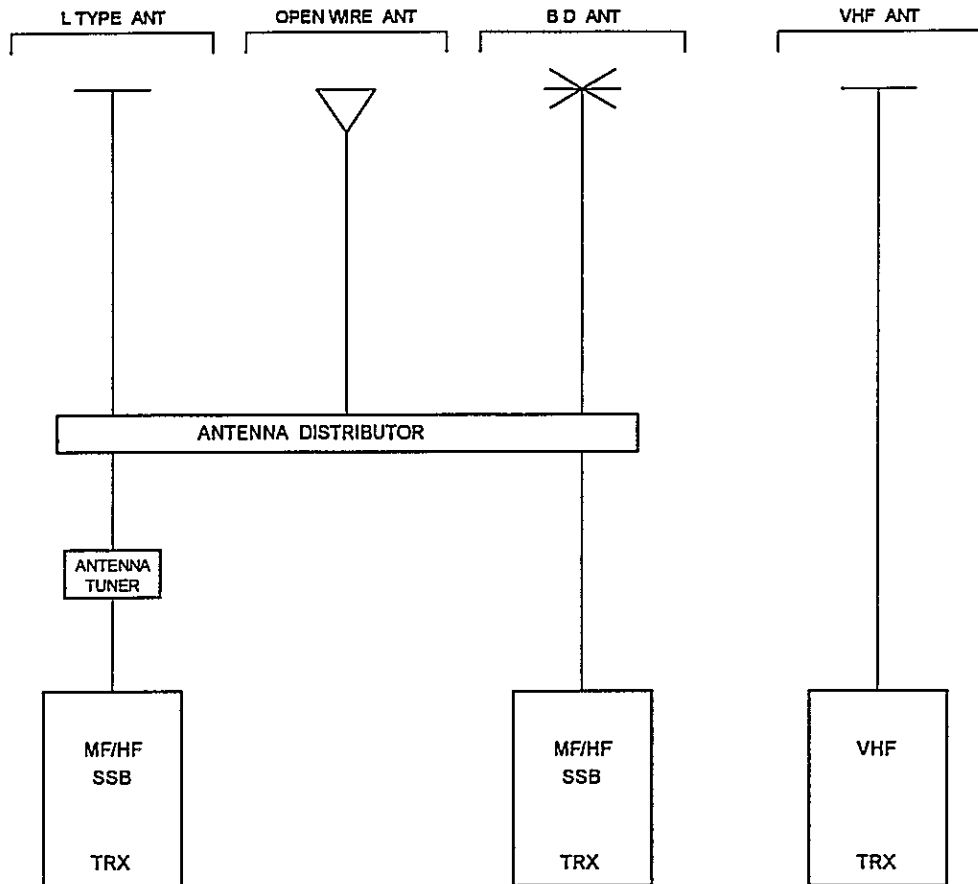


**LEGEND**

E/G : ENGINE GENERATOR  
 KVA : KILO VOLT AMPERE

DRAWN BY AAB  
 APPROVED BY JICA  


DATE July 04, 2001	DRAWING TITLE E/G FLOOR LAYOUT	SHEET NO 1/1
SCALE 1 : 50	SITE NAME ATAPUPU	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, A, T, P, -, 1, 2, 5, -, 4,	
	-	 PT. Aneka Asia Buana

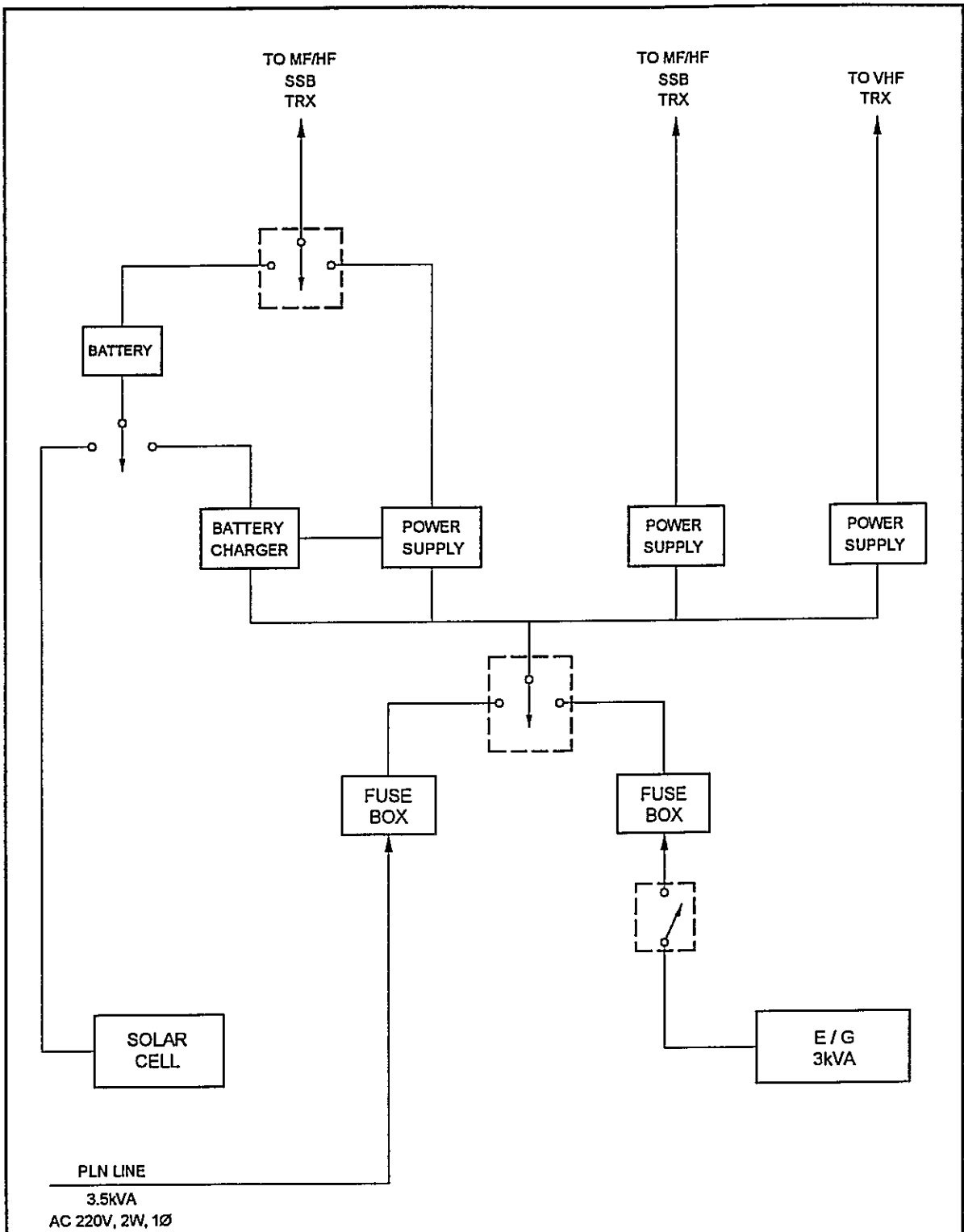


**LEGEND**

- ANT : ANTENNA
- BD : BROADBAND DIPOLE
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCEIVER (ING)
- VHF : VERY HIGH FREQUENCY

DRAWN BY AAB  
 APPROVED BY JICA



DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>ATAPUPU</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, A, T, P, -, 1, 2, 5, -, 5,	
-  PT. Aneka Asia Buana		



**LEGEND**

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

APPROVED BY JCA.  
 DRAWN BY AAB.

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	ATAPUPU	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - A, T, P, - 1, 2, 5, - 6,	
 -  PT. Aneka Asia Buana		

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

## **4th-A Class Coast Station Reo (Coast Station No. 126)**

### **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**



<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>REO</b>		
	<b>CLASS</b>	4th-A	<b>NO.</b>	126

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Pelabuhan Kedindi, Reo			120° 27' 08" E	08° 17' 10" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kupang [Taking time: 3.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Reo [Taking time: 24.00 hr.]	<input checked="" 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
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input checked="" 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	1,010 m <sup>2</sup>		<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"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	0.9	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine
Wall finish	Painting	Fluctuations	10 V ± 5 %	Day tank
Flooring	Tile	Availability of power per day	12 Hours	Main tank
		Power interruption /month	Times	E/G Stand-by System
Operation room	16.00	Total interpt. hours /month	Hours	<input checked="" type="checkbox"/> Single System
E / G room	4.00	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	Radio equipment position is off			Chief				
Examples of major failure				Operator (skilled)		1	()	
Sufficiency of spares				Technician (skilled)		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	Operator	Oru	Jakarta	1982	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 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 checked="" 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					

<b>SUMMARY OF COAST STATION</b>	SITE	REO		
	CLASS	4th-A	NO.	126

**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 Services is not yet work optimally, because it is not yet completed by telephone call
Remarks	

# INVENTORY

Site Name: Reo

REQ-126- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter	RCF-7724		REC	1981	Routine		Damaged
2		MF/HF Transceiver	IC-735		ICOM	1993	Routine		Good
3		MF/HF Transceiver	TRC-80		Kenwood	1997	Project		Good
1-2		<b>VHF System</b>							
1		VHF Transceiver	IC-M127		ICOM	1997	Project		Good
2		HT Transceiver	IC-02N		ICOM	1996	Routine		Good
2		<b>Power Supply Equipment</b>							
2-1		UPS & AVR							
1		Power Supply			Volta	1997	Project		Good
2		Power Supply			Bell	1987	Routine		Good
3		Battery Charger	28 AMP		Delta	1997	Project		Good
2-2		<b>Engine Generator</b>							
1		Generator Set	TF-105H		Yanmar	1997	Project		Good
3		<b>Others</b>							
1		Air Conditioning			Uchida	1997	Project		Good

# STATUS OF TROUBLES

SITE NAME : REO

REO-126-(1/1)

Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
Un-available spare part			
Un-available maintenance budget			

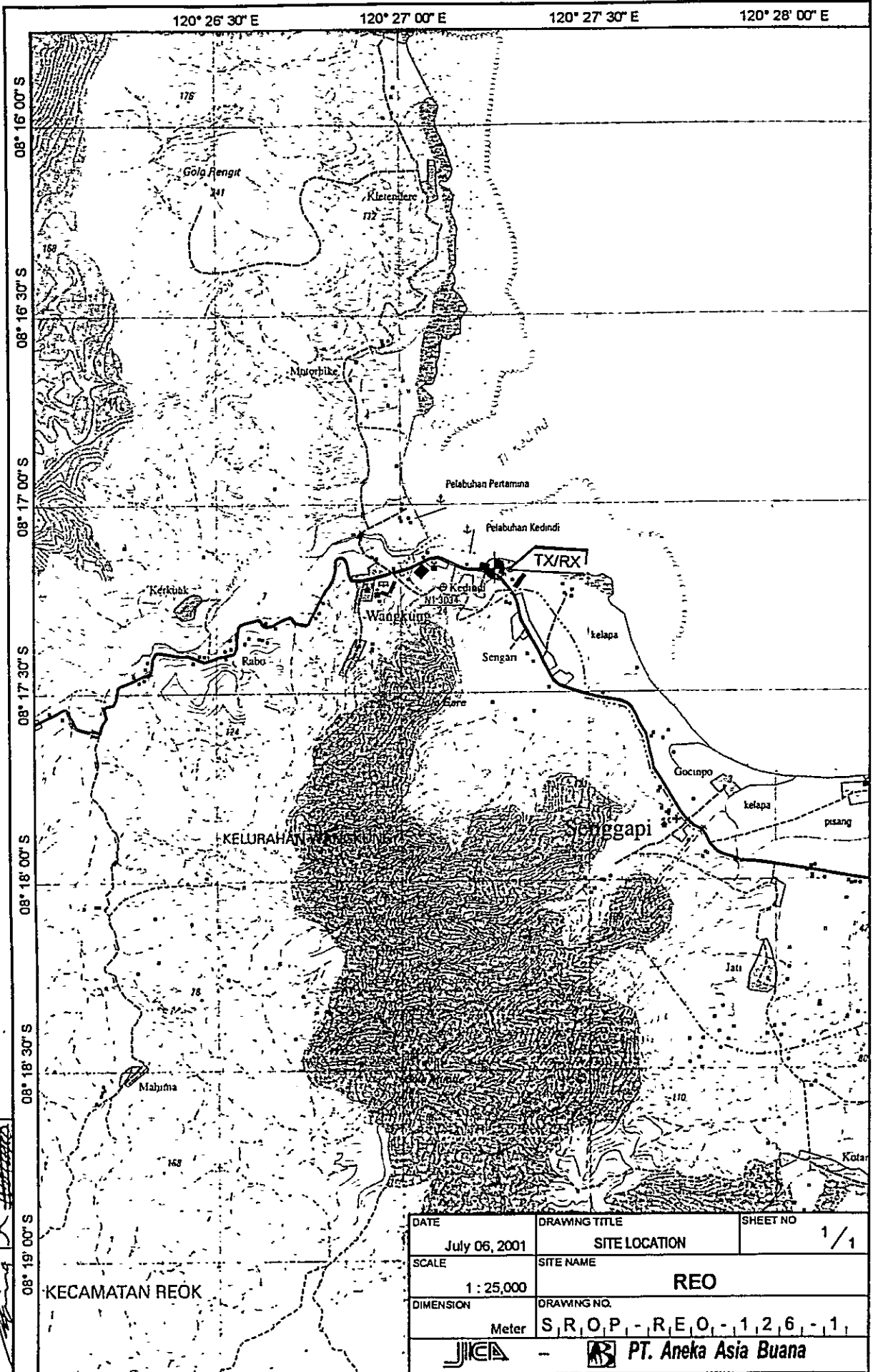
# OPERATION SCHEDULE (FREQUENCIES)

Site Name: Reo

REO-126-(1/1)

Call Sign : Mobile Service : PKD.48  
Fix Service : 8AD27

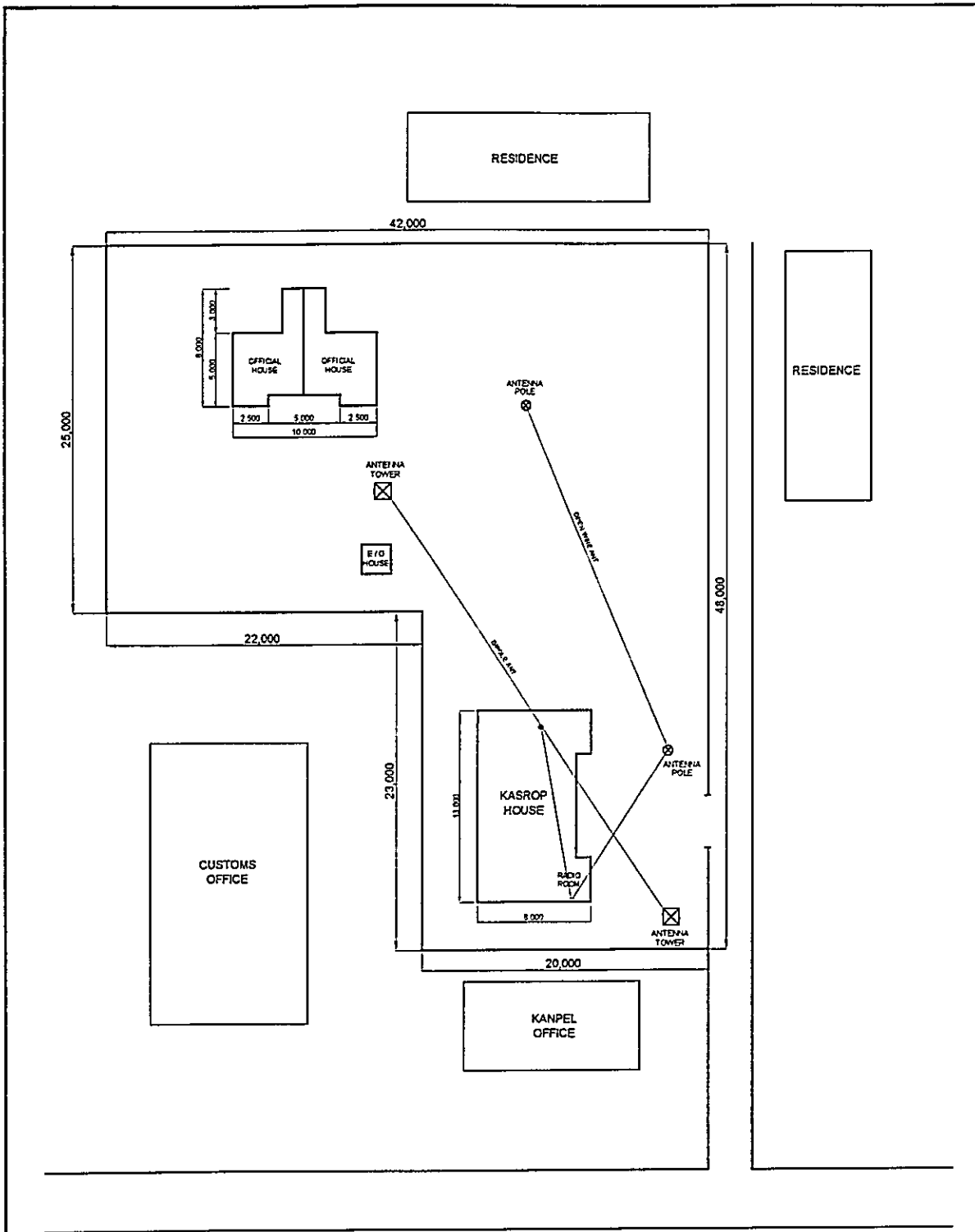
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mobile Service																												
1	2 182,0	J3E	100																									
2	2 690,0	J3E	100																									
3	6 215,0	J3E	100																									
4	6 510,0	J3E	100																									
VHF Service																												
5	Channel-12	G3E	20																									
6	Channel-16	G3E	20																									
7	Channel-20	G3E	20																									
Fix Service																												
8	5 165,0	J3E	100																									
9	5 316,0	J3E	100																									
10	8 110,0	J3E	100																									
11																												
12																												
13																												
14																												
15																												
16																												
17																												
18																												
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22																												
23																												



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

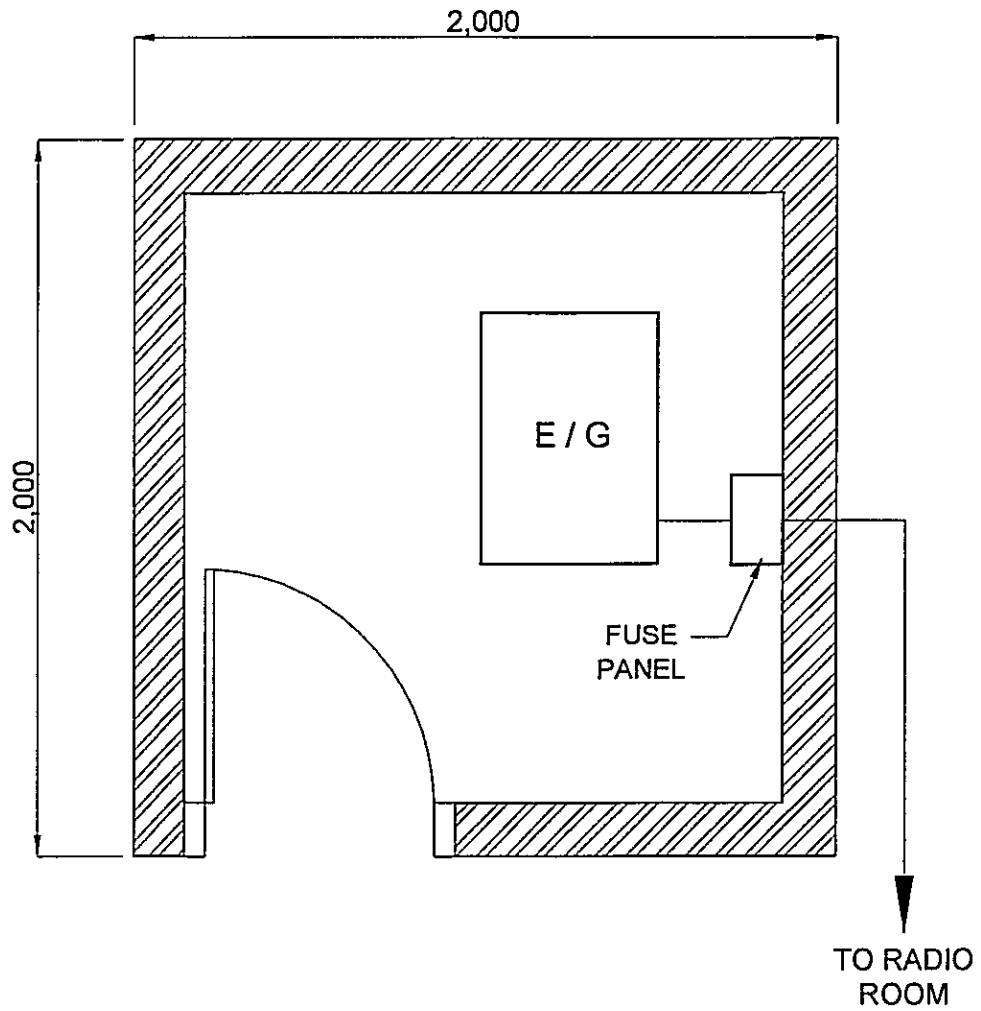
KECAMATAN REOK

DATE	DRAWING TITLE	SHEET NO
July 06, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 25,000	REO	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - R, E, O, - 1, 2, 6, - 1	





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

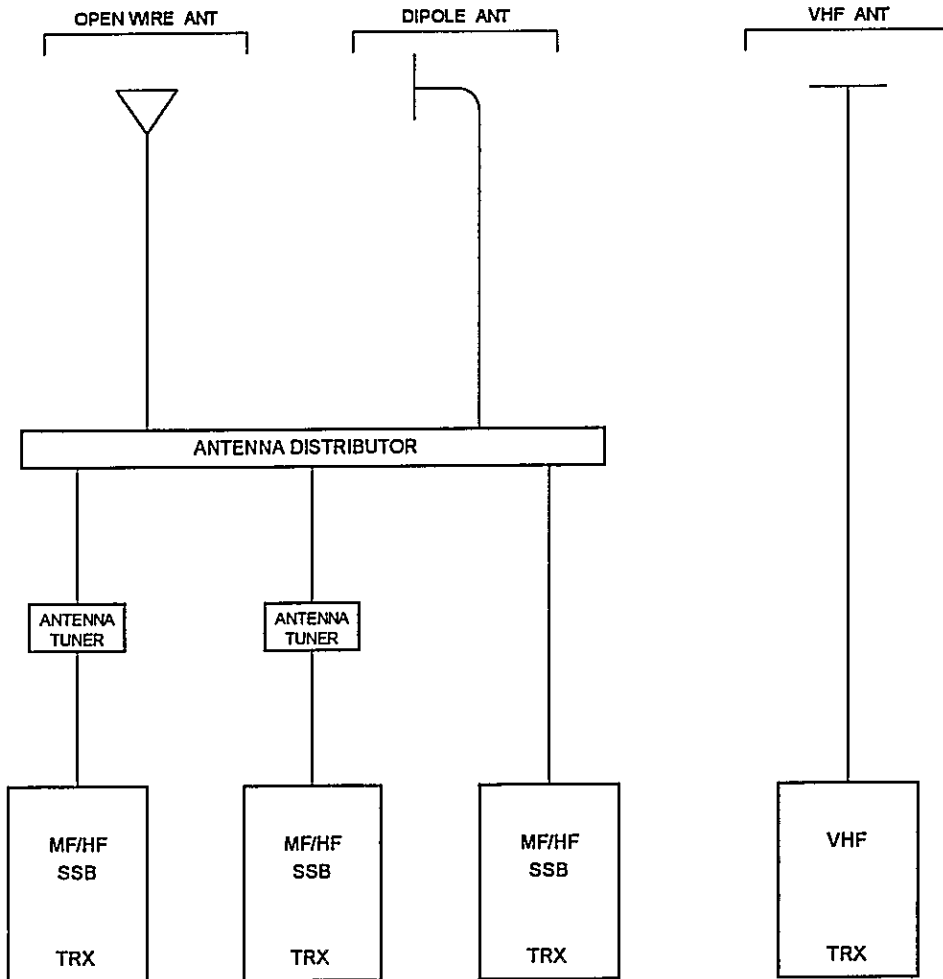
DATE	DRAWING TITLE	SHEET NO
August 01, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1 : 400	REO	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - , R, E, O - , 1, 2, 6, - , 2,	



DRAWN BY ABB  
 APPROVED BY JICA  


DATE	DRAWING TITLE	SHEET NO
August 03, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 20	REO	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - R, E, O, - 1, 2, 6, - 4,	
 -  PT. Aneka Asia Buana		



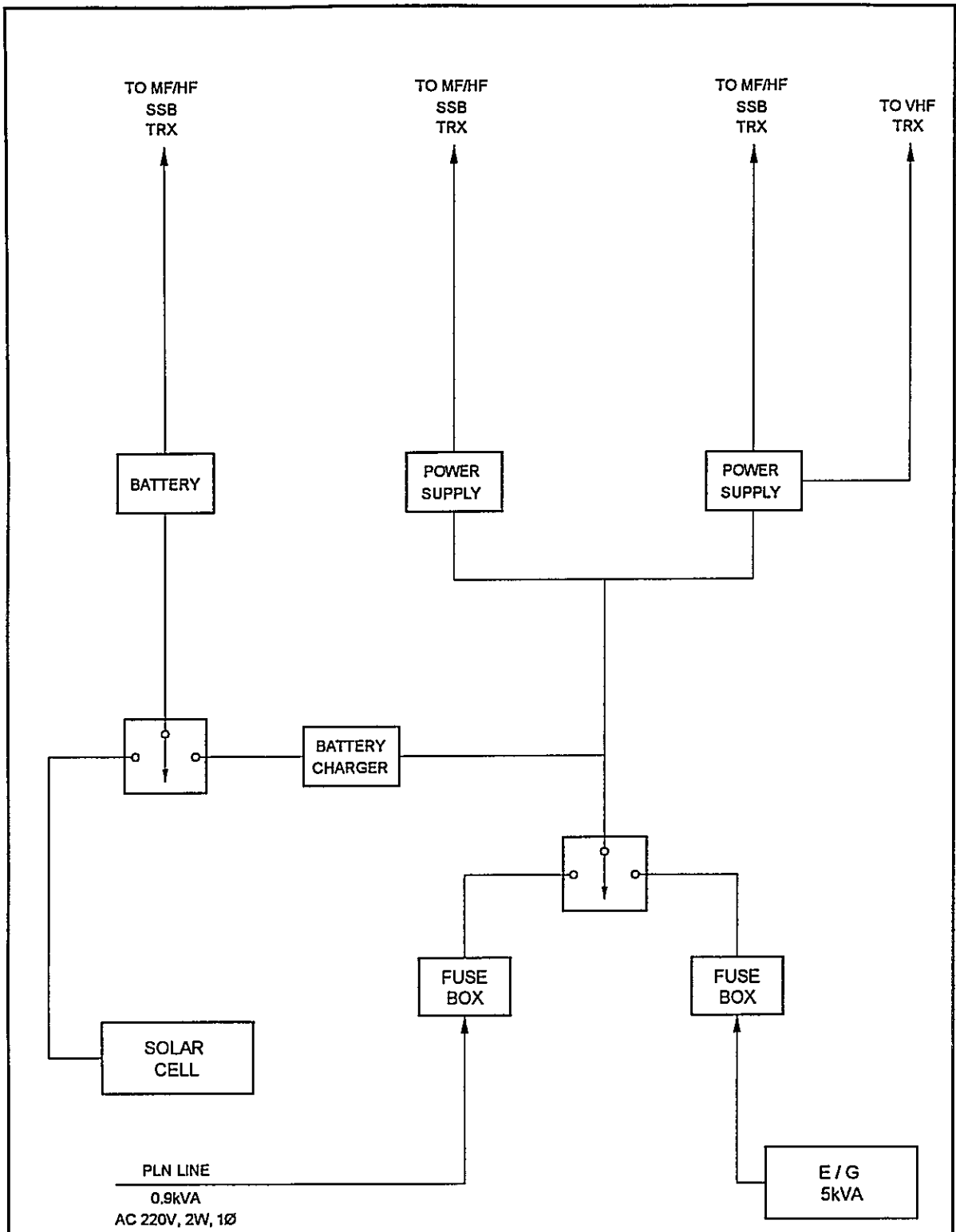


**LEGEND**

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCIVER ( ING )
- VHF : VERY HIGH FREQUENCY

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

DATE	DRAWING TITLE	SHEET NO
August 10, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	REO	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - R, E, O, - 1, 2, 6, - 5,	
-  PT. Aneka Asia Buana		



**LEGEND**

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

APPROVED BY JICA  
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
August 10, 2001	POWER BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	REO	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, -, R, E, O, -, 1, 2, 6, -, 6,	
-  PT. Aneka Asia Buana		

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

**4th-A Class Coast Station  
Seba  
(Coast Station No. 127)**

## **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**

<b>SUMMARY OF COAST STATION</b>	SITE	SEBA		
	CLASS	4thA	NO.	127

<b>1. LOCATION</b>					
<b>Station</b>	<b>Address</b>	<b>Tel.</b>	<b>Fax</b>	<b>Longitude</b>	<b>Latitude</b>
TX/RX	Kompleks Menara Suar			121° 50' 00" E	10° 30' 00" N

<b>2. GENERAL CONDITIONS</b>					
<b>Moving from Jakarta</b>		<b>Site Access from Port</b>		<b>Road Traffic</b>	
By Air	to Kupang [Taking time: 3:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Seba [Taking time: 12:00 hr.]	<input checked="" 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		

<b>3. CONDITIONS OF STATION</b>	Refer to attached drawing
---------------------------------	---------------------------

<b>3.1 Site Conditions</b>					
<b>Topography</b>		<b>Nature of Soil</b>		<b>Past disaster of site</b>	
<input 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 checked="" type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
<b>Altitude</b>	5.00 M		<b>Telephone Lines</b>		<input checked="" type="checkbox"/> Feeder Cable Way
<b>Land area</b>	m <sup>2</sup>		<input type="checkbox"/> Lines		<input type="checkbox"/> City water

<b>3.2 Building Conditions</b>			<b>3.3 Power Source</b>		
<b>Constructions</b>			<b>PLN Source</b>	<b>E/G</b>	<b>Existing Power Conditions</b>
Num. of story	One	Voltage	220 V	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	0.5		<input type="checkbox"/> Operations of AVR
Type of wall	Brick	<b>Quality of PLN source</b>		<b>Capacity of fuel for engine</b>	
Wall finish	Painting	Fluctuations	10 V ± 5 %		Day tank Liter
Flooring	Mortar	Availability of power per day	12 Hours	Main tank	k Liter
<b>Room Area (m<sup>2</sup>)</b>		<b>Power interruption /month</b>		<b>E/G Stand-by System</b>	
Operation room		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
<b>Remark</b>					

<b>4. OPERATION AND MAINTENANCE</b>				<b>5. PERSONNEL FORMATIONS</b>					
<b>Actions taken in equipment failure</b>									
Restoration flow	Radio equipment position is off			Chief					
Examples of major failure				Operator (skilled)	1	0	0		
Sufficiency of spares				Technician (skilled)	0	0	0		
<b>Records of damages</b>		<b>Environmental Conditions</b>		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									
<b>Institutional and Human Statuses</b>				<b>Training Record</b>					
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 type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>SEBA</b>		
	<b>CLASS</b>	<b>4thA</b>	<b>NO.</b>	<b>127</b>

<b>6. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
<b>Years</b>	<b>TG</b>	<b>TEL</b>	<b>DSC</b>	<b>NBDP</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>	<b>Years</b>	<b>Telephone</b>		<b>TG Call</b>
						<b>Call</b>	<b>Minute</b>			<b>Call</b>	<b>Minute</b>	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

<b>7. COMMENTS</b>	
<b>Suggestion</b>	Not so many communications, because incoming and outgoing ships traffic to Seba was small
<b>Remarks</b>	

# INVENTORY

Site Name: Seba

SBA-127- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Transmitter	IC-735		ICOM	1995	Project		Good
1		MF/HF Transceiver							
1-2		VHF System			Furuno	1984	Routine		Good
1		VHF Transceiver	FM-450						
2		<b>Measuring Equipment</b>							
1		Multi Tester			Sanwa	1991	Routine		Good

# STATUS OF TROUBLES

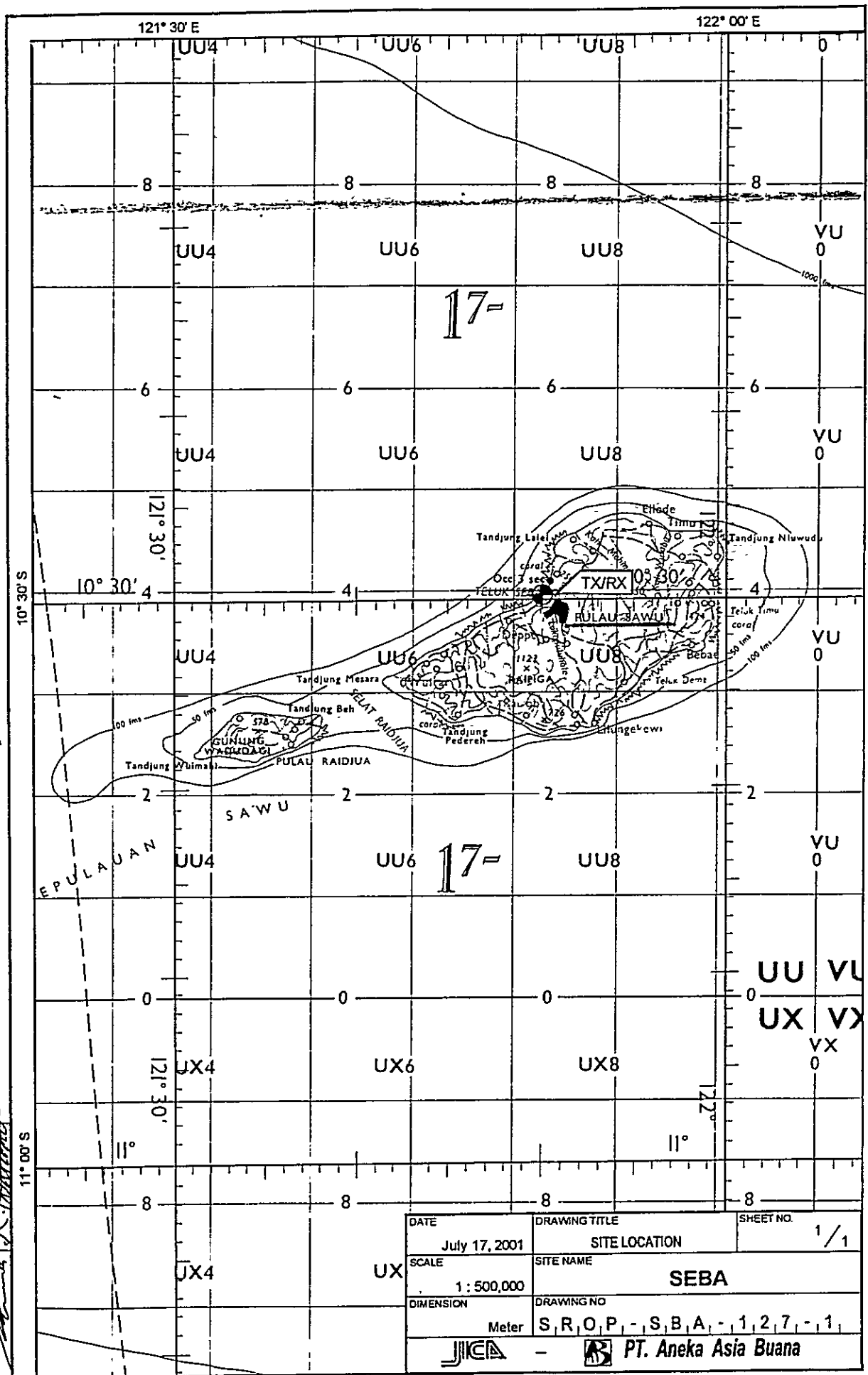
SITE NAME : SEBA

SBA-127-(1/1)

Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input type="checkbox"/> Aging		
	<input type="checkbox"/> Lightning		
	<input type="checkbox"/> Corrosion		
	<input type="checkbox"/> Lack of Spares		
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>		Repairing to be: <input type="checkbox"/> Immediacy <input type="checkbox"/> By next year budget <input type="checkbox"/> By next project <input type="checkbox"/> Unnecessary	
Not yet completed by Radio equipment, for the time being is using Seba's Menara Suar Radio The building utilized official house Seba Menara Suar Request for own building construction completed with the equipment			

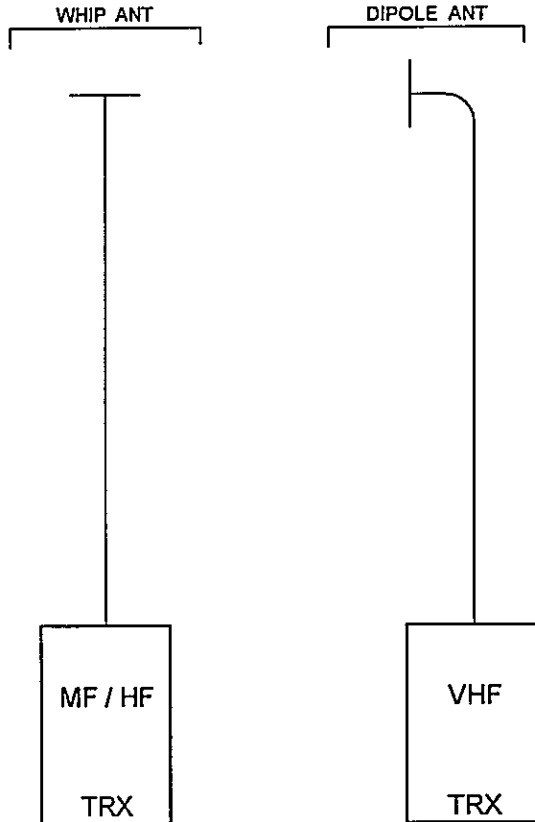






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DATE	July 17, 2001	DRAWING TITLE	SITE LOCATION	SHEET NO.	1/1
SCALE	1 : 500,000	SITE NAME	SEBA		
DIMENSION	Meter	DRAWING NO	S, R, O, P, - S, B, A, - 1, 2, 7, - 1,		



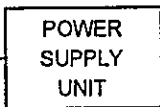
**LEGEND**

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCIVER ( ING )
- VHF : VERY HIGH FREQUENCY

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DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>SEBA</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, B, A, -, 1, 2, 7, -, 5,	
-  PT. Aneka Asia Buana		

PLN LINE  
500VA  
AC 220V, 2W, 1Ø



TO HF/VHF  
TRX

**LEGEND**

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

DRAWN BY: AAB  
 APPROVED BY: JICA

DATE July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>SEBA</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, B, A, -, 1, 2, 7, -, 6,	
-  PT. Aneka Asia Buana		