

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

4th-B Class Coast Station Majene (Coast Station No. 158)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	MAJENE		
	CLASS	4th-B	NO.	158

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Ammana Wewang 21, Majene 91411			118° 58' 00" E	03° 32' 40" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Makassar [Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Location [Taking time: 7.00 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 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
Altitude	7.00 M		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	m ²		<input type="checkbox"/> 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	Good Bad	
Structure	Concrete	Phase	1	<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	0.9	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month	10 Times	E/G Stand-by System	
Operation room	12 00	Total interpt. hours /month	10 Hours	<input type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	1 Hours	<input type="checkbox"/> Dual System	
Remark					

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

SUMMARY OF COAST STATION	SITE	MAJENE		
	CLASS	4th-B	NO.	158

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

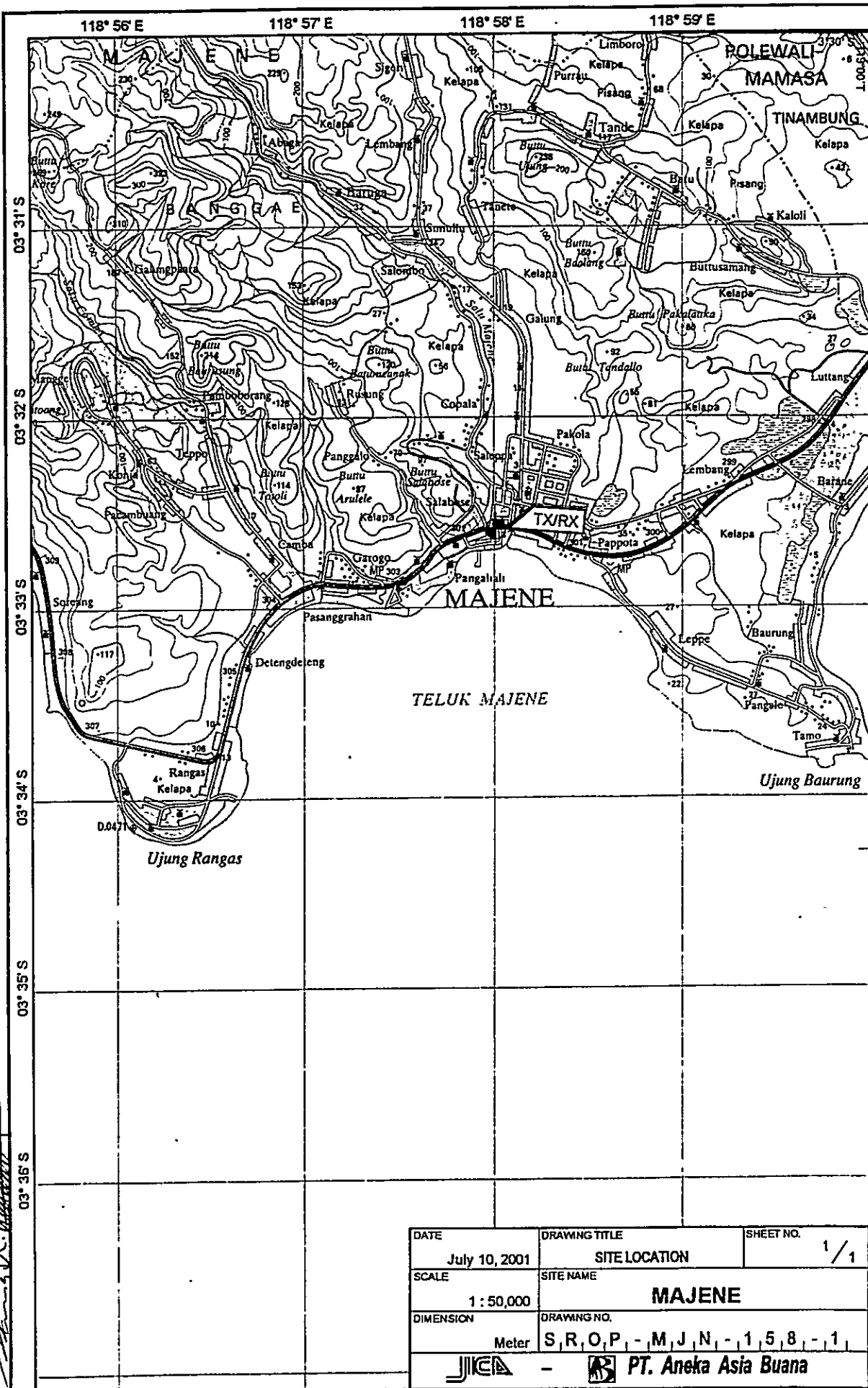
7. COMMENTS	
Suggestion	
Remarks	Coast Station not yet use for public correspondence

INVENTORY

Site Name: Majene

MJN-158-(1/1)

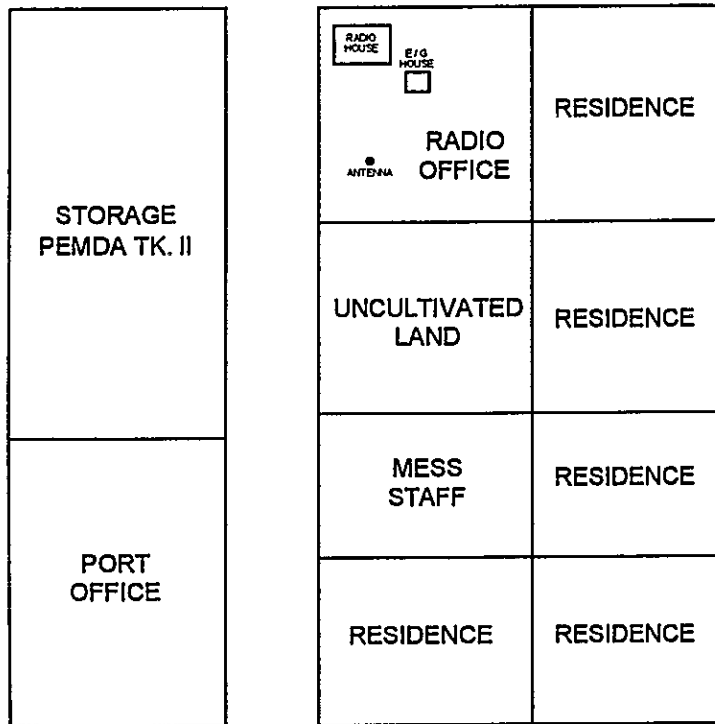
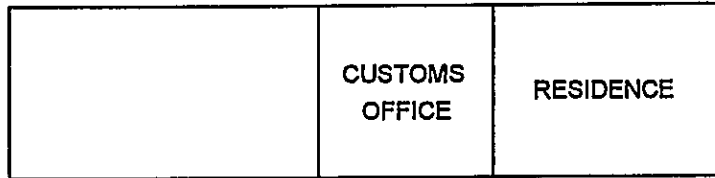
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1		Radio Equipment Transmitter MF/HF Transceiver	IC-M77	04621	ICOM	1996			Good



DRAWN BY AAB

APPROVED BY JICA

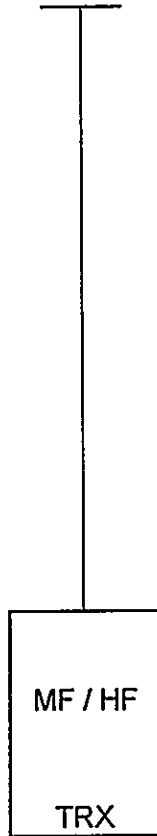
DATE	DRAWING TITLE	SHEET NO.
July 10, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 50,000	MAJENE	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - M, J, N, - 1, 5, 8, - 1	
- PT. Aneka Asia Buana		



DRAWN BY AAB
APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
August 02, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 750	MAJENE	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - M, J, N, - 1, 5, 8, - 2, 1	
JICA		PT. Aneka Asia Buana

WHIP ANT



LEGEND

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

DRAWN BY AAB.
APPROVED BY JICA.
[Signature]

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME MAJENE	
DIMENSION Millimeter	DRAWING NO S, R, O, P, -, M, J, N, -, 1, 5, 8, -, 5	
JICA - PT. Aneka Asia Buana		

PLN LINE
0.9KVA
AC 220V, 2W, 1Ø



TO MF/HF
TRX

LEGEND

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

DRAWN BY AAB
 APPROVED BY JICA.
[Signature]

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	POWER BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	MAJENE	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - M, J, N, - 1, 5, 8, - 6, 1	
- PT. Aneka Asia Buana		

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

**4th-B Class Coast Station
Bajoe
(Coast Station No. 159)**

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	BAJOE		
	CLASS	4th-B	NO.	159

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan No. 21, Bajoe Watampone	21436		120° 23' 25" E	04° 23' 56" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Makassar [Taking time: 2:00 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Location [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"/> Limestone	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Flood	<input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input checked="" type="checkbox"/> Sandy	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> Lightning system
		<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Feeder Cable Way
		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> City water
Altitude	3.00 M	Telephone Lines	
Land area	m ²	<input checked="" type="checkbox"/> 1 Lines	

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	1	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input 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	220 V ± 10 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month	10 Times	E/G Stand-by System	
Operation room	12.00	Total interpt. hours /month	10 Hours	<input type="checkbox"/>	Single System
E / G room		Max. interpt. hours at once	1 Hours	<input type="checkbox"/>	Dual System
Remark					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure				TX/RX				
Restoration flow	Request for technician			Chief	1			
Examples of major failure				Operator (skilled)	()			
Sufficiency of spares	Not enough			Technician (skilled)	()			
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises	Total 1			
<input type="checkbox"/> Lightning		<input 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					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	BAJOE		
	CLASS	4th-B	NO.	159

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	Coast Station equipment replaced in Port Office. Radio Communication only for official used, as the channel for commandant of Ditjen Hubla and used for SAR communication
Remarks	Operated by Kanpel Staff

INVENTORY

Site Name: Bajoe

BJO-159- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1		Radio Equipment Transmitter MF/HF Transceiver	IC-M77	04928	ICOM	1996			Good

OPERATION SCHEDULE (FREQUENCIES)

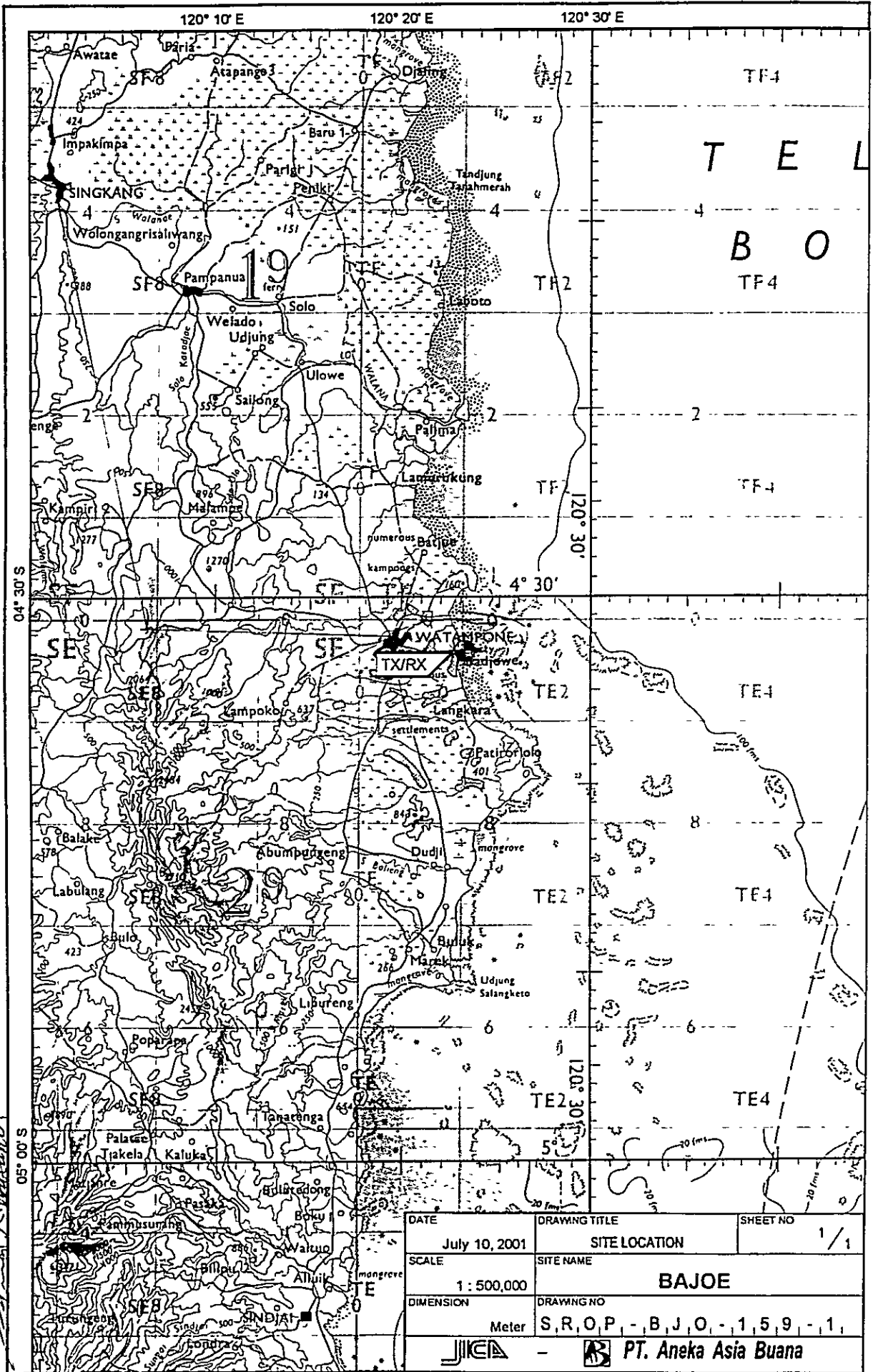
Site Name: Bajoe

BJO-159-(1/1)

Call Sign : Mobile Service : PKF.32

Fix Service :

FREQ (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 6 215,0	J3E	100																									
Fix Service																											
3 5 165,0	J3E	100																									
4 5 295,5	J3E	100																									
5																											
6																											
7																											
8																											
9																											
10																											
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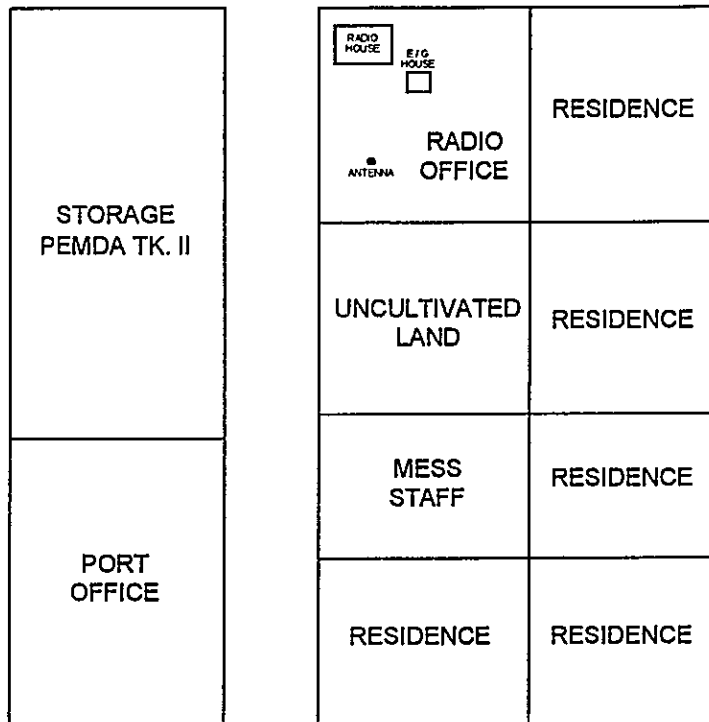
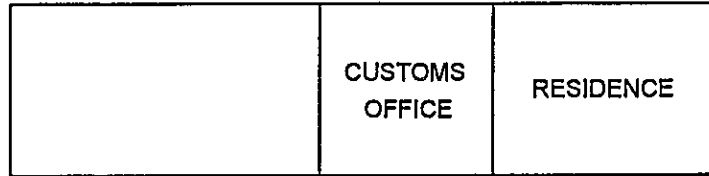


TE L



B O

DATE	DRAWING TITLE	SHEET NO
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	BAJOE	
DIMENSION	DRAWING NO	
Meter	S, R, O, P, - B, J, O, - 1, 5, 9, - 1,	
JICA	PT. Aneka Asia Buana	

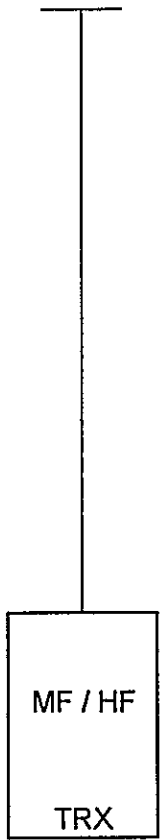
APPROVED BY JICA
 DRAWN BY AAB



DRAWN BY AAB
 APPROVED BY JICA


DATE August 02, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1/1
SCALE 1 : 750	SITE NAME BAJOE	
DIMENSION Milimeter	DRAWING NO S, R, O, P - B, J, O - 1, 5, 9 - 2	
 -  PT. Aneka Asia Buana		

WHIP ANT

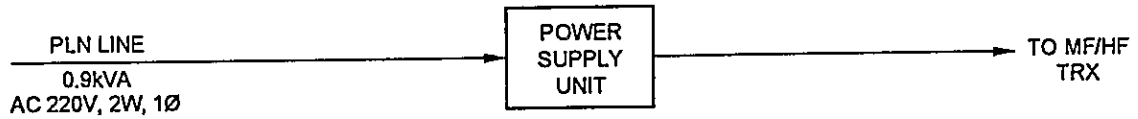


DRAWN BY: AAB
APPROVED BY: JICA: [Signature]

LEGEND

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



DATE	DRAWING TITLE	SHEET NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	BAJOE	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - B, J, O, - 1, 5, 9, - 5,	
JICA - PT. Aneka Asia Buana		



LEGEND

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

APPROVED BY JICA: 
 DRAWN BY AAB: 

DATE July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME BAJOE	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - B, J, O, - 1, 5, 9, - 6,	
 -  PT. Aneka Asia Buana		

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

4th-B Class Coast Station Selayar (Coast Station No. 160)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	SELAYAR		
	CLASS	4th-B	NO.	160

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pemuda Benteng Selayar 92812	0414-21499		120° 27' 30" E	06° 07' 10" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Makassar [Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Location [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		

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

3.1 Site Conditions					
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	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"/> 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
Altitude	2.00 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	m ²		<input checked="" type="checkbox"/> 1 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 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	1.3	<input type="checkbox"/> <input type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m²)		Power interruption /month	10 Times	E/G Stand-by System	
Operation room	12.00	Total interpt. hours /month	10 Hours	<input type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	1 Hours	<input type="checkbox"/> Dual System	
Remark					

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

SUMMARY OF COAST STATION	SITE	SELAYAR		
	CLASS	4th-B	NO.	160

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			

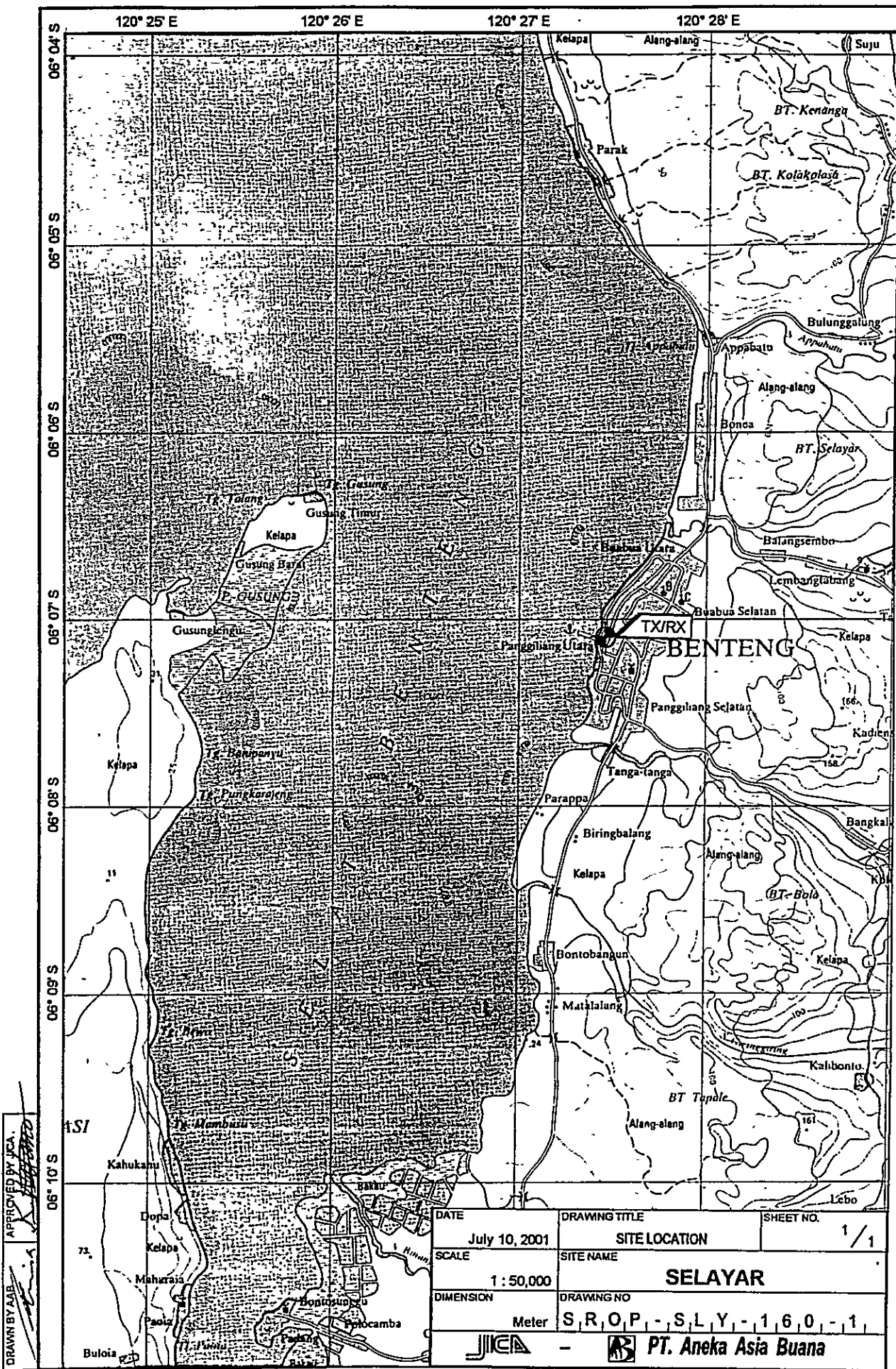
7. COMMENTS	
Suggestion	Coast Station must be completed by GMDSS System, minimal Area-1
Remarks	Coast Station not yet use for public correspondence

INVENTORY

Site Name: Selayar

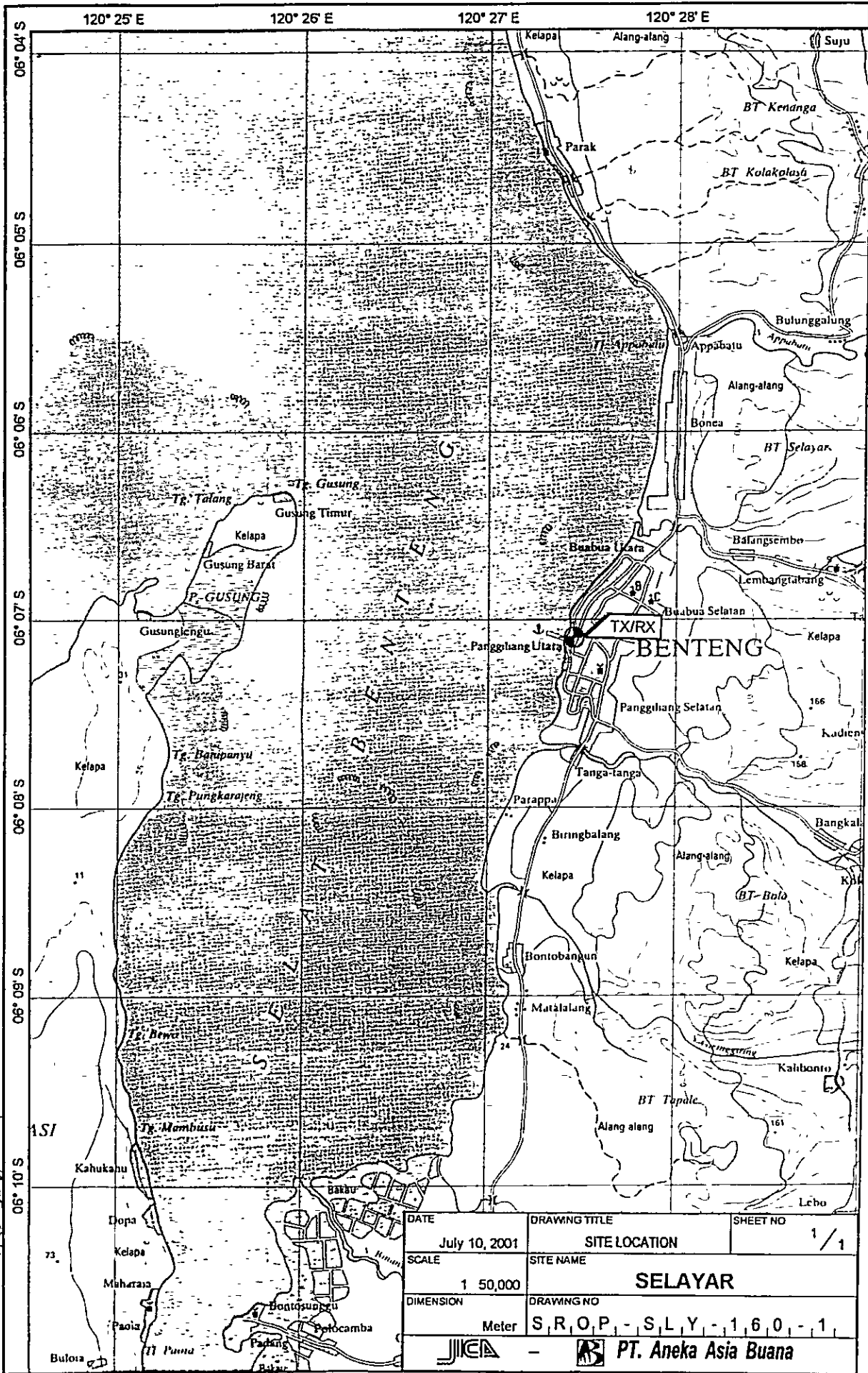
SLY-160- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1		Radio Equipment Transmitter MF/HF Transceiver	IC-M77	04909	ICOM	1996			Good



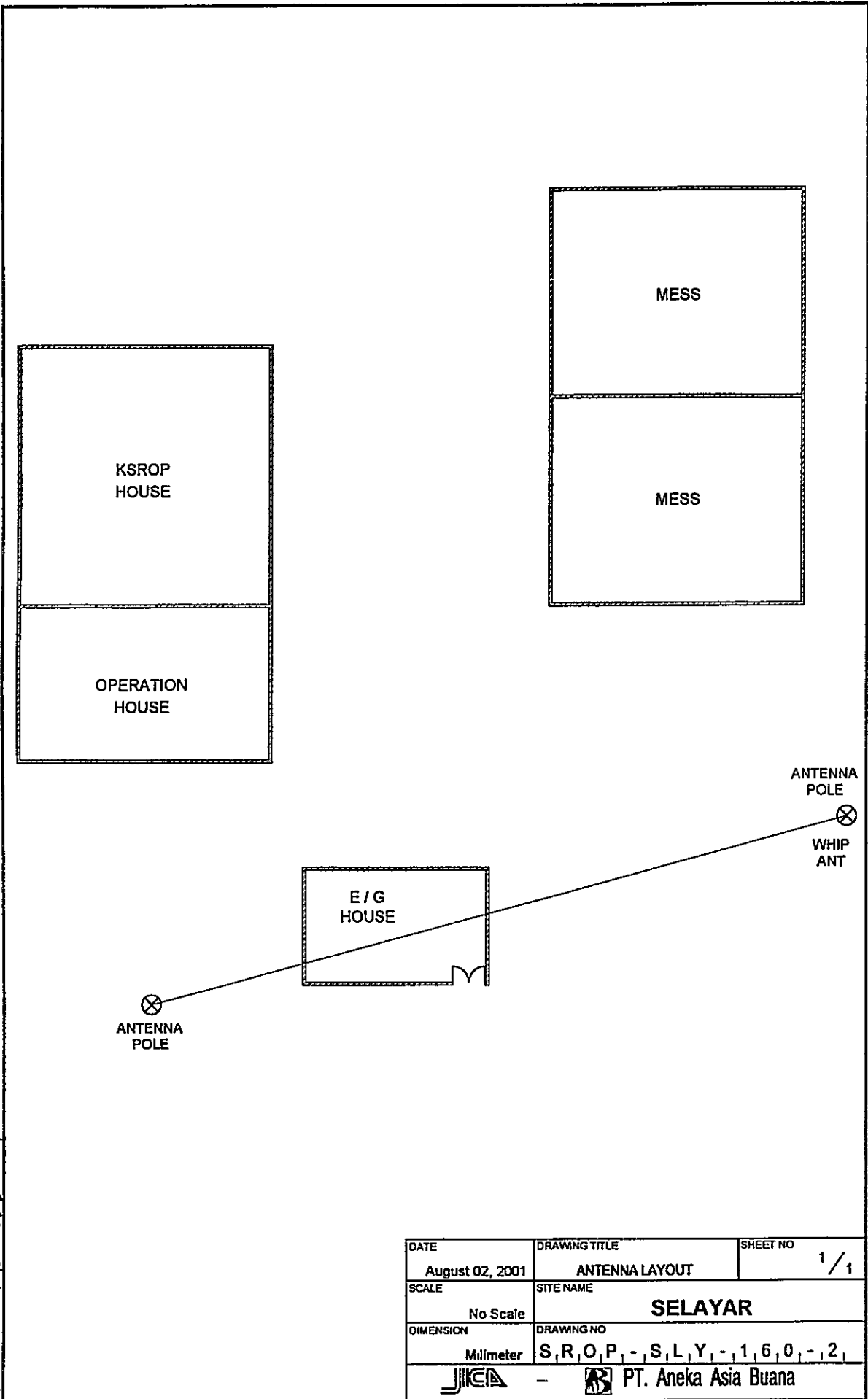
DRAWN BY AAB
 APPROVED BY ICA
 15/1

DATE	DRAWING TITLE	SHEET NO.
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	SELAYAR	
DIMENSION	DRAWING NO	
Meter	S R O P - S L Y - 1 6 0 - 1	
- PT. Aneka Asia Buana		



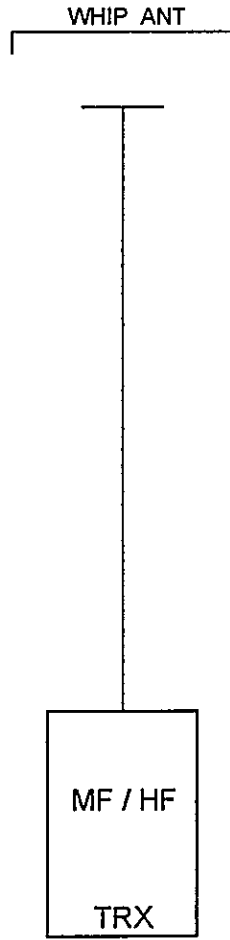
DRAWN BY AAB
 APPROVED BY ICA
 15/1

DATE	DRAWING TITLE	SHEET NO
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 50,000	SELAYAR	
DIMENSION	DRAWING NO	
Meter	S R O P - S L Y - 1 6 0 - 1	
- PT. Aneka Asia Buana		





DRAWN BY A.A.B. *[Signature]*
 APPROVED BY JICA *[Signature]*



DATE	DRAWING TITLE	SHEET NO
August 02, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
No Scale	SELAYAR	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, -, S, L, Y, -, 1, 6, 0, -, 2,	
- PT. Aneka Asia Buana		



LEGEND

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

APPROVED BY ACA

 DRAWN BY AAB


DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME SELAYAR	
DIMENSION Milimeter	DRAWING NO S,R,O,P,-,S,L,Y,-,1,6,0,-,5,	
 -  PT. Aneka Asia Buana		



DRAWN BY AAB
 APPROVED BY JCA

LEGEND

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

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	SELAYAR	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - S, L, Y, - 1, 6, 0, - 6,	
- PT. Aneka Asia Buana		

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

4th-B Class Coast Station Polewali (Coast Station No. 161)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	POLEWALI		
	CLASS	4th-B	NO.	161

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Bahari No. 1, Polewali 91311			119° 20' 52" E	03° 26' 10" S

2. GENERAL CONDITIONS					
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population	
By Air to Makassar [Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel		
By Car to Location [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"/> Flood	Yes No
<input type="checkbox"/> Slope	<input 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 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"/> Tide	<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	7.00 M	Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	m ²	<input type="checkbox"/> 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	V		Good Bad	
Structure	Concrete	Phase	1			<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2			<input type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	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	Concrete	Fluctuations	220 V ± 10 %		Day tank	Liter	
Flooring	Tile	Availability of power per day	24 Hours		Main tank	k Liter	
Room Area (m ²)		Power interruption /month	10 Times		E/G Stand-by System		
Operation room	12.00	Total interpt. hours /month	10 Hours		<input type="checkbox"/> Single System		
E / G room		Max. interpt. hours at once	1 Hours		<input type="checkbox"/> Dual System		
Remark							

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

SUMMARY OF COAST STATION	SITE	POLEWALI		
	CLASS	4th-B	NO.	161

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			

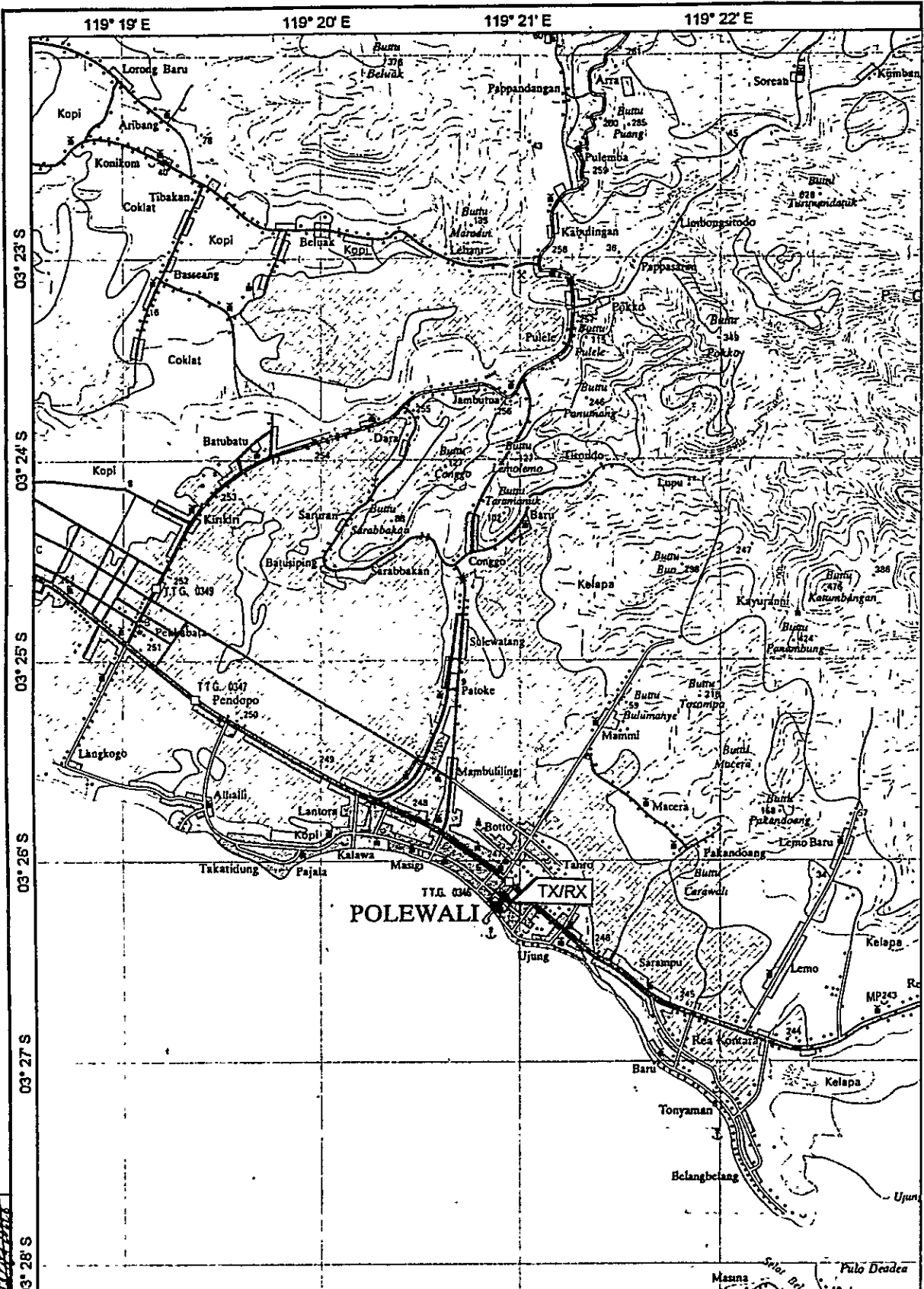
7. COMMENTS	
Suggestion	Coast Station Equipment replaced in Port Office. Radio communication only for official used, as the channel for commandant from Ditjen Hubla and for Marine Safety communication on SAR If Station completed by call sign/Official Mobile call sign
Remarks	Operated by Kanpel Staff

INVENTORY

Site Name: Polewali

PWL-161- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1		Radio Equipment Transmitter MF/HF Transceiver	IC-M700	4243	ICOM	1991			Good

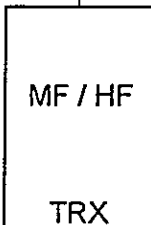


DRAWN BY: *[Signature]*
 APPROVED BY: JICA *[Signature]*

DATE	DRAWING TITLE	SHEET NO.
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	POLEWALI	
DIMENSION	DRAWING NO.	
Meter	S R O P - P W L - 1 6 1 - 1	
- PT. Aneka Asia Buana		

WHIP ANT

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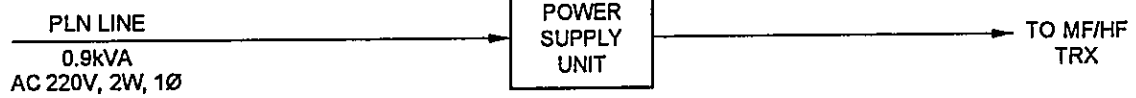


LEGEND

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

APPROVED BY JICA
DRAWN BY AAB

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME POLEWALI	
DIMENSION Milimeter	DRAWING NO S,R,O,P,-,P,W,L,-,1,6,1,-,5,	
JICA - PT. Aneka Asia Buana		



DRAWN BY AAB
 APPROVED BY JICA

LEGEND

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

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

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

4th-B Class Coast Station Sinjai (Coast Station No. 162)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	SINJAI		
	CLASS	4th-B	NO.	162

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Slamet Riyadi, Sinjai 92614			120° 16' 50" E	05° 06' 45" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Makassar [Taking time: 2 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Location [Taking time: 5.00 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 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"/> Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	7.00 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	m ²		Lines	<input 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	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	220 V ± 10 %		Day tank
Flooring	Tile	Availability of power per day	24 Hours	Main tank	Liter
Room Area (m ²)		Power interruption /month	10 Times	E/G Stand-by System	
Operation room	12.00	Total interpt. hours /month	10 Hours	<input type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	1 Hours	<input type="checkbox"/> Dual System	
Remark					

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

SUMMARY OF COAST STATION	SITE	SINJAI		
	CLASS	4th-B	NO.	162

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			

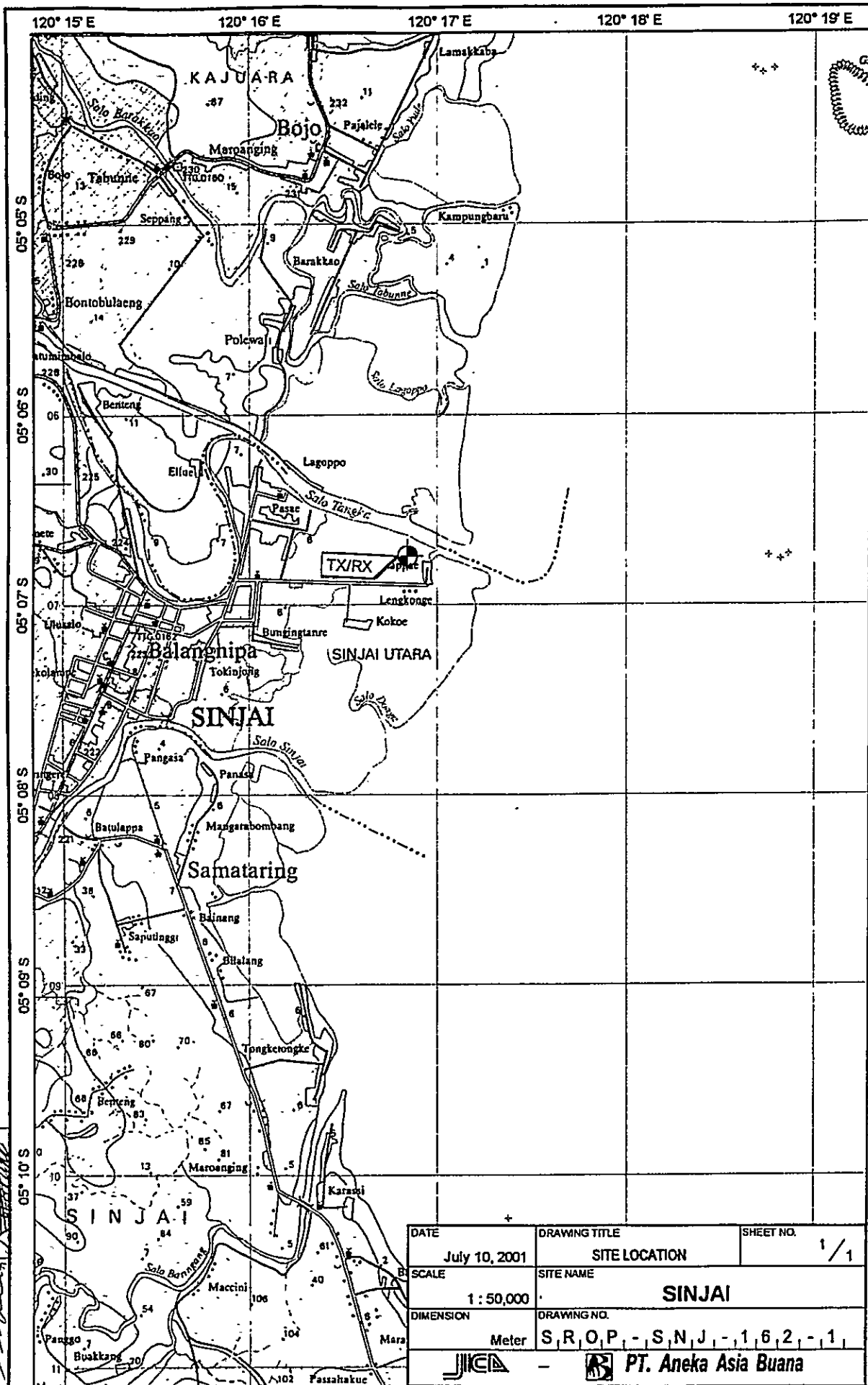
7. COMMENTS	
Suggestion	The station is not yet completed by call sign for Marine Mobile official used Radio communication only for official fixed as the channel commandant from Ditjen Hubla
Remarks	Operated by Kanpel Staff

INVENTORY

Site Name: Sinjai

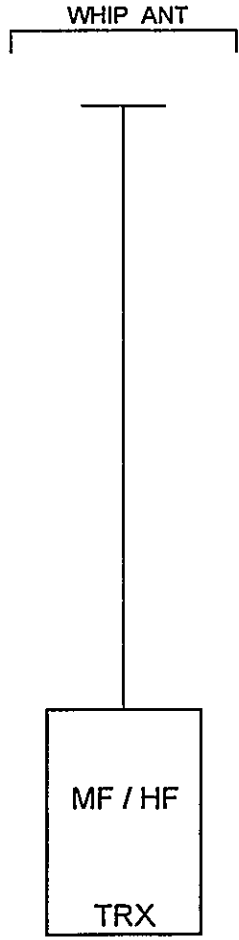
SNJ-162- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1		Radio Equipment Transmitter MF/HF Transceiver	IC-M700	4268	ICOM	1991			Good



DRAWN BY AAB
 APPROVED BY ICA:



DATE	DRAWING TITLE	SHEET NO.
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	SINJAI	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - S, N, J, - 1, 6, 2, - 1	



LEGEND

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

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

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



PLN LINE
0.9KVA
AC 220V, 2W, 1Ø


POWER
SUPPLY
UNIT

TO MF/HF
TRX

LEGEND

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

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

DRAWN BY AAB
 APPROVED BY JICA


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

4th-B Class Coast Station Jeneponto (Coast Station No. 163)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	JENEPONTO		
	CLASS	4th-B	NO.	163

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				119° 33' 00" E	05° 42' 00" S

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	<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 type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy <input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> <input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input 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 ²	<input type="checkbox"/> Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	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 ²)	Power interruption /month	Times	E/G Stand-by System		
Operation room	Total interpt. hours /month	Hours	<input type="checkbox"/> Single System		
E / G room	Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System		
Remark	No Data (operated by Kanpel Staff)				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
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 type="checkbox"/>	<input checked="" type="checkbox"/>	External noises		
<input type="checkbox"/> Lightning				<input type="checkbox"/>	<input checked="" type="checkbox"/>	Air pollution		
<input type="checkbox"/> Other calamity				Total				
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
3 Measuring eqpt /tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	JENEPONTO		
	CLASS	4th-B	NO.	163

6. STATISTICAL COMMUNICATION TRAFFIC DATA

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

7. COMMENTS

Suggestion	
Remarks	

INVENTORY

Site Name: Jenepono

JPT-163- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
Data not Available doe to no Response from Coast Station									

OPERATION SCHEDULE (FREQUENCIES)

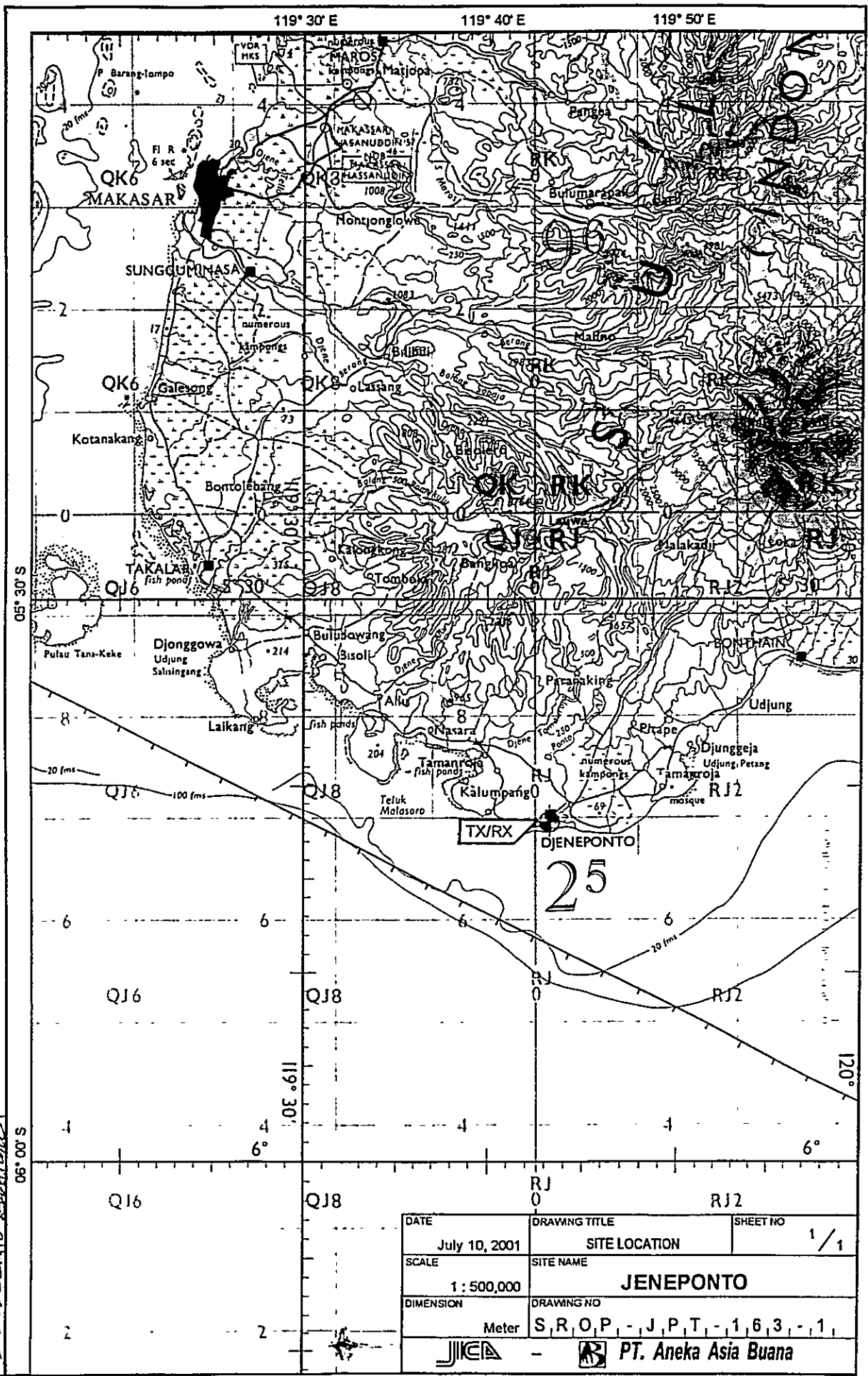
Site Name: Jeneponito

JPT-163-(1/1)

Call Sign : Mobile Service :
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																											
2																											
3																											
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**Data not Available due to no
Response from Coast Station**



DRAWN BY AAB
 APPROVED BY JICA

DATE	July 10, 2001	DRAWING TITLE	SITE LOCATION	SHEET NO	1/1
SCALE	1 : 500,000	SITE NAME			
		JENEPO			
DIMENSION	Meter	DRAWING NO			
		S.R.O.P. - J.P.T. - 1.63 - 1			

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

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

**SUB DISTRICT NAVIGATION AREA (19)
KENDARI**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

Sub District Navigation Area (19) Kendari

Table of Content

DISNAV	19	Kendari	Sub
SROP	164	Kendari	3rd Class
	165	Bau-bau	3rd Class
	166	Raha	4th-A Class
	167	Kolaka	4th-A Class
	168	Pomalaa	4th-A Class
	169	Banabungi	4th-B Class
	170	Malili	4th-B Class

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

Sub District Navigation Office (Area-19) Kendari

Table of Content

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF DISNAV	SITE	KENDARI		
	CLASS	Sub	NO.	19

1. LOCATION				
Address	Tel.	Fax	Longitude	Latitude
Jl. Jend. Sudirman No. 70, Kendari	0401-321907	0401-321907	° ' "	° ' "

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Kendari [Taking time: 4:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car to Location [Taking time: 0:45 hr.]	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
		<input type="checkbox"/> None		

3. CONDITIONS OF DISNAV OFFICE	Refer to attached drawing
---------------------------------------	---------------------------

3.1 Site Conditions			
Topography	Nature of Soil	Past disaster of site	Confirmation of existing system
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> <input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> <input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input 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 ²	<input checked="" type="checkbox"/> 1 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	V	Good Bad
Structure	Concrete	Phase		<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine
Wall finish	Mortar	Fluctuations	V ± %	Day tank
Flooring	Ceramic	Availability of power per day	Hours	Liter
Room Area (m²)				Main tank
Operation room		Power interruption /month	Times	k Liter
E / G room		Total interpt. hours /month	Hours	E/G Stand-by System
		Max. interpt. hours at once	Hours	<input type="checkbox"/> Single System
				<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) ()				
Sufficiency of spares				Technician (skilled) ()				
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input type="checkbox"/>	<input checked="" type="checkbox"/>	External noises				
<input type="checkbox"/> Lightning		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity				Total				
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF DISNAV	SITE	KENDARI		
	CLASS	Sub	NO.	19

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	In accordance with the necessity and formation, SROP Opeartors Sub Disnav Kendari are necessary to have training This as following list for training : ORU : 16 Persons- Pre-II : 4 Persons - Pre-I : 1 Person - TTP-III : 3 persons
Remarks	No Data

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

**3rd Class Coast Station
Kendari
(Coast Station No. 164)**

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	KENDARI		
	CLASS	3rd	NO.	164

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Mutiara	327282		122° 35' 55" E	05° 58' 38" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kendari [Taking time: 4:00 hr.]	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	850,000
By Car	to Location [Taking time: 0:45 hr.]	<input 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 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 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"/> 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	16.00 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	4,000 m ²		<input checked="" type="checkbox"/> 1 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	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	6.6	10	<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	Mortar	Fluctuations	220 V ± 10 %		Day tank
Flooring	Ceramic	Availability of power per day	24 Hours	Main tank	100 Liter
Room Area (m²)		Power interruption /month	30 Times	E/G Stand-by System	
Operation room	28.60	Total interpt. hours /month	120 Hours	<input checked="" type="checkbox"/>	<input type="checkbox"/> Single System
E / G room	20.00	Max. interpt. hours at once	8 Hours	<input type="checkbox"/>	<input type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE					5. PERSONNEL FORMATIONS				
Actions taken in equipment failure									
Restoration flow	Repaired by Himself				Chief	TX/RX			
Examples of major failure	Power Amplifier Transmitter				Operator (skilled)	11 (3)	()		
Sufficiency of spares	Not enough				Technician (skilled)	1 ()	()		
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	13			
<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	Jakarta	1991	1	
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Oru	Oru	Jakarta	1994	1	
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Pre	II	Jakarta	1994	1	
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough						
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						

SUMMARY OF COAST STATION	SITE	KENDARI		
	CLASS	3rd	NO.	164

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		24			1991	142	18		1996	452	57	
1997		10			1992	157	20		1997	326	41	
1998		27			1993	168	21		1998	248	31	
1999		14			1994	216	27		1999	205	26	
2000		6			1995	264	33		2000	174	22	

7. COMMENTS	
Suggestion	To optimal operator on Distress Frequency 2182.0 Khz and 6215 Khz is needed all band receiving equipment as additional facility
Remarks	

INVENTORY

Site Name: Kendari

KND-164- (1 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1-1-1		Transmitter	NTD-177	BS-14323	JRC	1974			Damaged
1		HF Transceiver	NTD-177	BS-14324	JRC	1974			Damaged
2		HF Transceiver	NS-11	5153632	Furuno	1984			Damaged
3		SSB Radio Telephone	NTD-177Z	030-30	INTI	1979			Damaged
4		SSB Transceiver							
1-1-2		Receiver							
1		All Wave Receiver	FRG-7700	MIH-100403	Yaesu	1982			Damaged
2		All Wave Receiver	FRG-8800	9D310085	Yaesu	1990			Damaged
3		FM/AM Multi Band Receiver	ICF-6800W		Sony				Damaged
1-1-3		MF/HF Operation Console							
1		MF/HF Console	RH-16-3	006	Sailor	1996	F-TA-193:PH3		Good
		MF/HF Equipment							
		Tx (600 W) (on the wall)	T2131	517367	Sailor	1996	F-TA-193:PH3		Good
		Tx (600 W) (on the wall)	T2131	520488	Sailor	1996	F-TA-193:PH3		Good
		AC Power Supply	N2171	520999	Sailor	1996	F-TA-193:PH3		Good
		AC Power Supply	N2171	521004	Sailor	1996	F-TA-193:PH3		Good
		Antenna Coupler (on the wall)	AT2112	522621	Sailor	1996	F-TA-193:PH3		Good
		Antenna Coupler (on the wall)	AT2112	522622	Sailor	1996	F-TA-193:PH3		Good
		CW Unit	H2185	513504	Sailor	1996	F-TA-193:PH3		Good
		CW Unit	H2185	512148	Sailor	1996	F-TA-193:PH3		Good
2		All Wave Receiver							
		Control Unit HF1	RE2100	521638	Sailor	1996	F-TA-193:PH3		Good
		Control Unit HF2	RE2100	521644	Sailor	1996	F-TA-193:PH3		Good
		Duplex Receiver	R2120T	511886	Sailor	1996	F-TA-193:PH3		Good
		Duplex Receiver	R2120T	511891	Sailor	1996	F-TA-193:PH3		Good
		Loudspeaker (2)	H2054		Sailor	1996	F-TA-193:PH3		Good
3		Spot Receiver							
		MF/HF DSC W/K RX	RM2150	525152	Sailor	1996	F-TA-193:PH3		Good
		Power Supply	N2165	522767	Sailor	1996	F-TA-193:PH3		Good

Kendari

INVENTORY

Site Name: Kendari

KND-164- (3 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-2		VHF System							
1-2-1		VHF Transceiver	JHV-227YA	16789	JRC	1980			Damaged
1		25W VHF Marine Radio Telephone	FTC-1540A		Yaesu	1982			Damaged
2		VHF Transceiver	JHV-217	CE-51949	JRC	1974			Damaged
3		VHF Transceiver	JHV-217	CE-51950	JRC	1974			Damaged
4		VHF Transceiver	JHV-217						Damaged
5		Duplexer 50 Ohm	NFJ-24YN	9-1235	Giken	1989			Damaged
1-2-2		Operation Console							
		VHF Console	RH-16-1	009	Sailor	1996	F-TA-193:PH3		Good
		Multichannel VHF Transceiver							
		VHF Transceiver	RT 2048	523726	Sailor	1996	F-TA-193:PH3		Good
		VHF Transceiver	RT 2048	523725	Sailor	1996	F-TA-193:PH3		Good
		VHF Transceiver	RT 2048	523675	Sailor	1996	F-TA-193:PH3		Good
		VHF Transceiver	RT 2048	523716	Sailor	1996	F-TA-193:PH3		Good
		Linier Power Amplifier	A2080BE-H	244	Sailor	1996	F-TA-193:PH3		Good
		Linier Power Amplifier	A2080BE-H	318	Sailor	1996	F-TA-193:PH3		Good
		Linier Power Amplifier	A2080BE-H	300	Sailor	1996	F-TA-193:PH3		Good
		Linier Power Amplifier	A2080BE-H	226	Sailor	1996	F-TA-193:PH3		Good
		Duplex Filter	-	594152	Sailor	1996	F-TA-193:PH3		Good
		Duplex Filter	-	594144	Sailor	1996	F-TA-193:PH3		Good
8		CH-70 VHF T/R							
		VHF T/R	RT2048	523734	Sailor	1996	F-TA-193:PH3		Good
		High Low I/F Unit (2)	-	2	Sailor	1996	F-TA-193:PH3		Good
		RF Power Amplifier	A2080BE-H	229	Sailor	1996	F-TA-193:PH3		Good
		AC Power Supply	N163S	N16310	Sailor	1996	F-TA-193:PH3		Good
		DC Power Supply	N420	N42010	Sailor	1996	F-TA-193:PH3		Good
		AC Power Supply	PSF-1	TWR/12770/14	Sailor	1996	F-TA-193:PH3		Good
9		Term.Equipt. (DSC VHF/HF)							
		Audio/Digital Matrix	MTX-1616	149	Sailor	1996	F-TA-193:PH3		Good
		Telephone Repeater							
10		Radio/Tel I/F Unit	RTU-280	185	Sailor	1996	F-TA-193:PH3		Good

Kendari

INVENTORY

Site Name: Kendari

KND-164- (4 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
2		Tower & Antenna System							
2-1		Tower & Mast TX Station 15mHx2 Tower 30mH Self Supporting Structure (1) 20mH Self Supporting Structure (2) Lightning Protector (3) Grounding (3)	Square AT30SS AT20SS		Sailor Sailor Sailor Sailor	1996 1996 1996 1996	F-TA-193:PH3 F-TA-193:PH3 F-TA-193:PH3 F-TA-193:PH3		Damaged Good Good Good Good
2-2		Antenna System Dummy Antenna (5) Inverted L Antenna (2) D/D Antenna (1) VHF Antenna (3) Antenna Selector	AE-234 HF7 E-22 VHF 3	5 2 1	JRC Sailor Sailor Sailor	1974 1996 1996 1996	F-TA-193:PH3 F-TA-193:PH3 F-TA-193:PH3		Damaged Good Good Good
2-3		Antenna Coupler Antenna Coupler XMTR Select Antenna Distributor	XW-49 XW-49 No.1 & No.2 AAD101/A-J1-GG	BP-73285 030-30	JRC INTI	1974 1979			Damaged Damaged Damaged Good
3		Power Supply Equipment							
3-1		Power Distribution Board Power Distribution Board PDB (7.5kVA for TX/RX) Control Panel (10 kVA AMF)	NCB-430A	BP-10295	JRC	1974 1996 1996	F-TA-193:PH3 F-TA-193:PH3		Damaged Good Good
3-2		Isolation Transformer 7.5kVA, 4W, 3P Step-Up Transformer 9.9kVA, 4W, 3P	PL 95-7s IST 10P3	9511 9508		1996 1996	F-TA-193:PH3 F-TA-193:PH3		Good Good
3-3		UPS & AVR Power Unit Power Supply Power Supply Power Supply	STU 10P3	9510		1996	F-TA-193:PH3		Good
3-4		Power Unit Power Supply Power Supply Power Supply	NBA-9010 NBA-849 NBA-849 NBA-901B	BP-74818 CA-24836 CA-24837 030-30	JRC JRC JRC INTI	1974 1974 1974 1979			Damaged Damaged Damaged Damaged

Kendari

INVENTORY

Site Name: Kendari

KND-164- (5 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
5		Accumulator (4)	N-100		GS	1992			Damaged
6		Accumulator (2)	N-100		GS				Good
7		Accu Charger	12E(A)	9655	Stanley	1974			Good
8		AVR 5kVA	YAC-5K	A3-4317	Y'bishi	1974			Damaged
9		AVR : 7.5kVA, 4W, 3P	AVR7P3	9502		1996	F-TA-193:PH3		Good
3-5		Engine Generator							
1		Generator 5kVA	TS-130C		Yanmar	1975			Damaged
2		Generator 5kVA	TS-80		Yanmar	1980			Damaged
3		10 kVA Single Standby E/G System							Good
		Engine	EG 10 RA	584127	Kubota	1996	F-TA-193:PH3		Good
		10 kVA Generator	V-1505E	CO51634/8	Kubota	1996	F-TA-193:PH3		Good
		E/G Panel	BCI-164-D	9511	Kubota	1996	F-TA-193:PH3		Good
4		Fuel System							Good
		Starting, Fuel, Exhaust System							Good
		100 L Fuel Day Tank							Good
		Fuel Control Unit							Good
		1000 L Fuel Storage Tank							Good
4		Measuring Equipment							
1		Analog Oscilloscope	PM3065	DM639023		1996	F-TA-193:PH3		Good
		Plobe/Lead (x2)							Good
		Power Cable (x1)							Good
		Black Cover (x1)							Good
		Operation Manual							Good
2		Fluke 87 Multimeter		64510704	Fluke	1996	F-TA-193 PH3		Good
3		Fluke 87 Multimeter		64510705	Fluke	1996	F-TA-193:PH3		Good
4		Fluke 87 Multimeter		64510706	Fluke	1996	F-TA-193:PH3		Good
		Test Lead Set (x1) (3)							Good
		Hooster House Yellow (x1) (3)							Good
		User Manual (x2) (6)							Good
5		Insulation Tester	2406A			1996	F-TA-193:PH3		Good
		Line Plobe (x1)							Good
		Earth Plobe (x1)							Good

INVENTORY

Site Name: Kendari

KND-164- (6 / 6)

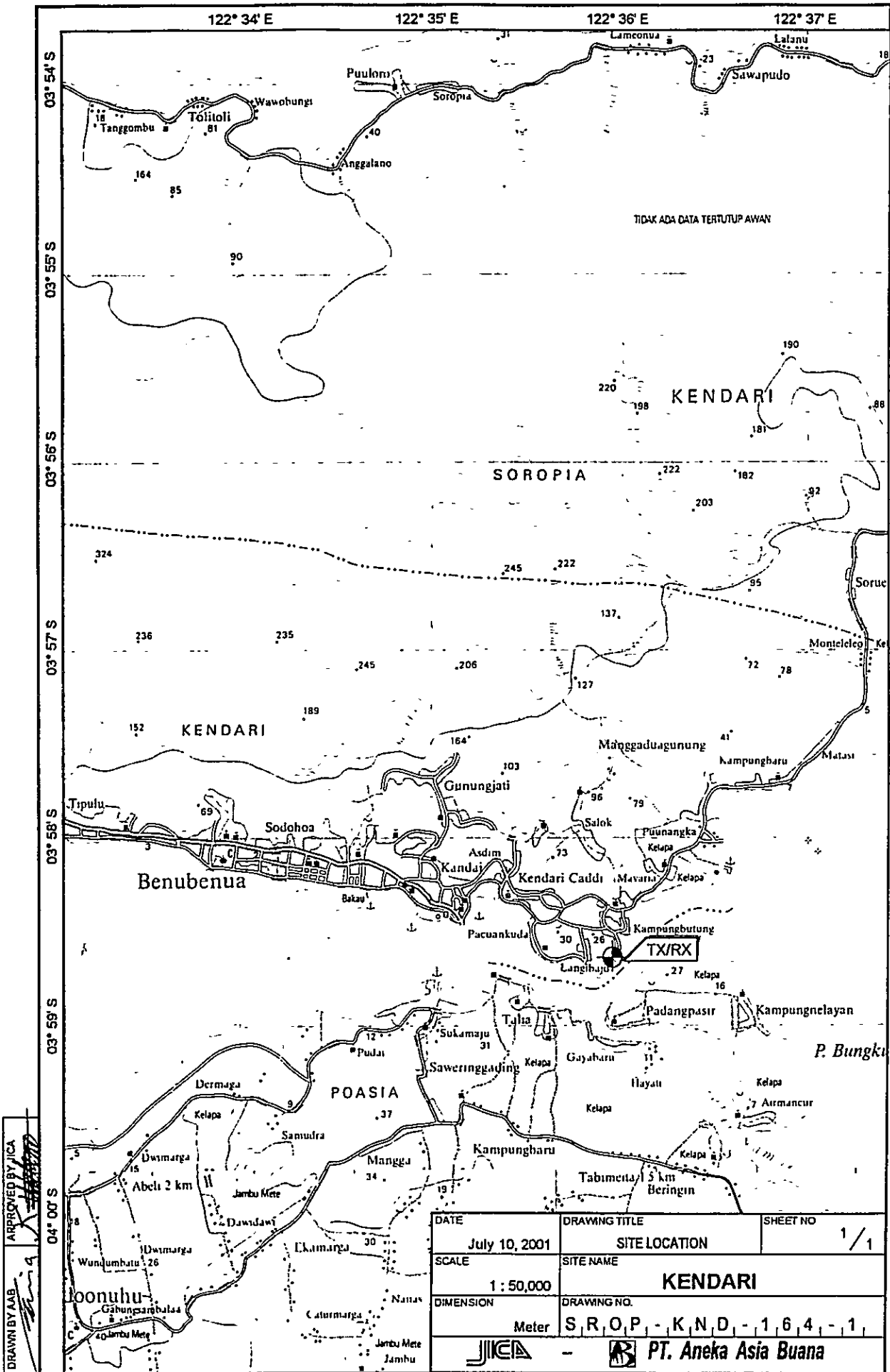
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
6		AA Batteries built-in (x8)							Good
7		Carrying Case (x1)		17091	Sailor	1996	F-TA-193:PH3		Good
		Instruction Manual (x1)		17094	Sailor	1996	F-TA-193:PH3		Good
		RF Coaxial Load Resistor	8201						Good
		RF Coaxial Load Resistor	8201						Good
		Connection Cable (x1) (2)							Good
5		Others							
1		Type Writer			Starling	1975			Damaged
2		Type Writer			Optima	1982			Damaged
3		Air Conditioner	RA-226N		Hitachi	1974			Damaged
4		Air Conditioner			Sharp	1986			Damaged
5		Transistor Watch			SEIKO				Good
6		Services Engineers Kit	RS 541-365		Sailor	1996	F-TA-193:PH3		Good
7		Telephone set with call timer (2)			Sailor	1996	F-TA-193:PH3		Good
8		Headset (2)	DM 811		Sailor	1996	F-TA-193:PH3		Good
9		Hand set (6)			Sailor	1996	F-TA-193:PH3		Good
10		Desk Microphone (2)	DM 6500		Sailor	1996	F-TA-193:PH3		Good
11		Morse Key			Sailor	1996	F-TA-193:PH3		Good
12		Quartz Clock			Sailor	1996	F-TA-193:PH3		Good
13		Mouse			Compaq	1996	F-TA-193:PH3		Good
14		Chair			Sailor	1996	F-TA-193:PH3		Good

STATUS OF TROUBLES

SITE NAME : KENDARI

KND-164-(1/1)

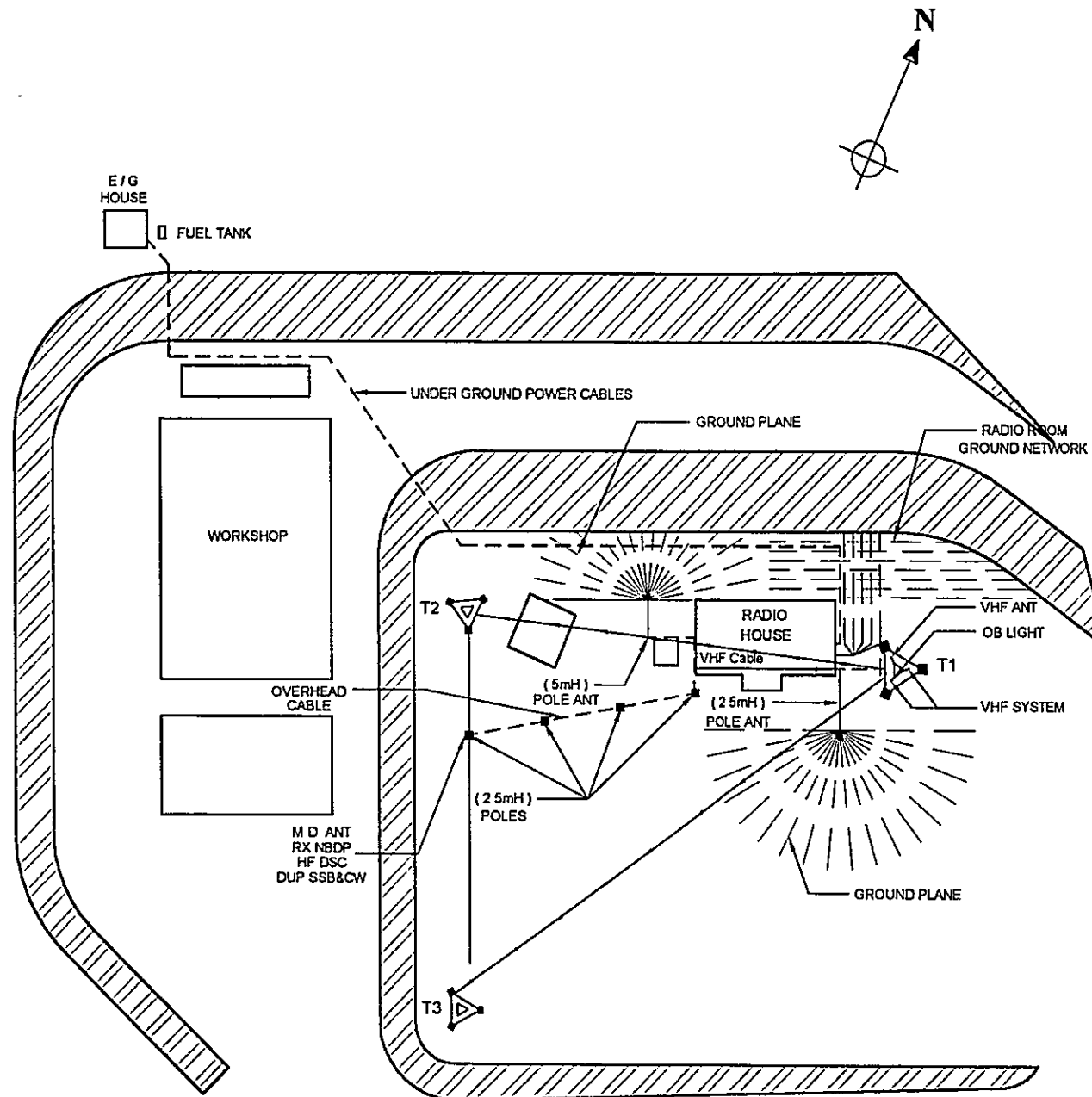
Item / Equipment	Computer TOR / -	
Manufacturer	Japan	
Manufacturer in year	1995	
Defective panel / unit	Power - Panel	
Details of Trouble Status	Cause doe to:	Urgency of Repair
	<input type="checkbox"/> Aging	
	<input type="checkbox"/> Lightning	
	<input type="checkbox"/> Corrosion	
	<input checked="" type="checkbox"/> Lack of Spares	
<input type="checkbox"/> Others		
<p><u>General Comment for Maintenance:</u></p> <p>The big problem is un-availability spare part to change of damaged component, generally spare part is difficult to find out in the market Technician is not enough, damaged equipment can not be repaired, needed training for the technician, and request one capable technician to teach other technicians Necessary training for : TTP-III = 3 Persons, ORU = 3 Persons, Pre-II = 1 Person</p>		



TIDAK ADA DATA TERTUTUP AWAN

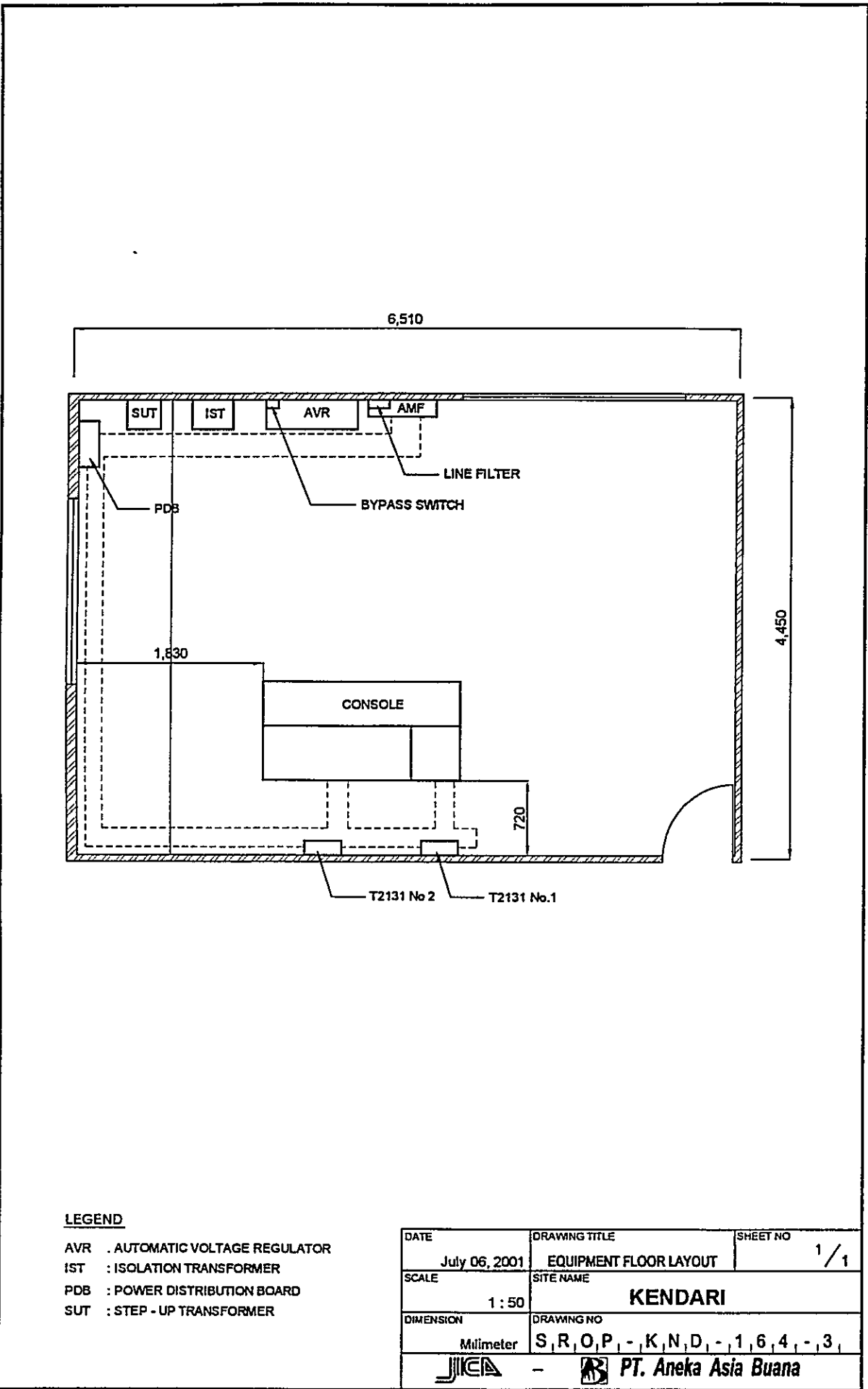
APPROVED BY ICA
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	KENDARI	
DIMENSION	DRAWING NO.	
Meter	S R O P - K N D - 1 6 4 - 1	



DRAWN BY: AUS
 APPROVED BY: JCA:

DATE	DRAWING TITLE	SHEET NO
July 06, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1 : 250	KENDARI	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - , K, N, D, - , 1, 6, 4, - , 2, 1	
JICA	PT. Aneka Asia Buana	

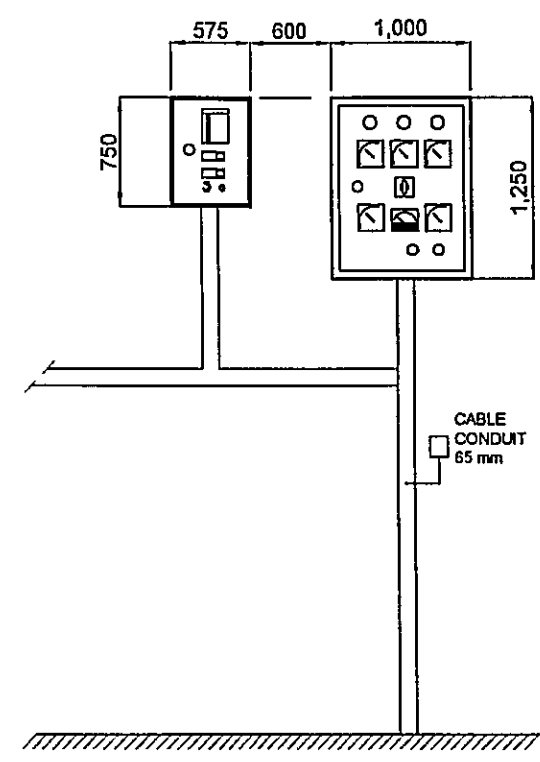
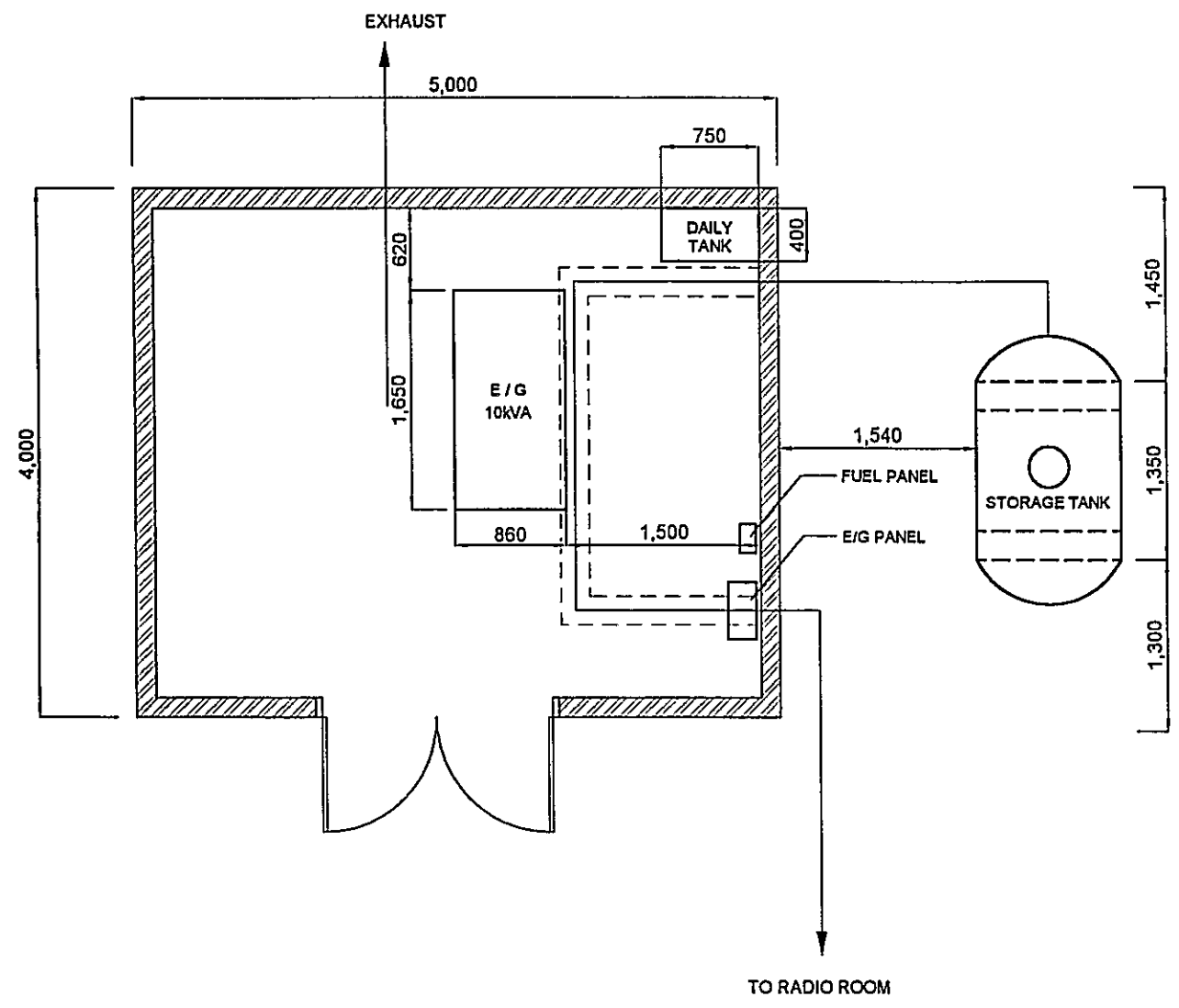


APPROVED BY JICA
 DRAWN BY AAB

LEGEND

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

DATE July 06, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME KENDARI	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, K, N, D, -, 1, 6, 4, -, 3, 1	
- PT. Aneka Asia Buana		



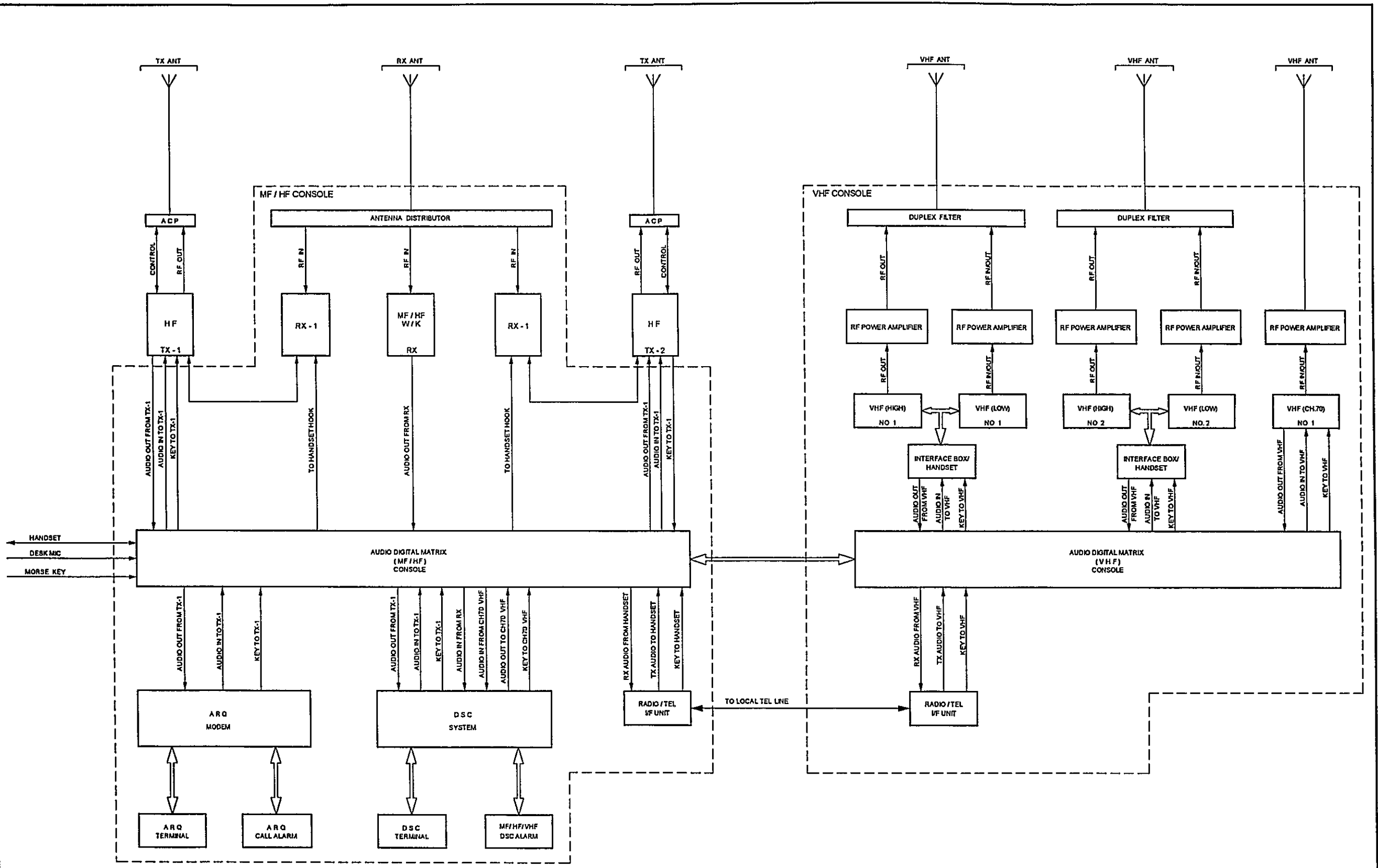
DRAWN BY: JAB: *[Signature]*

APPROVED BY: JCA: *[Signature]*

LEGEND

E/G : ENGINE GENERATOR
 kVA : KILO VOLT AMPERE

DATE	DRAWING TITLE	SHEET NO
July 06, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	KENDARI	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - K, N, D, - 1, 6, 4, - 4	
- PT. Aneka Asia Buana		

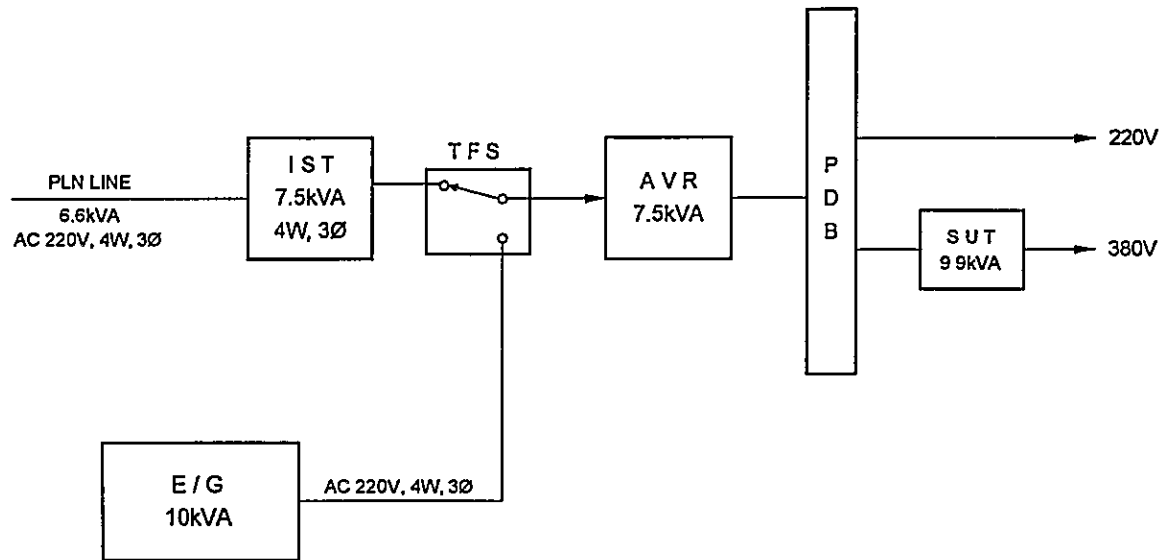


DRAWN BY AAB
APPROVED BY JICA: [Signature]

LEGEND

- ACP . ANTENNA COUPLER
- ANT : ANTENNA
- DSC : DIGITAL SELECTIVE CALLING
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- RX : RECEIVER (ING)
- TX : TRANSMITTER (ING)
- VHF : VERY HIGH FREQUENCY

DATE August 02, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO. 1/1
SCALE No Scale	SITE NAME KENDARI	
DIMENSION Millimeter	DRAWING NO. S R O P - K N D - 1 6 4 - 5	
-		



APPROVED BY JICA
 DRAWN BY AAB

LEGEND

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

DATE	DRAWING TITLE	SHEET NO
August 02, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	KENDARI	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, - , K, N, D, - , 1, 6, 4, - , 6,	

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

3rd Class Coast Station Bau-bau (Coast Station No. 165)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	BAU-BAU		
	CLASS	3rd	NO.	165

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Dayanu Ikhsanuddin			122° 36' 51" E	05° 27' 24" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kendari [Taking time: 4.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Ship	to Bau-Bau [Taking time: 4.30 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Location [Taking time: 0.15 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions			
Topography	Nature of Soil		Past disaster of site
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage
<input checked="" type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input checked="" type="checkbox"/> Dry/Stony	<input type="checkbox"/> Ground Subsidence
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		
Altitude	M		Telephone Lines
Land area	5,000 m ²		<input type="checkbox"/> Lines

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	V	Good Bad
Structure	Concrete	Phase	3		<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire	4		<input type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	3.8		<input type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %		Day tank Liter
Flooring	Ceramic	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month		E/G Stand-by System	
Operation room	60.00	Total interpt. hours /month		Hours	<input checked="" type="checkbox"/> Single System
E / G room		Max. interpt. hours at once		Hours	<input type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure					TX/RX			
Restoration flow	Repaired by himself			Chief				
Examples of major failure	Damaged by Lightening			Operator (skilled)	6 (2)			
Sufficiency of spares				Technician (skilled)				
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises	Total	6		
<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 type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	BAU-BAU		
	CLASS	3rd	NO.	165

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		3			1991				1996	83	20	
1997		6			1992				1997	123	41	
1998		5			1993	76	25		1998	98	32	
1999		7			1994	101	33		1999	93	31	
2000					1995	97	32		2000	117	39	

7. COMMENTS

Suggestion	Up to the time being Bau-Bau Coast Station can not operate completely, because of the minimize equipment , so that for the next project requested to install GMDSS System equipment and other equipment as accordance with Standardization of Coast Station Clas-III Operator must be followed the training; Oru - 3 Persons, Pre-II 1 Person
Remarks	

INVENTORY

Site Name: Bau-bau

BBU-165- (1 / 1)

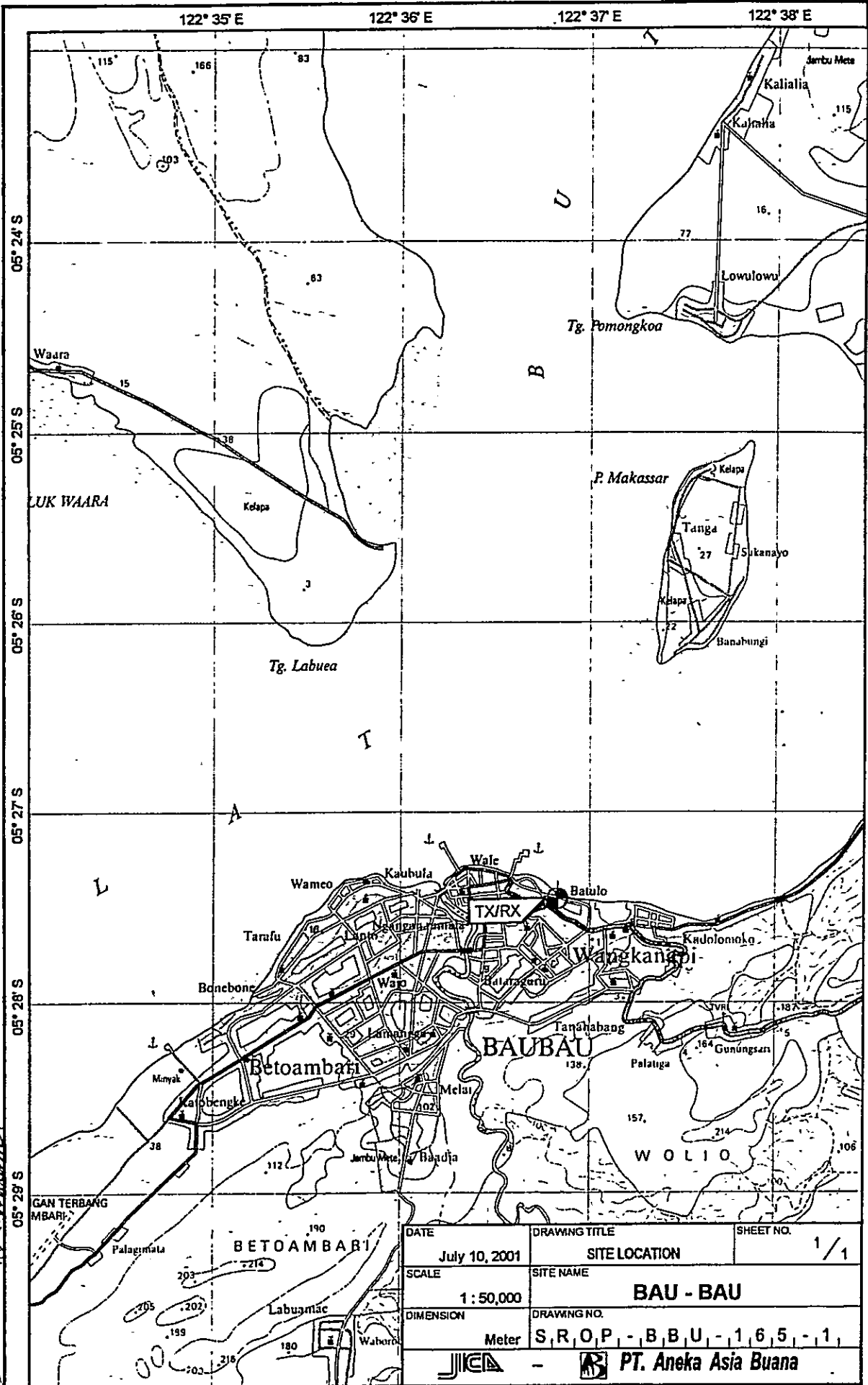
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter							
1		SSB Radio Phone	IC-M700	5457	ICOM				Not So Good
2		SSB Radio Phone	NJSR 152	68537	JRC	1981			Damaged
1-2		VHF System							
1		VHF Transceiver	FM-400	550239	Furuno				Damaged
2		Tower & Antenna System							
2-1		Antenna Selector							
1		Antenna Tuner	AT-120E		ICOM				Good
3		Power Supply Equipment							
3-1		UPS & AVR							
1		Power Supply	AK-3030AV		Dakai				Good

STATUS OF TROUBLES

SITE NAME : BAU-BAU

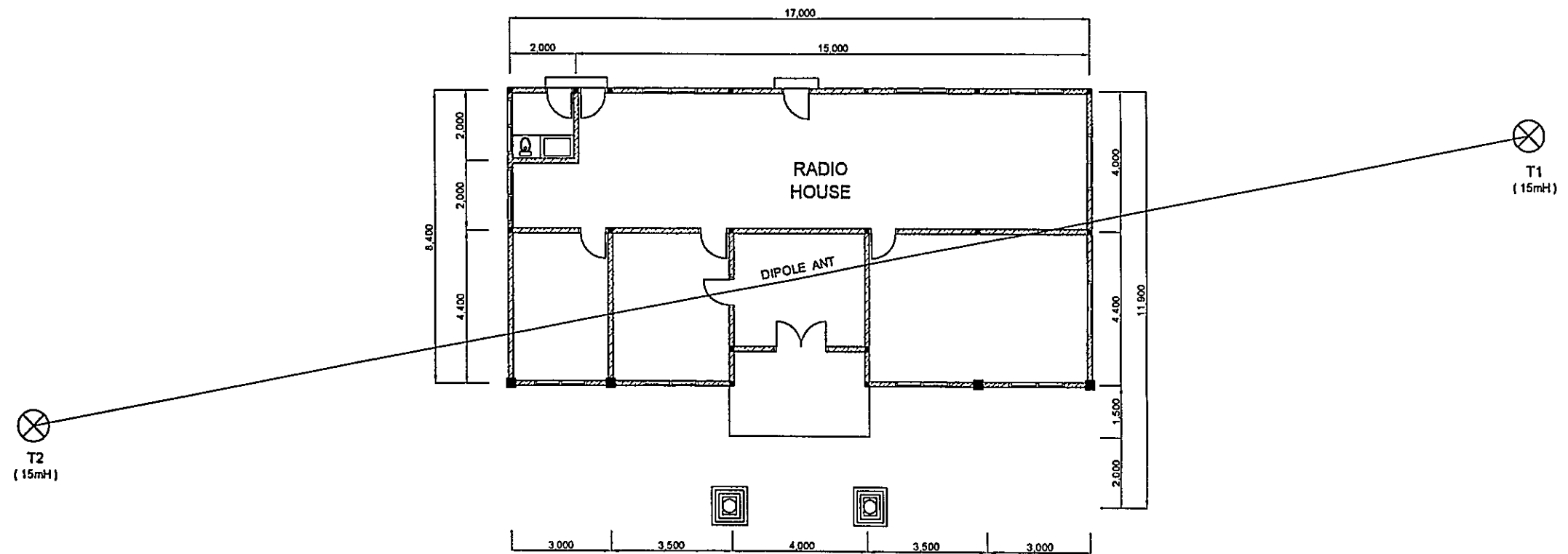
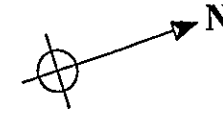
BBU-165-(1/1)

Item / Equipment	SSB Telephone Radio / Icom	
Manufacturer	PT. Mirusakraha	
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 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>		
Technician is not capable to repaired damaged unit, and spare part is not enough and un-available		



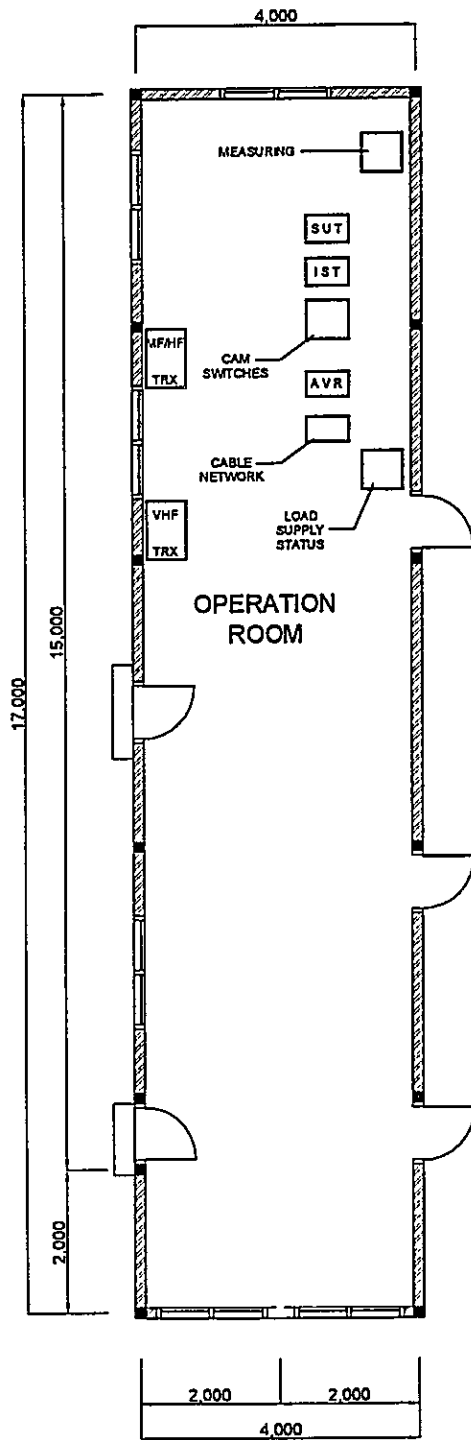
DRAWN BY AAB-
 APPROVED BY JICA:

DATE	DRAWING TITLE	SHEET NO.
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	BAU - BAU	
DIMENSION	DRAWING NO.	
Meter	S.R.O.P. - B.B.U. - 1.6.5 - 1	



DRAWN BY: AB
 APPROVED BY: JICA

DATE August 02, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1/1
SCALE 1 : 150	SITE NAME BAU-BAU	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - B, B, U, - 1, 6, 5, - 2,	
- PT. Aneka Asia Buana		

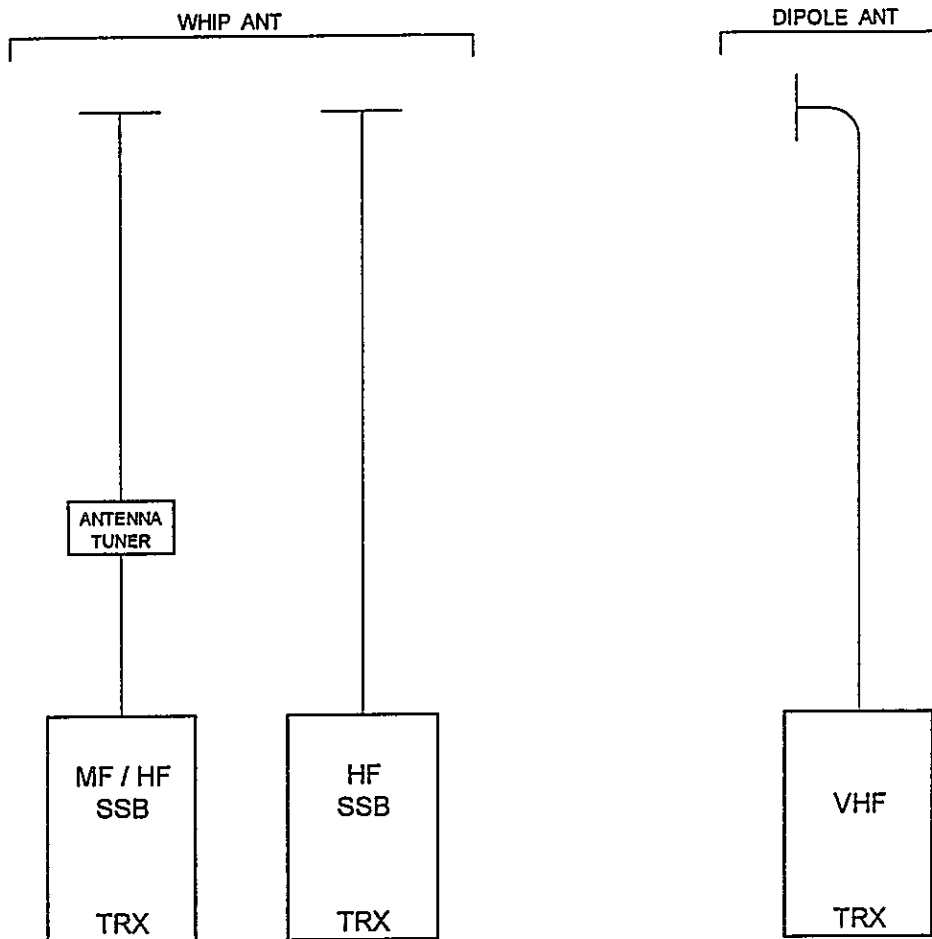


DRAWN BY AAB
 APPROVED BY JICA
[Signature]

LEGEND

- AVR AUTOMATIC VOLTAGE REGULATOR
- HF HIGH FREQUENCY
- IST ISOLATION TRANSFORMER
- MF MEDIUM FREQUENCY
- SUT STEP UP TRANSFORMER
- TRX TRANSCEIVER (ING)
- VHF VERY HIGH FREQUENCY

DATE August 02, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1/1
SCALE 1 : 100	SITE NAME BAU-BAU	
DIMENSION Millimeter	DRAWING NO S,R,O,P,-B,B,U,-1,6,5,-3	
- PT. Aneka Asia Buana		

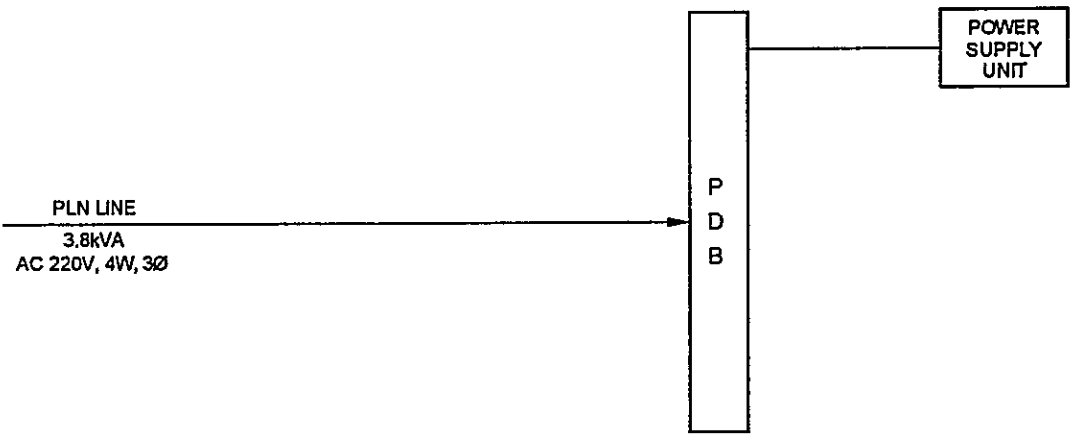


DRAWN BY AAB
 APPROVED BY JICA
[Signature]

LEGEND

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

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME BAU-BAU	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - B, B, U, - 1, 6, 5, - 5,	
- PT. Aneka Asia Buana		





DRAWN BY AAB

APPROVED BY JICA:

LEGEND

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

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

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

4th-A Class Coast Station Raha (Coast Station No. 166)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	RAHA		
	CLASS	4th-A	NO.	166

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan No. 3			112° 43' 03" E	04° 50' 00" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kendari [Taking time: 4.00 hr.]	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Ship	to Raha [Taking time 3:50 hr.]	<input type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Location [Taking time. 0.40 hr.]	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions					
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> Antenna	
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)	
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Grounding system	
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input type="checkbox"/> Lightning system	
Altitude	2.00 M		Telephone Lines	<input type="checkbox"/> Feeder Cable Way	
Land area	m ²		<input type="checkbox"/> Lines	<input type="checkbox"/> City water	

3.2 Building Conditions			3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	3	<input checked="" type="checkbox"/> Power Supply System	
Type of roof	Asbestos	Wire	4	<input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	3.8	<input checked="" type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 2 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month	4 Times	E/G Stand-by System	
Operation room		Total interpt. hours /month	14 Hours	<input type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	4 Hours	<input type="checkbox"/> Dual System	
Remark	Operated by Kanpel Staff				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
Restoration flow				Chief				
Examples of major failure				Operator (skilled)		1 ()	()	
Sufficiency of spares				Technician (skilled)		()	()	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises		Total		
<input 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 type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input checked="" type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	RAHA		
	CLASS	4th-A	NO.	166

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	110	49	
1998					1993				1998	188	78	
1999					1994				1999	115	48	
2000					1995				2000	138	57	

7. COMMENTS	
Suggestion	It is very important to have Own Coast Station Building : Size 80M ² and Dormitory 72M ² , Land 1,000 M ² with budget allocation Rp. 141,200,000.-boarding It is very important to install equipment as Coast Station Class-IV A standardization Operator must be followed the training and operational equipment must be completed as Coast Station equipment Class - IV-A
Remarks	

INVENTORY

Site Name: Raha

RHA-166- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter							
1		MF/HF Transceiver	NS-11A	5520036	Furuno	1978			Damaged
2		MF/HF Transceiver	IC-M700	51278	ICOM	1998			Good
2		Tower & Antenna System							
2-1		Antenna Selector							
1		Automatic Antenna Tuner	AT-120		ICOM				Good
3		Power Supply Equipment							
3-1		UPS & AVR							
1		Power Supply	AK-4040AV		ICOM				Good
2		Automatic Voltage Regulator	AR-500H		Matsuyama				Good

STATUS OF TROUBLES

SITE NAME : RAHA

RHA-166-(1/1)

Item / Equipment	Antenna Tower / -	
Manufacturer	Sub Disnav Kendari	
Manufacturer in year	1997	
Defective panel / unit	Tower Structure	
Details of Trouble Status	Cause doe to:	Urgency of Repair
	<input type="checkbox"/> Aging	
	<input type="checkbox"/> Lightning	
	<input checked="" type="checkbox"/> Corrosion	
	<input type="checkbox"/> Lack of Spares	
<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u> Necessary routine maintenance and painting		

Repairing to be:

- Immediacy
- By next year budget
- By next project
- Unnecessary

OPERATION SCHEDULE (FREQUENCIES)

Site Name: Raha

RHA-166-(1/1)

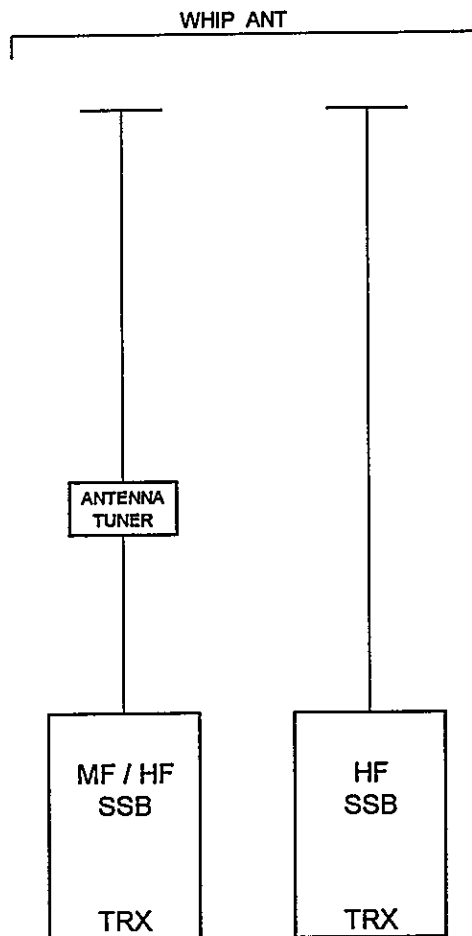
Call Sign : Mobile Service : PKF.33
Fix Service : 8AP22

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	150																									
2	J3E	150																									
3	J3E	150																									
4	J3E	150																									
5	J3E	150																									
6	J3E	150																									
7	J3E	150																									
8	J3E	150																									
9	J3E	150																									
10	J3E	150																									
Fix Service																											
11	F3E	150																									
12	F3E	150																									
13	F3E	150																									
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25																											



DRAWN BY AAB
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	RAHA	
DIMENSION	DRAWING NO.	
Meter	S.R.O.P. - R.H.A. - 1.6.6. - 1	
PT. Aneka Asia Buana		

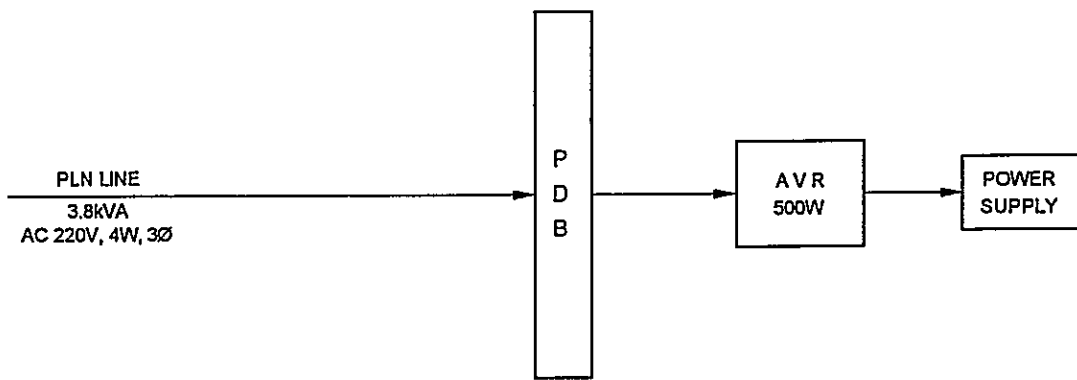


LEGEND

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

DRAWN BY AAB
 APPROVED BY JICA

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



LEGEND

- AC : ALTERNATING CURRENT
- AVR : AUTOMATIC VOLTAGE REGULATOR
- KVA : KILO VOLT AMPERE
- PDB : POWER DISTRIBUTION BOARD
- V : VOLT
- W : WIRE / WATT
- Ø : PHASE

DRAWN BY AAB
 APPROVED BY JICA
[Signature]

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

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

4th-A Class Coast Station Kolaka (Coast Station No. 167)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	KOLAKA		
	CLASS	4th-A	NO.	167

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Dermaga No. 1, Kolaka	22583		121° 36' 30" E	04° 03' 00" S

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Kendari [Taking time: 4:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	30,000
By Car to Kolaka [Taking time: 3:30 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car to Location [Taking time: 0:10 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil	Past disaster of site	Confirmation of existing system
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input checked="" type="checkbox"/> Sandy		<input type="checkbox"/> Lightning system
Altitude	2.00 M	Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	m ²	<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/> City water

3.2 Building Conditions

3.3 Power Source

Constructions	PLN Source	E/G	Existing Power Conditions
Num. of story	One	Voltage 220 V	Good Bad
Structure	Concrete	Phase 3	<input type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire 4	<input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA 3.8	<input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source	
Wall finish	Mortar	Fluctuations 220 V ± %	Capacity of fuel for engine
Flooring	Ceramic	Availability of power per day 24 Hours	Day tank Liter
Room Area (m ²)		Power interruption /month Times	Main tank k Liter
Operation room		Total interpt. hours /month Hours	E/G Stand-by System
E / G room		Max. interpt. hours at once Hours	<input type="checkbox"/> Single System
			<input type="checkbox"/> Dual System

Remark: No Data.
Operated by Kanpel staff.

4. OPERATION AND MAINTENANCE

5. PERSONNEL FORMATIONS

Actions taken in equipment failure				TX/RX	
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	Total
<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
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Location	Period
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Trainee	
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		

SUMMARY OF COAST STATION	SITE	KOLAKA		
	CLASS	4th-A	NO.	167

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			

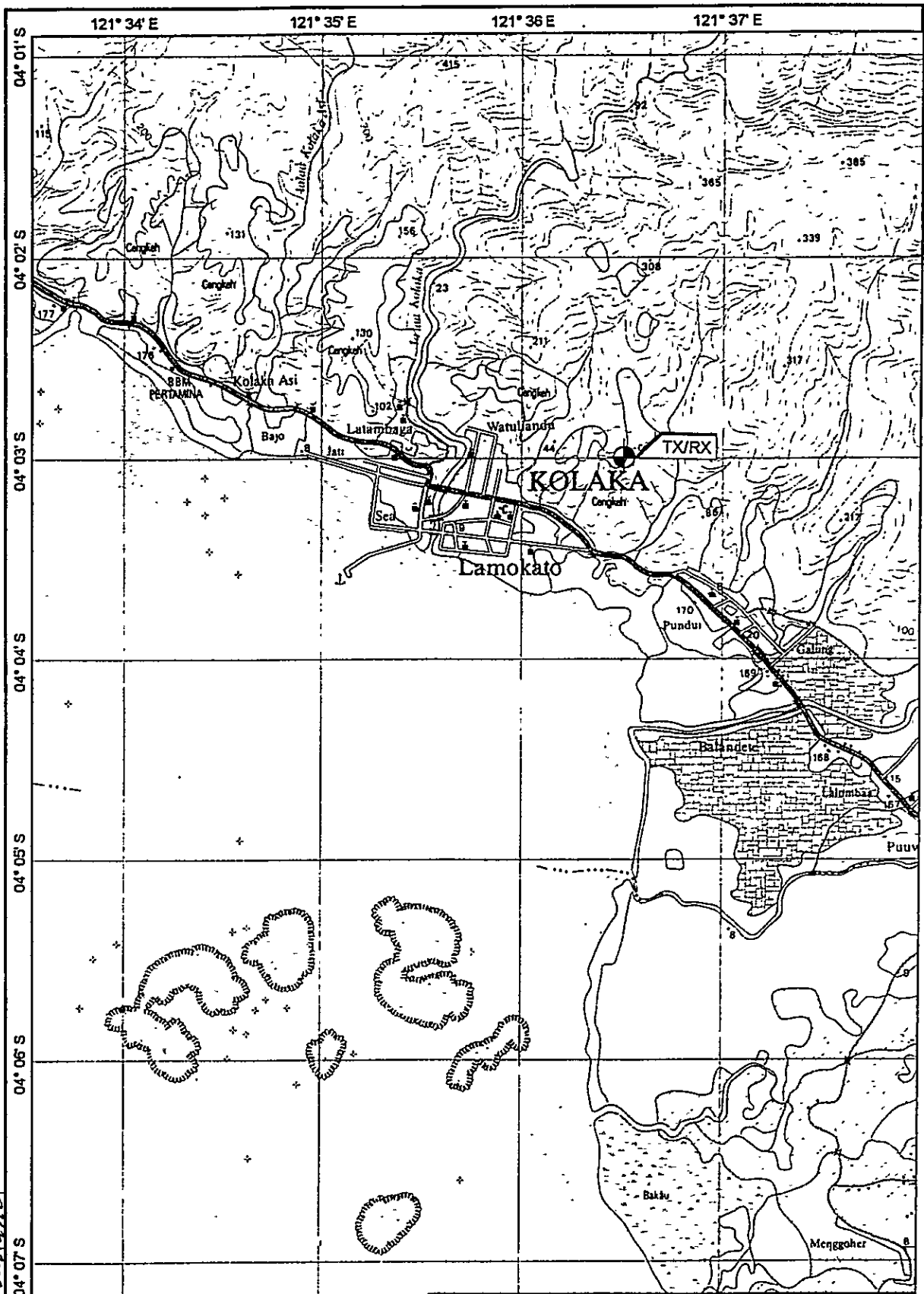
7. COMMENTS	
Suggestion	It is very important to have own Coast Station building with the size : 80M ² and dormitory 72M ² , Land 1,000 M ² with budget allocation Rp. 141,200,000. It is very important to install equipment as Coast Station Class-IVA standardization Operator necessary to follow Oru Training
Remarks	

INVENTORY

Site Name: Kolaka

KLA-167- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
Coast Station doesn't equiped with Radio communication equipment									



DRAWN BY AAB
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	KOLAKA	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - K, L, A, - 1, 6, 7, - 1	
- PT. Aneka Asia Buana		

4

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

4th-A Class Coast Station Pomalaa (Coast Station No. 168)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	POMALAA		
	CLASS	4th-A	NO.	168

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Protokol	0405-310171		121° 36' 21" E	04° 11' 06" S

2. GENERAL CONDITIONS

Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kendari [Taking time: 4.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	20,000
By Car	to Pomalaa [Taking time: 3.50 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
By Car	to Location [Taking time: 0.10 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> 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 type="checkbox"/>	<input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/>	<input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	10.00 M		Telephone Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> Feeder Cable Way
Land area	m ²		<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water

3.2 Building Conditions

3.3 Power Source

Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage 220 V	V	Good	Bad
Structure	Concrete	Phase 3		<input checked="" type="checkbox"/>	<input type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire 4		<input type="checkbox"/>	<input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA 3.8		<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	Mortar	Fluctuations	220 V ± %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month		E/G Stand-by System	
Operation room	4.00	Total interpt. hours /month	Hours	<input type="checkbox"/>	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/>	<input type="checkbox"/> Dual System

Remark: Radio Equipment has been lost

4. OPERATION AND MAINTENANCE

5. PERSONNEL FORMATIONS

Actions taken in equipment failure				TX/RX				
Restoration flow	Repaired by himself			Chief				
Examples of major failure	Short Circuit			Operator (skilled) : 2 () 0				
Sufficiency of spares	Not enough			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"/>	Total : 2				
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/>					
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	POMALAA		
	CLASS	4th-A	NO.	168

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	25	15	
1998					1993				1998	20	12	
1999					1994				1999	29	20	
2000					1995				2000	19	14	

7. COMMENTS

Suggestion	It is very important to have Own Coast Station Building with the size : 80M ² , dormitory 72M ² , Land 1,000M ² with budget allocation Rp. 141,200,000 It is very important to install equipment as class-IV-A Standardization Operator must be followed Oru training, operational equipment must be standardization to Coast Station Class-IV A
Remarks	

INVENTORY

Site Name: Pomalaa

PML-168- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1	1	Transmitter MF/HF Transceiver	IC-M710		ICOM	1995			Good
1-2	1	VHF System VHF Telephone Radio	FTC-1540A		Yaesu	1982			Damaged
2		Tower & Antenna System							
2-1	1	Antenna Selector Automatic Antenna Tuner	AT-120		ICOM	1995			Good
3		Power Supply Equipment							
3-1	1	UPS & AVR Power Supply	PS-140A		Bell Aeco	1995			Good
	2	Automatic Voltage Regulator	AR-500AH			1995			Good
4	1	Measuring Equipment Hand Set (x2)			ICOM	1995			Good
5	1	Others Typewriter			Broder	1995			Good

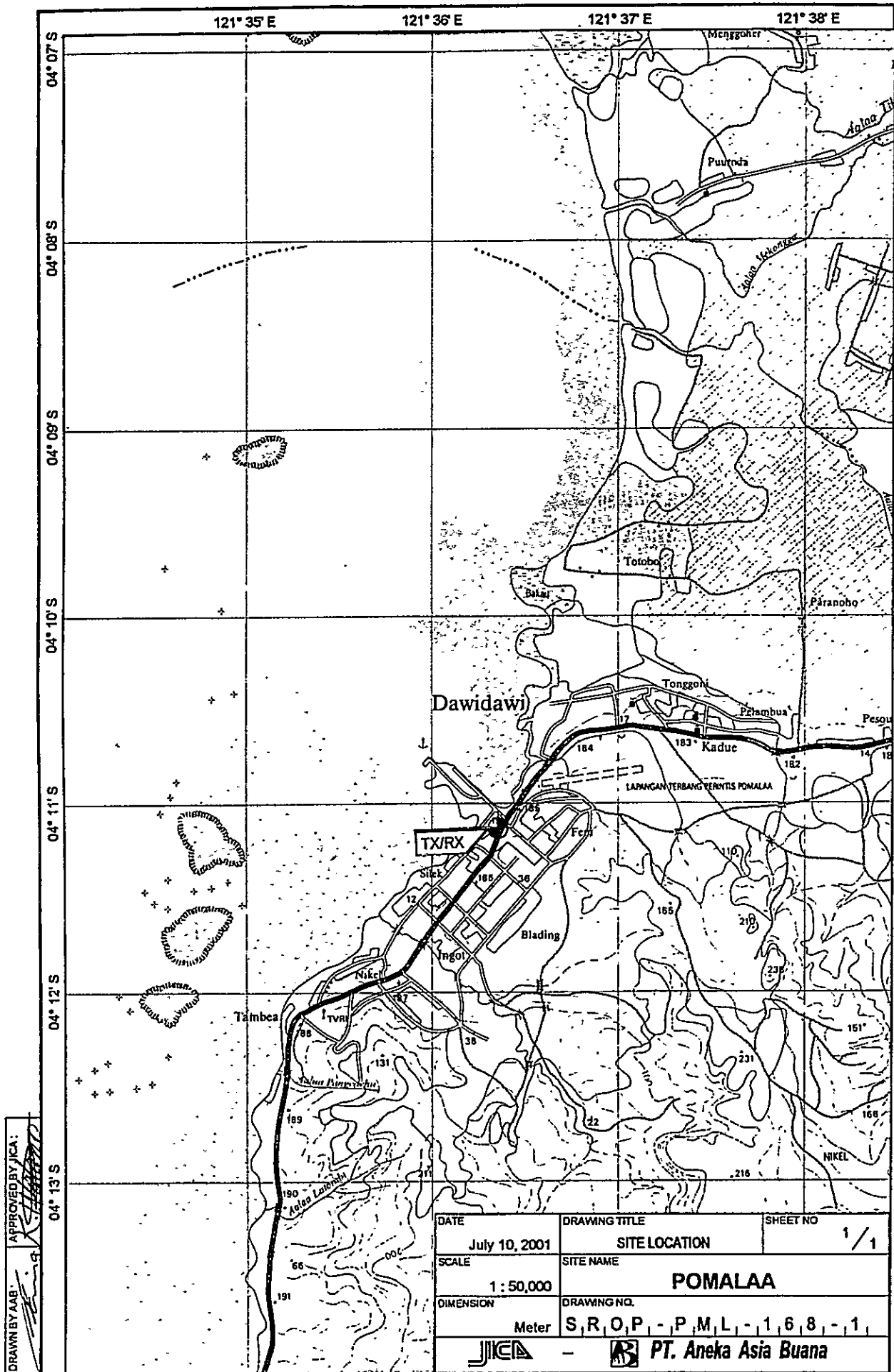
Kendar i

STATUS OF TROUBLES

SITE NAME : POMALAA

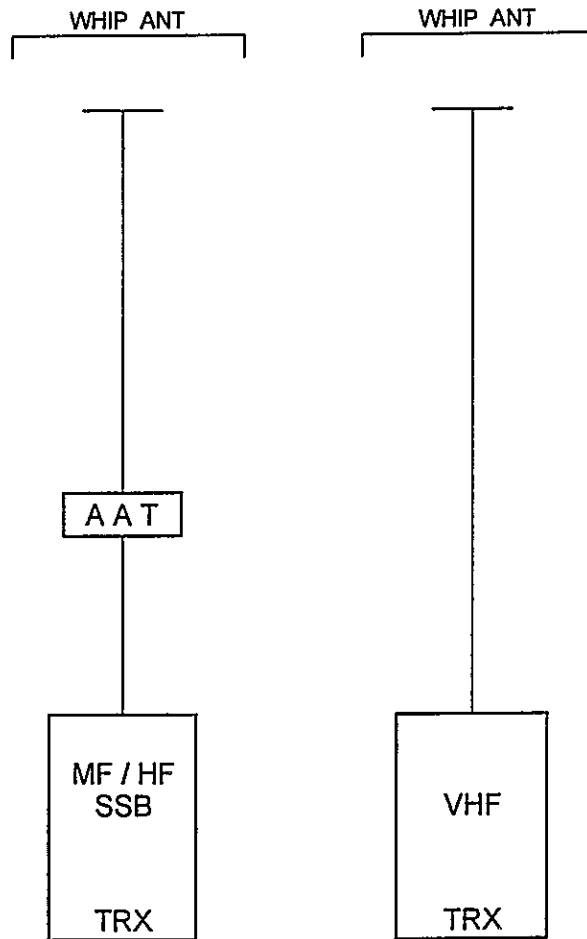
PML-168-(1/1)

Item / Equipment	VHF Telephone Radio / -		
Manufacturer	Jaesu		
Manufacturer in year	1982		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input checked="" type="checkbox"/> Aging		Repairing to be:
	<input type="checkbox"/> Lightning		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Lack of Spares		<input checked="" type="checkbox"/> By next project
<input type="checkbox"/> Others	<input type="checkbox"/> Unnecessary		
<u>General Comment for Maintenance:</u>			



DRAWN BY AAB
 APPROVED BY JICA:
 1

DATE	DRAWING TITLE	SHEET NO
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	POMALAA	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - P, M, L, - 1, 6, 8, - 1	
	PT. Aneka Asia Buana	

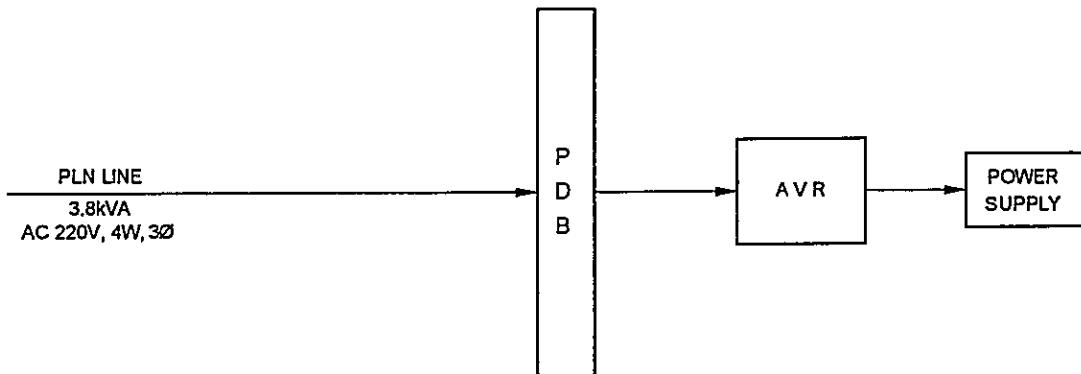


LEGEND

- AAT : ANTENNA AUTOMATIC TUNER
- ANT : ANTENNA
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCEIVER

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

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME POMALAA	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, P, M, L, -, 1, 6, 8, -, 5, 1	
- PT. Aneka Asia Buana		



LEGEND

- AC : ALTERNATING CURRENT
- AVR : AUTOMATIC VOLTAGE REGULATOR
- kVA : KILO VOLT AMPERE
- PDB : POWER DISTRIBUTION BOARD
- V : VOLT
- W : WIRE / WATT
- Ø : PHASE

DRAWN BY AIB
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	POWER BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	POMALAA	
DIMENSION	DRAWING NO	
Millimeter	S,R,O,P,-,P,M,L,-,1,6,8,-,6,	
- PT. Aneka Asia Buana		

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

**4th-B Class Coast Station
Banabungi
(Coast Station No. 169)**

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	BANABUNGI		
	CLASS	4th-B	NO.	169

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				122° 50' 40" E	05° 30' 50" S

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kendari [Taking time: 4.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Baus [Taking time: 4.30 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
By Car	to Banabungi [Taking time: 1.00 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions					
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input 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 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	2.00 M		Telephone Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> Feeder Cable Way
Land area	m ²		<input type="checkbox"/> Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story		Voltage	220 V	Good Bad	
Structure		Phase	3	<input type="checkbox"/>	<input type="checkbox"/> Power Supply System
Type of roof		Wire	4	<input type="checkbox"/>	<input type="checkbox"/> Operations of E/G
Type of ceiling		kVA	3.8	<input type="checkbox"/>	<input type="checkbox"/> Operations of AVR
Type of wall		Quality of PLN source		Capacity of fuel for engine	
Wall finish		Fluctuations	220 V ± %	Day tank	Liter
Flooring		Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month		E/G Stand-by System	
Operation room	6.00	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	Operated by Kappel Staff				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
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		Total		
<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 type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	BANABUNGI		
	CLASS	4th-B	NO.	169

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	It is very important to have own Coast Station Building and official house, land 500M ² with the budget allocation Rp 73,000,000 It is very important to install Coast Station Equipment Class-IVA standardization. Operator must be followed Oru Training
Remarks	

INVENTORY

Site Name: Banabungi

BBG-169-(1/1)

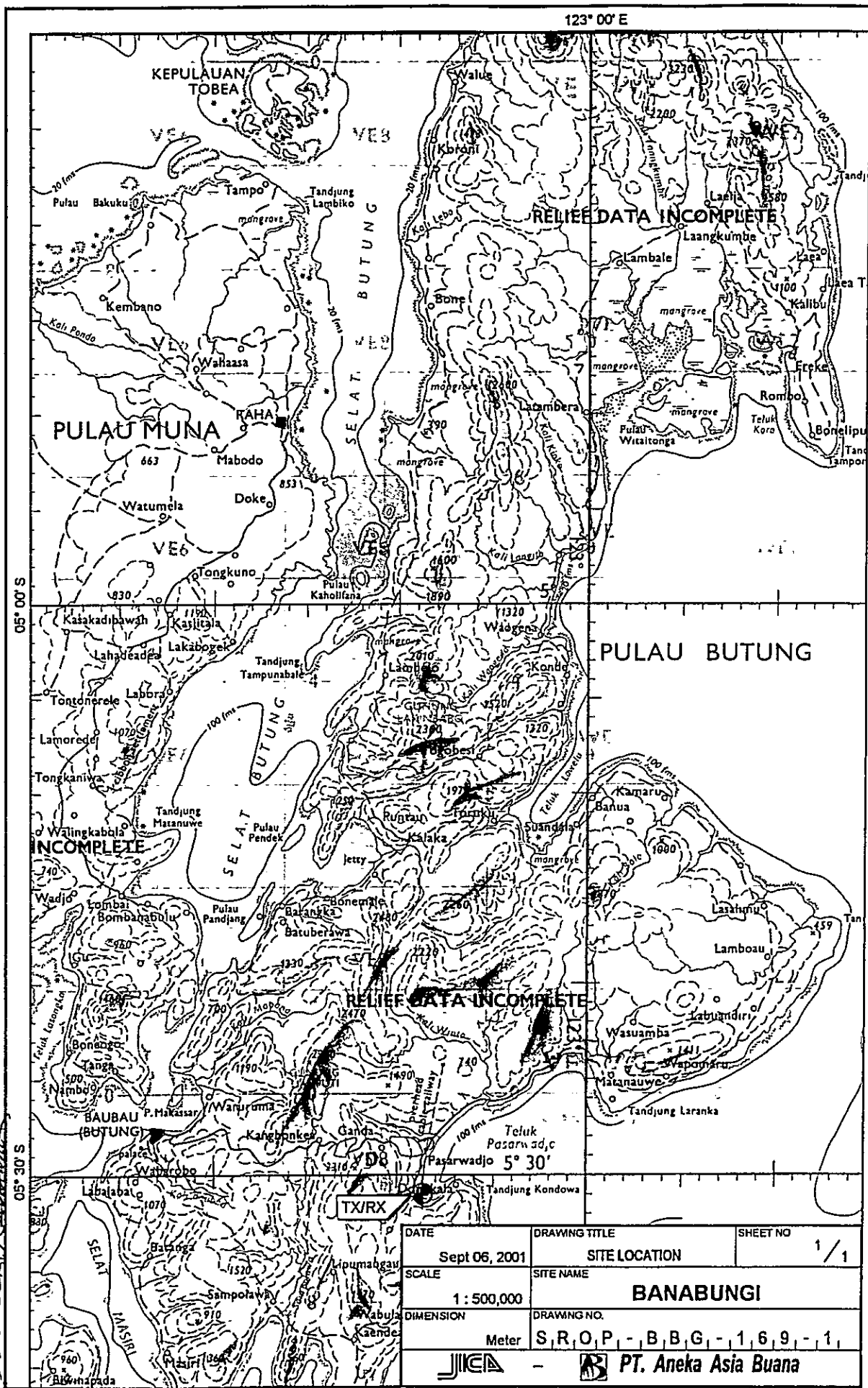
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1		Radio Equipment Transmitter SSB Transceiver	NS-11A	5320035	Furuno	1978			Damaged

STATUS OF TROUBLES

SITE NAME : BANABUNGI

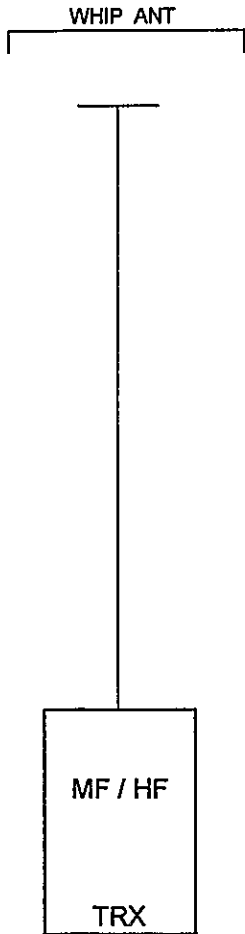
BBG-169-(1/1)

Item / Equipment	SSB Transceiver / -		
Manufacturer	Japan		
Manufacturer in year	1978		
Defective panel / unit	Crystal		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input checked="" type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input checked="" 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>			



DRAWN BY AAB
 APPROVED BY JICA:



DATE	Sept 06, 2001	DRAWING TITLE	SITE LOCATION	SHEET NO	1/1
SCALE	1 : 500,000	SITE NAME			
		BANABUNGI			
DIMENSION	Meter	DRAWING NO.			
		S, R, O, P - B, B, G - 1, 6, 9 - 1,			



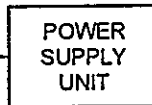
LEGEND

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

DRAWN BY AAB
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	BANABUNGI	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - B, B, G, - 1, 6, 9, - 5,	
 -  PT. Aneka Asia Buana		

PLN LINE
3.8kVA
AC 220V, 4W, 3Ø





TO MF/HF
TRX

LEGEND

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

DRAWN BY AAB. APPROVED BY JICA:

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

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

4th-B Class Coast Station Malili (Coast Station No. 170)

Table of Content

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

TRX Drawings:

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

Note :

- Available in this list
- Not Available in this list
- Unnecessary in this list
- * Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF COAST STATION	SITE	MALILI		
	CLASS	4th-B	NO.	170

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Gemba No. 16, Malili			121° 04' 30" E	02° 38' 30" E

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Kendari [Taking time: 4:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Malili [Taking time: 12:30 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
By Car	to Location [Taking time: 0:20 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions					
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	M		Telephone Lines	<input type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	m²		<input type="checkbox"/> Lines	<input 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		Voltage	V	V	Good Bad
Structure		Phase			<input type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof		Wire			<input type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling		kVA			<input type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall		Quality of PLN source		Capacity of fuel for engine	
Wall finish		Fluctuations	220 V ± %	Day tank	Liter
Flooring		Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m²)		Power interruption /month	Times	E/G Stand-by System	
Operation room	6.00	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	No Data (Operated by Kanpel Staff)				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure					TX/RX			
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 type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	MALILI		
	CLASS	4th-B	NO.	170

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

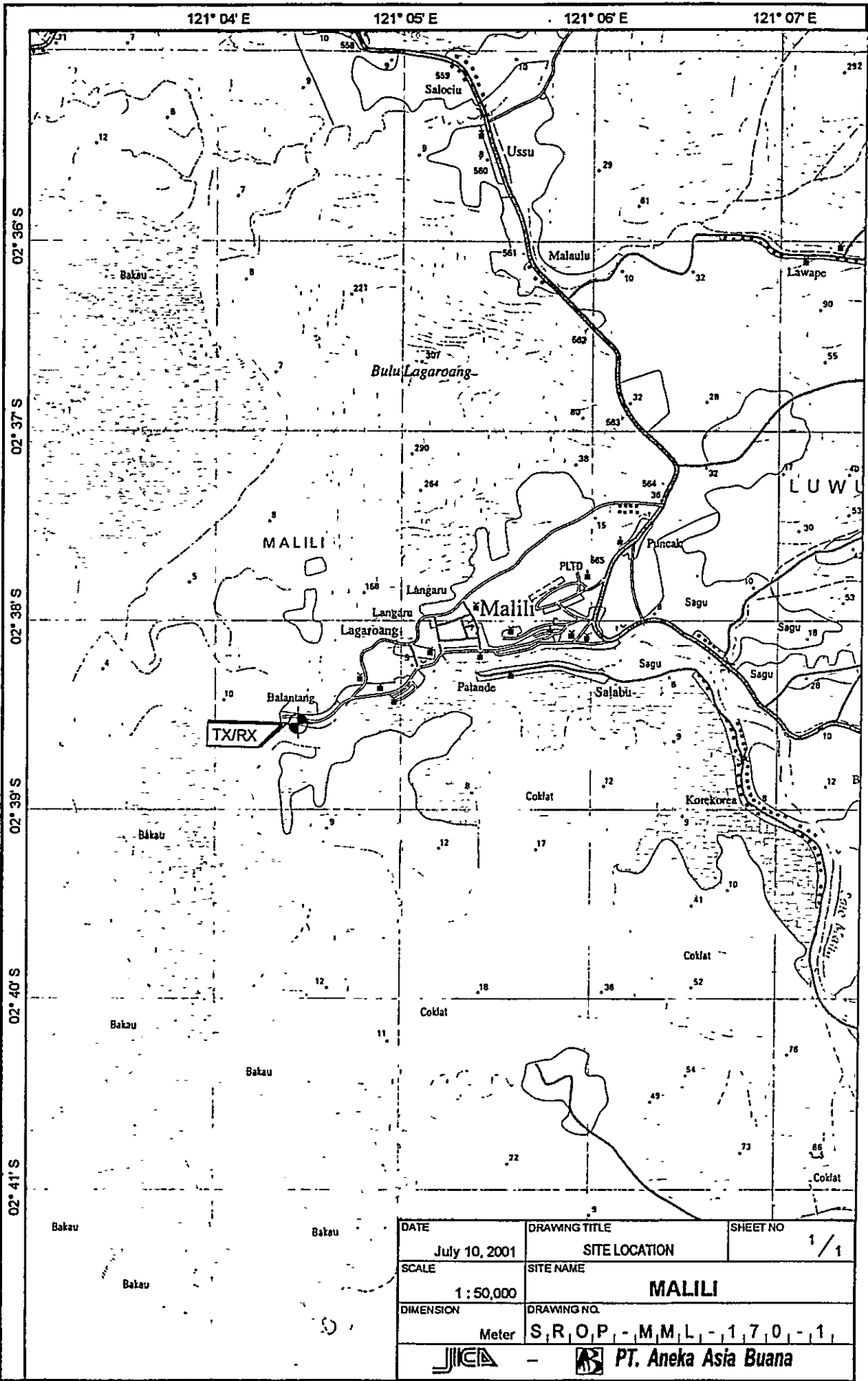
Suggestion	It is very important to have own Coast Station Building and official house, land location 500M ² with budget allocation 73,000,000
	It is very important to install equipment as Class-IVA standardization Operator must be followed Oru Training
Remarks	

INVENTORY

Site Name: Malili

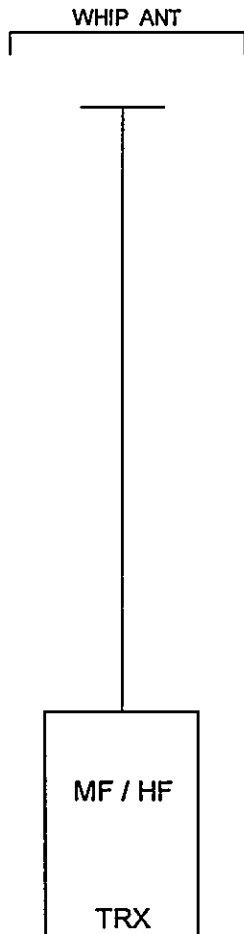
MML-170-(1/1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1		Radio Equipment Transmitter SSB Transceiver	IC-M700		Furuno				Good



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DATE	DRAWING TITLE	SHEET NO
July 10, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	MALILI	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P - M, M, L - 1, 7, 0 - 1	

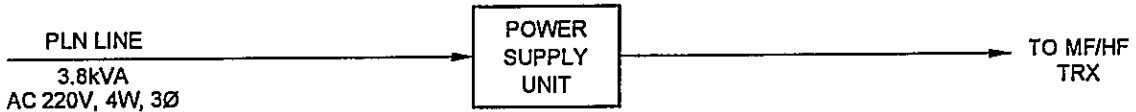


LEGEND

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

APPROVED BY JICA
 DRAWN BY AAB

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME MALILI	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - M, M, L, - 1, 7, 0, - 5,	
 -  PT. Aneka Asia Buana		



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SCALE	SITE NAME	
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Milimeter	S, R, O, P, - M, M, L, - 1, 7, 0, - 6,	
- PT. Aneka Asia Buana		

