

STEM
SIA

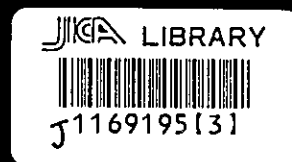
THE STUDY FOR
MARITIME TRAFFIC SAFETY SYSTEM DEVELOPMENT PLAN
IN THE REPUBLIC OF INDONESIA

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

VOLUME - 1

DISTRICT NAVIGATION AREAS
OF
SUMATERA

1	Sub-Disnav	Sabang
2	2nd Class Disnav	Belawan
3	Sub-Disnav	Sibolga
4	1st Class Disnav	Dumai
5	1st Class Disnav	Tanjung Pinang
6	2nd Class Disnav	Teluk Bayur
7	2nd Class Disnav	Palembang



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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**SUB DISTRICT NAVIGATION AREA (1)
SABANG**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

Sub District Navigation Area (1) Sabang

Table of Content

DISNAV	1	Sabang	Sub
SROP	1	Sabang	2nd Class
	2	Ulee Lheue	4th-A Class
	3	Meulaboh	4th-A Class
	4	Tapak Tuan	4th-A Class
	5	Sinabang	4th-A Class
	6	Sigli	4th-B Class
	7	Susoh	4th-B Class
	8	Singkel	4th-B Class
	9	Idi	4th-B Class

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

**Sub District Navigation Office (Area-1)
Sabang**

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	SABANG		
	CLASS	Sub	NO.	1

1. LOCATION

Address	Tel.	Fax	Longitude	Latitude
Jl. Panglima Polim No. 1, Sabang	0652-21303	0651-21660	95° 18' 34" E	05° 53' 45" N

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Banda Aceh [Taking time 4:45 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	25,000
By Ship to Sabang [Taking time: 2.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car to Location [Taking time. 1.00 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> None		

3. CONDITIONS OF DISNAV OFFICE

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil	Past disaster of site	Confirmation of existing system
<input type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Flood	Yes No
<input checked="" 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 type="checkbox"/> Sandy		<input type="checkbox"/> Lightning system
Altitude	3 m	Telephone Lines	<input checked="" type="checkbox"/> Feeder Cable Way
Land area	10,000 m ²	<input checked="" type="checkbox"/> 2 Lines	<input checked="" type="checkbox"/> City water

3.2 Building Conditions

3.3 Power Source

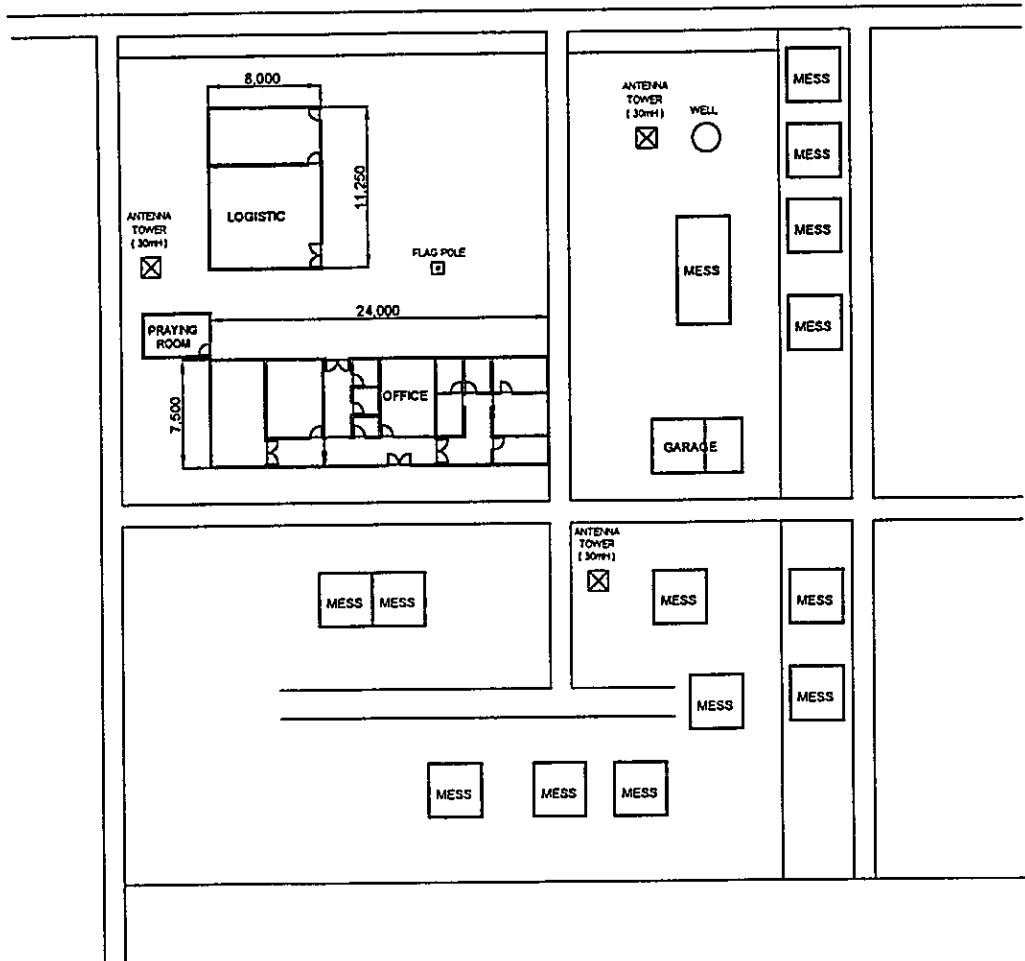
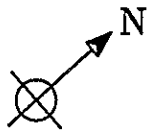
Constructions	PLN Source	E/G	Existing Power Conditions
Num. of story	One	Voltage	V
Structure	Concrete	Phase	Good Bad
Type of roof	Asbestos	Wire	<input type="checkbox"/> Power Supply System
Type of ceiling	Plasterboard	kVA	<input type="checkbox"/> Operations of E/G
Type of wall	Brick		<input type="checkbox"/> Operations of AVR
Wall finish	Mortar	Quality of PLN source	Capacity of fuel for engine
Flooring	Mortar	Fluctuations	V ± %
		Availability of power per day	24 Hours
		Power interruption /month	2 Times
Room Area (m ²)		Total interpt. hours /month	2 Hours
Operation room	180	Max. interpt. hours at once	10 Hours
E / G room	35		
Remark			

4. OPERATION AND MAINTENANCE

5. PERSONNEL FORMATIONS

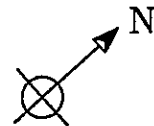
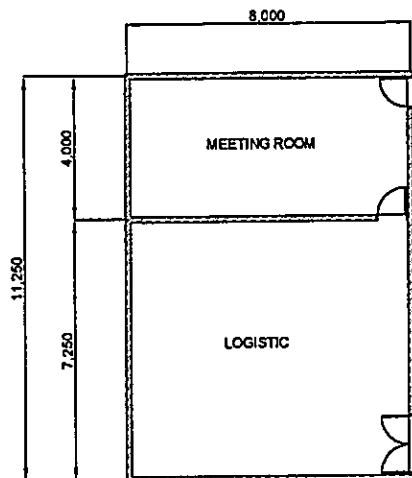
Actions taken in equipment failure								
Restoration flow				Chief				
Examples of major failure				Operator (skilled)				
Sufficiency of spares				Technician (skilled)				
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good / Bad						
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/> External noises		Total				
<input type="checkbox"/> Lightning		<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 DISNAV					SITE		SABANG					
					CLASS		Sub	NO.	1			
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	To day Sabang Coast Station never receiving nor sending messages to-from Trading Ship, whether by telegraph or telephone. Spares for Radio equipment are not available in the market.											
Remarks												

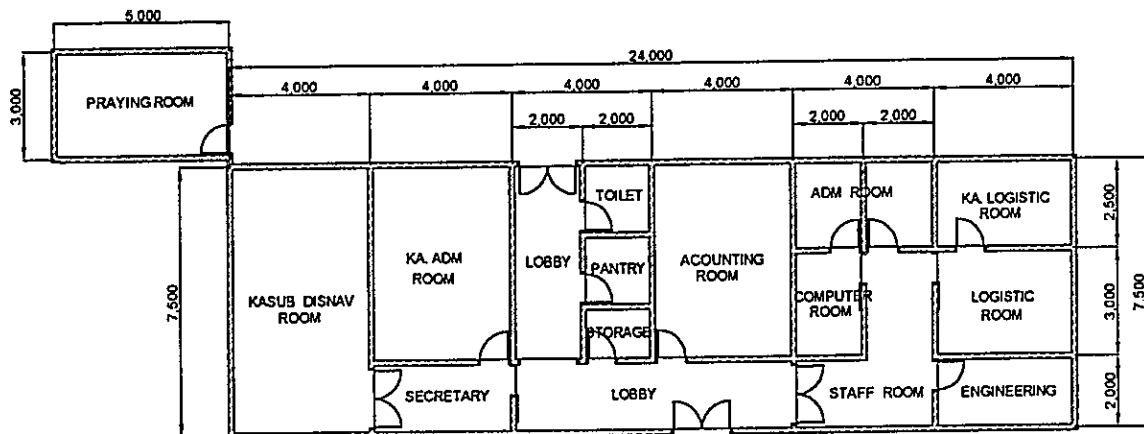


DRAWN BY AAB
 APPROVED BY JICA
 1/1

DATE	JULY 23, 2001	DRAWING TITLE	ANTENNA LAYOUT	SHEET NO	1 / 1
SCALE	1 : 500	SITE NAME SABANG			
DIMENSION	Milimeter	DRAWING NO D, N, A, V, - , S, B, G, - , 0 0, 1, - 2,			
JICA		- PT. Aneka Asia Buana			



FLAG POLE
8



DRAWN BY AAB
APPROVED BY JICA
11/11/2001

DATE July 23, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1/1
SCALE 1 : 200	SITE NAME SABANG	
DIMENSION Milimeter	DRAWING NO D,N,A,V,-,S,B,G,-,0,0,1,-,3,	
JICA - PT. Aneka Asia Buana		

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

2nd Class Coast Station Sabang (Coast Station No. 1)

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	SABANG
				CLASS	(2nd) NO. 1

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Panglima Polem No. 1	21303		95° 19' 45" E	05° 52' 45" N

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air 10 Bnd. Aceh (Taking time. 2:45 hr.)	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	27,000
By Ship 10 Sabang (Taking time. 2.00 hr.)	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car 10 Location (Taking time. 0.30 hr.)	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
		<input type="checkbox"/> None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input 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 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 checked="" type="checkbox"/> <input 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	4.00 M		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way	
Land area	10,0000 m ²		<input checked="" type="checkbox"/> 2 Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> City water	

3.2 Building Conditions

3.3 Power Source

Constructions		PLN Source	E/G	Existing Power Conditions	
Num of story	One	Voltage 220 V	220/380 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	60	<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	V ± %	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	96.70	Total interpt. hours /month	20 Hours	<input type="checkbox"/> Single System	
E / G room	51.00	Max. interpt hours at once	10 Hours	<input checked="" type="checkbox"/> Dual System	
Remark					

4. OPERATION AND MAINTENANCE

5. PERSONNEL FORMATIONS

Actions taken in equipment failure				TX/RX			
Restoration flow	Repaired directly by technician			Chief	1		
Examples of major failure	Damage by lightning			Operator (skilled)	13 (6)		()
Sufficiency of spares	Not enough spare unit			Technician (skilled)	4 (2)		()
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 18			
<input checked="" type="checkbox"/> Lightning	VHF Console/Marine	<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
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Operator	I	Jkt/Sby	1997
3 Measuring eqpt /tools	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Technician	III	Jakarta	1980
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Operator	Oru	Medan	1998
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		SABANG		
								CLASS		(2nd)	NO.	1
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	8	8			1991	447	2,557	156	1996	72	451	85
1997	9	9			1992	444	2,547	185	1997	2	13	41
1998	4	4			1993	389	2,221	102	1998	33	236	11
1999	5	5			1994	192	1,161	38	1999	72	526	56
2000	2	2			1995	123	931	54	2000	8	55	38
7. COMMENTS												
Suggestion	In order to operate optimally, we request to have splitted between TX and RX Station.											
	Request for new equipment to meet GMDSS requirement.											
	Spare unit and spare part shall be prepared sufficiently and conduct official training											
Remarks												

INVENTORY

Site Name: Sabang

SBG-001- (1 / 4)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter							
1		1kW HF TX (Fixed)	JRS-106ND	BS61932	JRC	1987	F-TA-193:PHI		Good
2		1kW HF TX (Fixed)	JRS-106ND	BS61933	JRC	1987	F-TA-193:PHI		Good
3		0.5 kW TX Mobile	NSD-482S	BS35082	JRC	1987	F-TA-193:PHI		Damaged
4		0.5 kW TX Mobile	NSD-482S	BS35083	JRC	1987	F-TA-193:PHI		Not so good
1-2		Remote Control System							
1-2-1		Remote Control							
1		Signal Controller	NQP-21	BP90968	JRC	1987	F-TA-193:PHI		Good
2		Signal Controller	NQP-21	BP909694	JRC	1987	F-TA-193:PHI		Good
3		Control Panel	NSB-77		JRC	1987	F-TA-193:PHI		Good
4		Scanning Unit	NDH-93		JRC	1987	F-TA-193:PHI		Good
5		ARQ Equipment	NCL-550A	GA11024	JRC	1987	F-TA-193:PHI		Good
6		Teleprinter	T 1000 S	102549	Siemens	1987	F-TA-193:PHI		Damaged
7		Teleprinter	T 1000 S	102548	Siemens	1987	F-TA-193:PHI		Not so good
1-2-2		Supervisory Console							
1		Auto Alarm 500 KHz	JXA-15	BA-225028	JRC	1987	F-TA-193:PHI		Good
2		Auto Alarm 2182 KHz	JXA-8	BA-22642	JRC	1987	F-TA-193:PHI		Good
1-3		Operator Console/Desktop/Rack							
1-3-1		MF TG Console							
1		Console	NCU-282	BP31413	JRC	1987	F-TA-193:PHI		Good
1-4		VHF System							
1		VHF Radio Telephone	JHV 227 YA	CM 63464	JRC	1987	F-TA-193:PHI		Damaged
2		TRX VHF Marine	GFD 260 YK	CM 63447	JRC	1987	F-TA-193:PHI		Good
3		TRX VHF Marine	GFD 260 YK	CM 63454	JRC	1987	F-TA-193:PHI		Good
4		VHF Console	GFD 501 YB (E)	CM63484	JRC	1987	F-TA-193:PHI		Not so good
5		Filter Select	CSD-359	-	JRC	1987	F-TA-193:PHI		Good
6		Band Pass Filter	BR2-1500A	72518	A.Gikken	1987	F-TA-193:PHI		Good
7		Antenna Duplexer	DF 331500A	72525	A.Gikken	1987	F-TA-193:PHI		Good
8		Duplexer	NFJ 24 YN	72161	A.Gikken	1987	F-TA-193:PHI		Good

Sabang

INVENTORY

Site Name: Sabang

SBG-001- (2 / 4)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-5		Receiver							
1		All Wave Digital Rec	NRD-93	BR 41482	JRC	1987	F-TA-193:PHI		Good
2		All Wave Digital Rec	NRD-93	BR 41483	JRC	1987	F-TA-193:PHI		Good
3		All Wave Digital Rec	NRD-93	BR 41462	JRC	1987	F-TA-193:PHI		Good
4		All Wave Digital Rec	NRD-93	BR 41463	JRC	1987	F-TA-193:PHI		Good
5		Telephone Repeater	NQQ-22	BP91260	JRC	1987	F-TA-193:PHI		Good
6		Lincompex	NZA-15	BB 10195	JRC	1987	F-TA-193:PHI		Good
7		Speaker Panel	NVA-64		JRC	1987	F-TA-193:PHI		Good
8		Power Amplifier	NAF 581		JRC	1987	F-TA-193:PHI		Good
9		Power Amplifier	NAF 581	836-12	JRC	1987	F-TA-193:PHI		Good
10		Exciter	NNE-481		JRC	1987	F-TA-193:PHI		Good
11		Exciter	NNE-481		JRC	1987	F-TA-193:PHI		Damaged
2		Tower & Antenna System							
2-1		Tower & Mast							
		TX Station							
1		30mH Tower	Triangle	-	-	1964			75% Good
2		7mH Feeder Pole	-	-	-	1964			75% Good
2-2		Antenna System							
		TX Station							
1		T Type Antenna				1987	F-TA-193:PHI		Good
2		I/L Antenna				1987	F-TA-193:PHI		Good
3		Cardiode Antenna (2)				1987	F-TA-193:PHI		Good
4		Dipole Antenna				1987	F-TA-193:PHI		Good
2-3		Antenna Switch							
1		Antenna Exchanger	NKZ-223	BP91394	JRC	1987	F-TA-193:PHI		Good
2		Antenna Selector							
2-4		Antenna Multicoupler	NAF-80FA	-	JRC	1987	F-TA-193:PHI		Not use
1		Antenna Matching Unit							
2		MF TX Matching Unit				1987	F-TA-193:PHI		Not Good
3		I/L TX Matching Unit				1987	F-TA-193:PHI		Not Good
4		I/L Receiver Matching Unit				1987	F-TA-193:PHI		Not Good
		Matching Unit Control	NCM-134F	BP91396	JRC	1987	F-TA-193:PHI		Good

Sabang

INVENTORY

Site Name: Sabang

SBG-001- (3 / 4)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		PDB	NBJ-223D	W100836-12	JRC	1987	F-TA-193:PHI		Good
2		Control Panel	NP431231	986074	Sanyo	1964			Good
3		Control Panel	NP431231	986073	Sanyo	1964			Good
4		Switch Board	NCB-290	P 10292	-	1964			Good
3-2		Step-Up Transformer							
1		Step Up Transformer	00390	3579	LVED	1987	F-TA-193:PHI		Good
2		3kVA Transformer	LP1099	F 6679	-	1964			Good
3-3		UPS & AVR System							
1		25kVA AVR	00012	S23537	ERED	1987	F-TA-193:PHI		Good
3-4		Engine Generator							
1		Generator 60kVA	OPT	941051	Sanyo	1964			Good
2		Generator 60kVA	OPT	941052	Sanyo	1964			Good
3		Diesel 78PK	6LDL-B	4F0993FX	Yanmar	1964			Good
4		Diesel 78PK	6LDL-B	4F0994FX	Yanmar	1964			Good
5		Motor Fuel Tank and Control	HO 2811	26602SY	Fuji	1964			Good
4		Measuring Equipment							
1		Frequency Counter	MIF 57 A	M61636	Anritsu	1987	F-TA-193:PHI		Good
2		Oscilloscope	2235	BO32579	Textronik	1987	F-TA-193:PHI		Damaged
3		Signal Generator	MG 3601 A	M21637	Anritsu	1987	F-TA-193:PHI		Good
4		Audio Distortion Meter	796 F	M5173006	Shibasaku	1987	F-TA-193:PHI		Good
5		Variable Attenuator	KAT-502	7S-904-6	Kyoritsu	1987	F-TA-193:PHI		Good
6		Spectrum Analyzer	MS-6203	M18335	Anritsu	1987	F-TA-193:PHI		Good
7		Electronic Volt Meter	ML 69 A	M45835	Anritsu	1987	F-TA-193:PHI		Good
8		VHF Output	MS 52 B	M71634	Anritsu	1987	F-TA-193:PHI		Good
9		Directional Coupler	MA 52 A	M11927	Anritsu	1987	F-TA-193:PHI		Good

Sabang

INVENTORY

Site Name: Sabang

SBG-001- (4 / 4)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
10		Termination Power Meter	TP SJ3A	32171	Fujisoku	1987	F-TA-193:PHI		Good
11		Field Strength Meter	M 262 E	M43736	Anritsu	1987	F-TA-193:PHI		Good
12		Multi Meter	2010	-	Hioki	1987	F-TA-193:PHI		Not so good
5		Others							
1		Dummy Load	DL-102ASJA	98196,6	JRC	1987	F-TA-193:PHI		Good

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(1/8)

Item / Equipment	VHF Marine Radio Telephone / JHV 227 YA			
Manufacturer	JRC			
Manufacturer in year	1987			
Defective panel / unit	PCB CMC 124 YA			
Details of Trouble Status	Cause doe to:	Urgency of Repair		Repairing to be:
	<input checked="" type="checkbox"/> Aging			<input checked="" type="checkbox"/> Immediacy
	<input checked="" type="checkbox"/> Lightning			<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion			<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares			<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u> Send to Jakarta to be repaired, and returned to Sabang (PCB type CMC 124) is not compatible, maybe the above PCB used for Ship's Station Request for new VHF Multi System Request for Expert Lightening System and Grounding System				

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(2/8)

Item / Equipment	Teleprinter / T.1000.S			
Manufacturer	Siemens			
Manufacturer in year	1987			
Defective panel / unit	LQ (MD) Tape Punch for floppy disk and Transformer for monitor			
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 type="checkbox"/> By next project	
	<input type="checkbox"/> Lack of Spares		<input checked="" type="checkbox"/> Unnecessary	
	<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u> Request to change with Teleprinter Type T. 1000, which is not using the floppy disc and monitor, but only using paper and ribbon				

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(3/8)

Item / Equipment	VHF Console / CM-63484			
Manufacturer	JRC			
Manufacturer in year	1987			
Defective panel / unit	-			
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 checked="" type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion			<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares			<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u>				
<p>Panel/Unit Damage are as follows : 1) Trunk TP-6677-2 2) Misc TP-6677-6 3) Conn. Cont TP-6677-4 4) Operator Trunk TP-6677-8 5) MBU Mother Board TP-6677-6</p> <p>Has been tried to repair, but not perfect</p> <p>Request for technician from JRC</p>				

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(4/8)

Item / Equipment	Radio Console / JSS-282			
Manufacturer	JRC			
Manufacturer in year	1987			
Defective panel / unit	NNE-481 Exciter			
Details of Trouble Status	Cause doe to:	Urgency of Repair		Repairing to be:
	<input checked="" type="checkbox"/> Aging			<input checked="" type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning			<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion			<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares			<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u> Display Board CDE-724 unit, damaged .- Has been tried to find out spare part, but nothing Request for availability of spare unit, or send the expert for repairing				

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(5/8)

Item / Equipment	PDB / NBJ-223D		
Manufacturer	JRC		
Manufacturer in year	1987		
Defective panel / unit	Electric Switch		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input checked="" type="checkbox"/> Aging		<input checked="" type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u> Has been repaired, and for the time being no problem at all Damaged with turn on and turn off switching, caused by aging only If necessary for changed , it can be requested to head office			

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(6/8)

Item / Equipment	Antenna Tuner / NFG-482		
Manufacturer	JRC		
Manufacturer in year	1987		
Defective panel / unit	Antenna Coupler CFG-801		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input checked="" type="checkbox"/> Immediacy
	<input checked="" type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u> Request for restructuring of grounding system and lightening rod Request for the new one or change the model/system			

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(7/8)

Item / Equipment	Loading Coil Unit / MF Telegraph		
Manufacturer	JRC		
Manufacturer in year	1987		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input checked="" type="checkbox"/> Aging		<input checked="" type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
If possible, request to change the system Trouble for removal Calling Antenna Frequency and Work Frequency			

STATUS OF TROUBLES

SITE NAME : SABANG

SBG-1-(8/8)

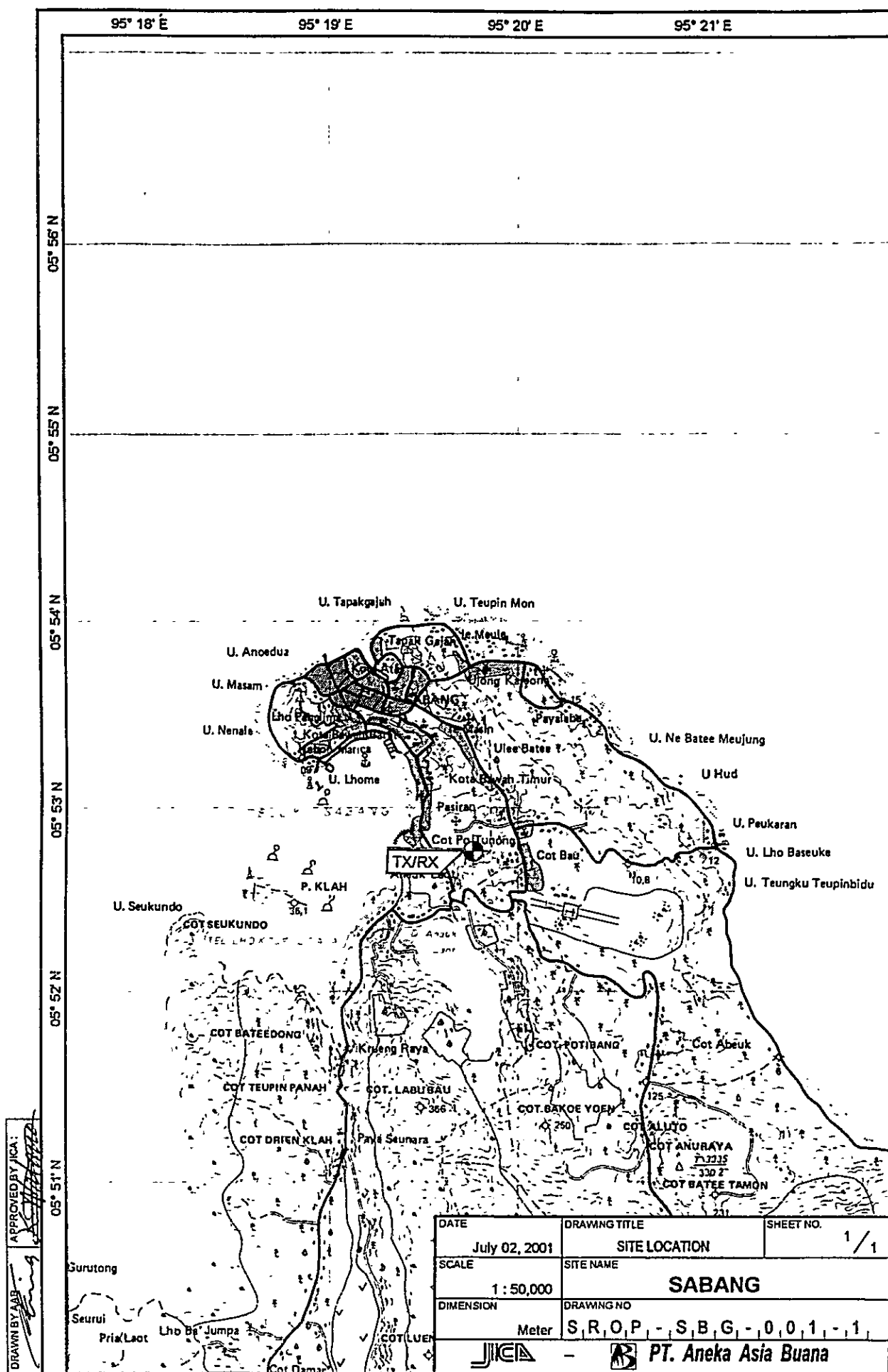
Item / Equipment	Antenna Matching Unit / NFG-2C			
Manufacturer	JRC			
Manufacturer in year	1987			
Defective panel / unit	Servo Motor			
Details of Trouble Status	Cause doe to:	Urgency of Repair		Repairing to be:
	<input type="checkbox"/> Aging			<input checked="" type="checkbox"/> Immediacy
	<input checked="" type="checkbox"/> Lightning			<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion			<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares			<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u> Trouble for removal the channel, caused by damaged Servo Motor For the time being TX type JRS 106NB only transmit for two frequencies; for Frequencies 5295.5 kHz and Frequency 5165.0 kHz.; .				

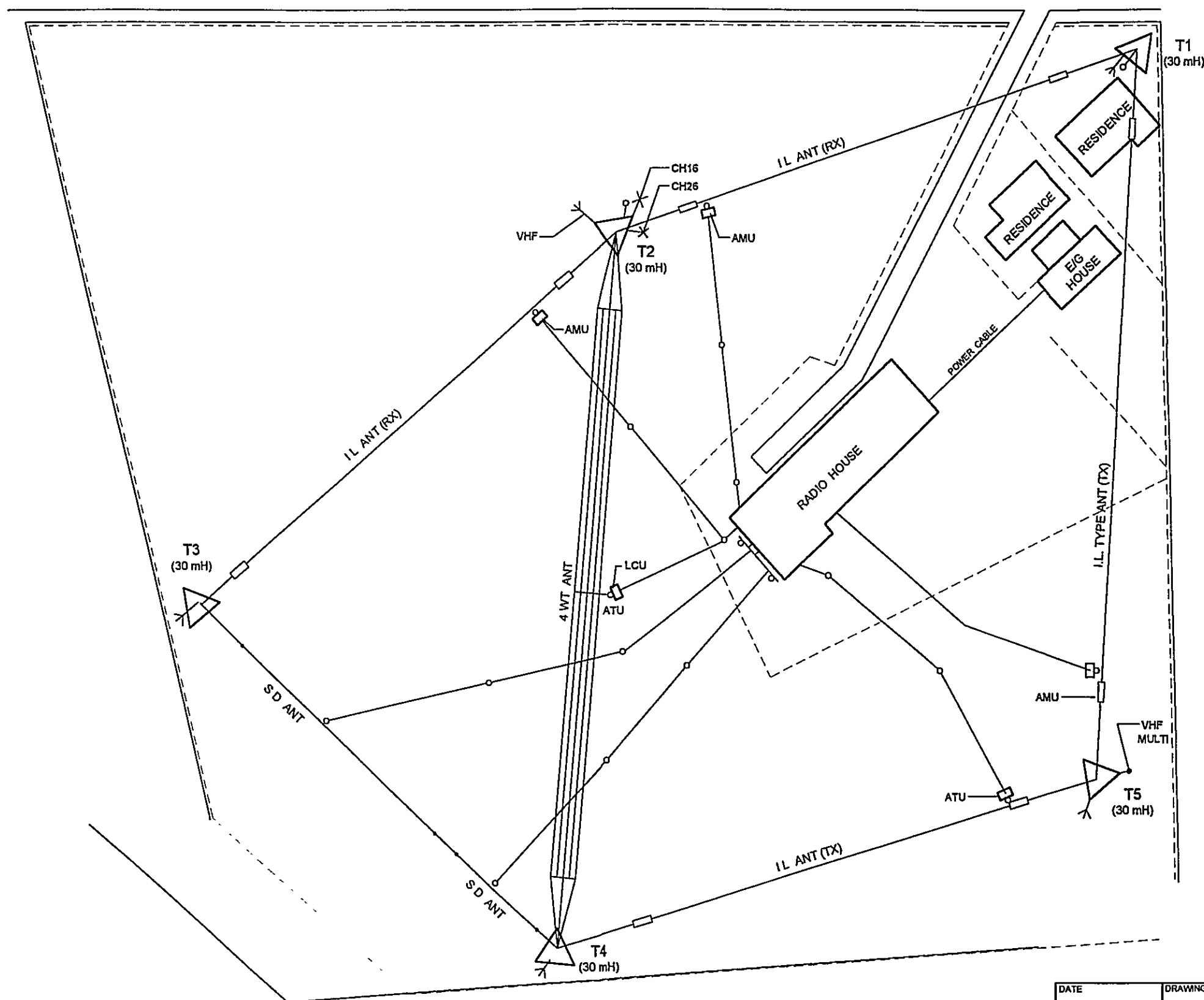
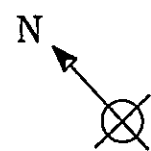
SBG-001-(1/1)

Call Sign : Mobile Service : PKA
Fix Service : 8A12

[illegible]

Opschedule-Sabang



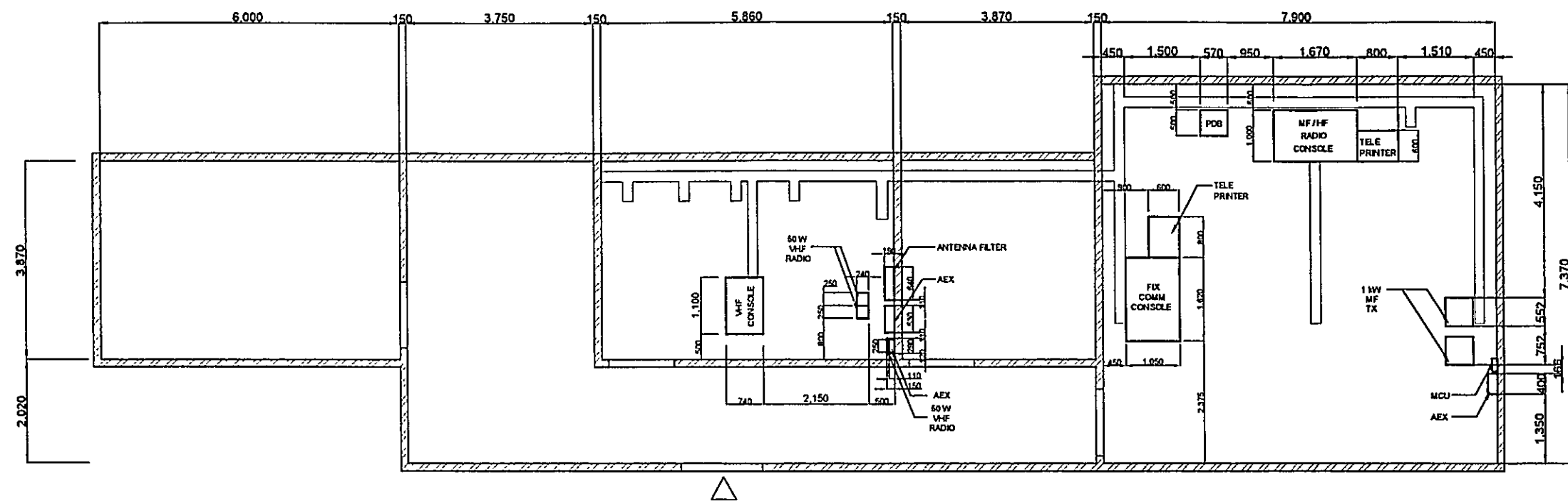


LEGEND

ANT . ANTENNA
AMU . ANTENNA MATCHING UNIT
ATU . ANTENNA TUNER UNIT
CH . CHANNEL
IL . INVERTED L
LCU . LOADING COIL UNIT
SD . SINGLE DOUBLET
VHF . VERY HIGH FREQUENCY

DATE	JUNE 6, 2001	DRAWING TITLE	ANTENNA LAYOUT	SHEET NO.	1/1
SCALE	1 : 600	SITE NAME	SABANG		
DIMENSION	Millimeter	DRAWING NO.	S.R.O.P. - S.B.G. - 0.0.1. - 2.		
JICA		PT. Aneka Asia Buana			

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[Signature]

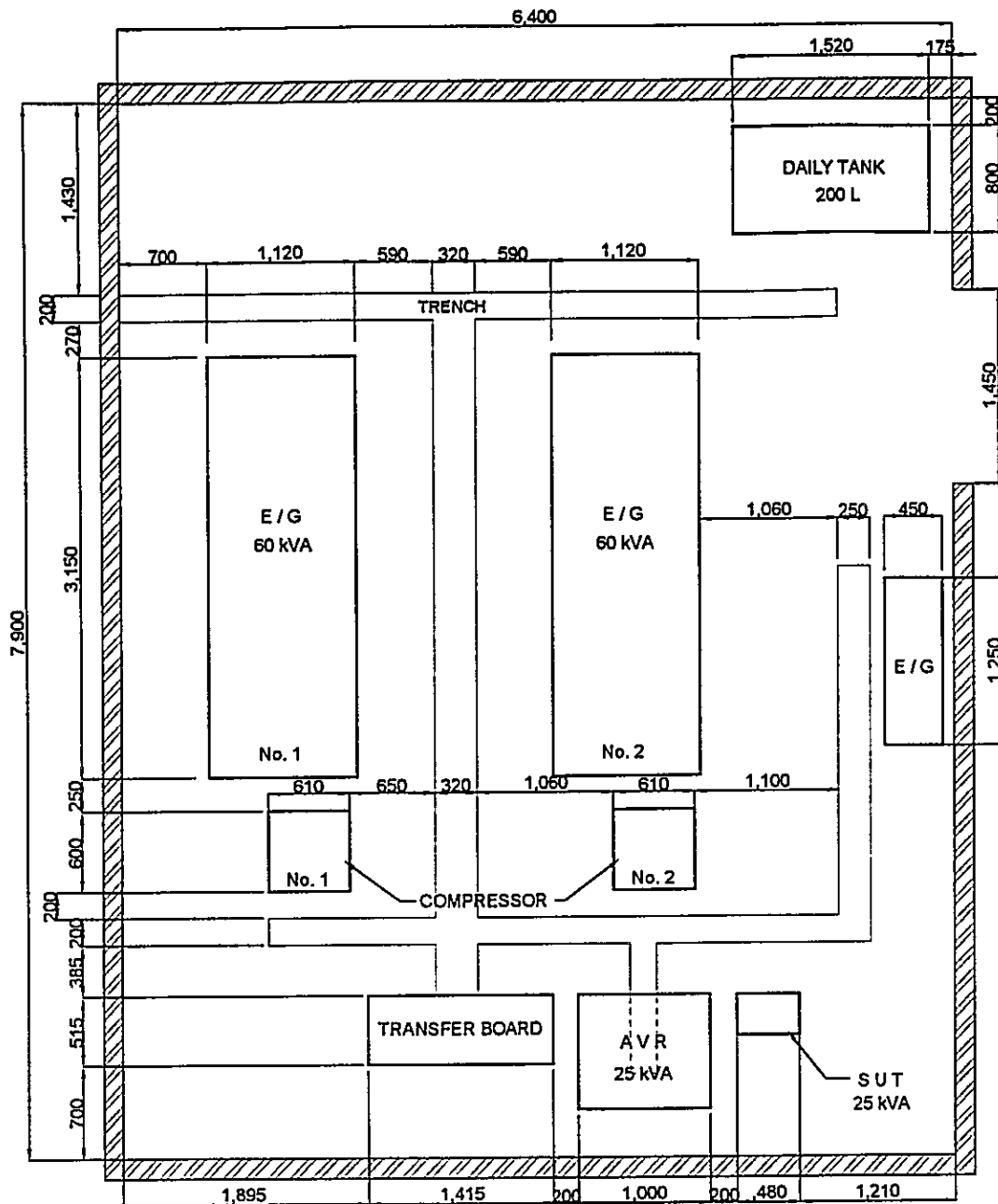


LEGEND

AEX - ANTENNA EXCHANGER
 FIX - FIX COMMUNICATION
 MRR - MULTIPLEX RADIO
 MF - MEDIUM FREQUENCY
 MUC - MATCHING UNIT CONTROL
 PDB - POWER DISTRIBUTION BOARD
 RC - REMOTE CONTROL
 TX - TRANSMITTER
 VHF - VERY HIGH FREQUENCY

DATE	June 6, 2001	DRAWING TITLE	EQUIPMENT FLOOR LAYOUT	SHEET NO.	1/1
SCALE	1 : 100	SITE NAME	SABANG		
DIMENSION	Millimeter	DRAWING NO	S_R_O_P - S_B_G - 0_0_1 - 3		
	JICA		PT. Aneka Asia Buana		

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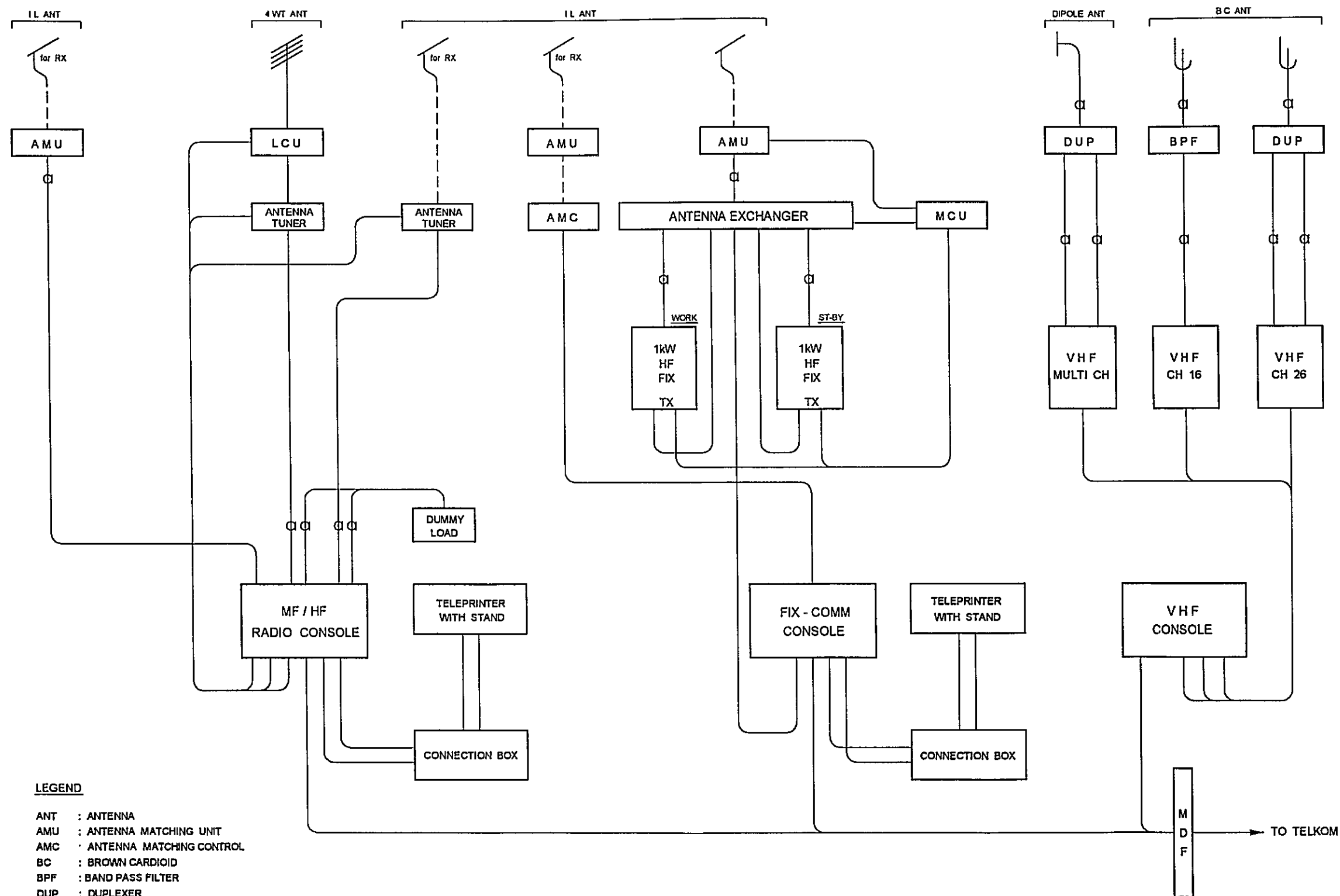
LEGEND

AVR : AUTOMATIC VOLTAGE REGULATOR
 E/G : ENGINE GENERATOR
 kVA : KILO VOLT AMPERE
 L : LITER
 SUT : STEP-UP TRANSFORMER

DATE June 6, 2001	DRAWING TITLE E/G ROOM LAYOUT	SHEET NO 1/1
SCALE 1 : 50	SITE NAME SABANG	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, B, G -, 0, 0, 1, - 4	
- PT. Aneka Asia Buana		

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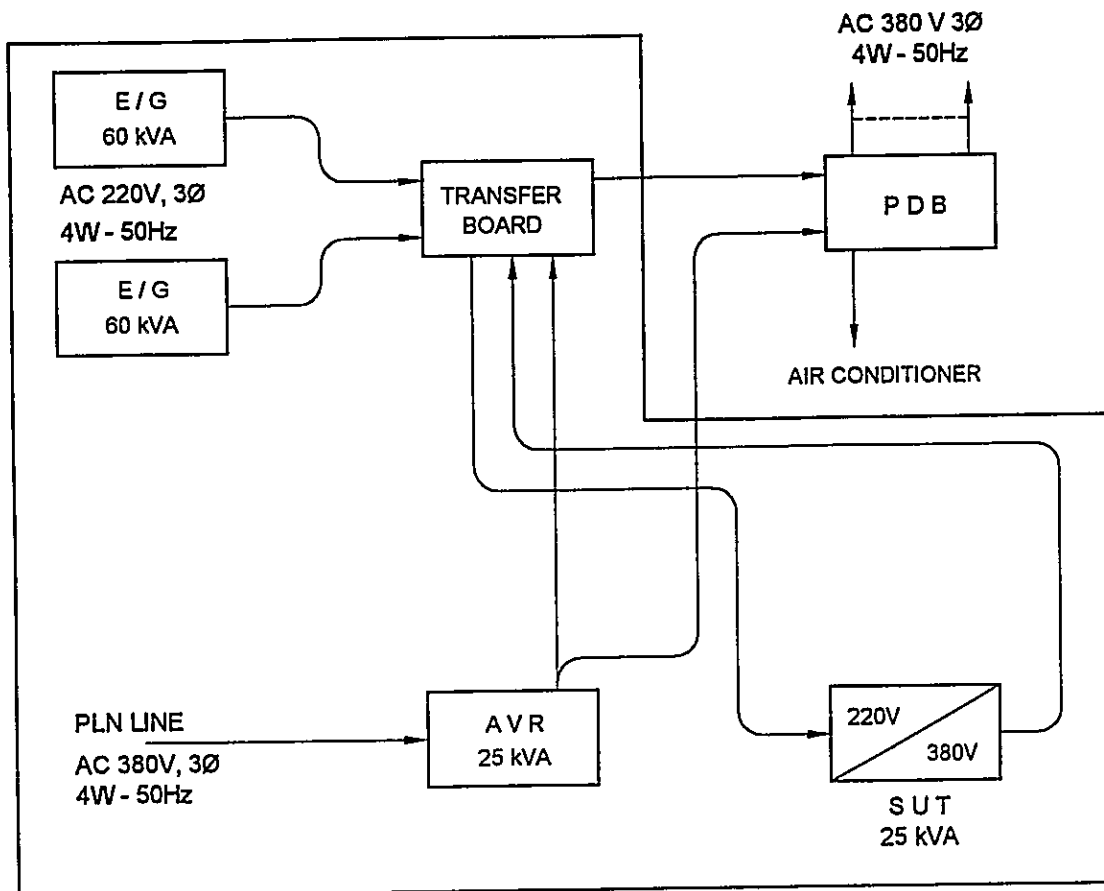
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LEGEND

ANT : ANTENNA
 AMU : ANTENNA MATCHING UNIT
 AMC : ANTENNA MATCHING CONTROL
 BC : BROWN CARDIOID
 BPF : BAND PASS FILTER
 DUP : DUPLEXER
 FIX : FIX COMMUNICATION
 HF : HIGH FREQUENCY
 IL : INVERTED L
 KW : KILO WATT
 LCU : LOADING COIL UNIT
 MF : MEDIUM FREQUENCY
 MCU : MATCHING CONTROL UNIT
 VHF : VERY HIGH FREQUENCY

DATE	JUNE 6, 2001	DRAWING TITLE	SYSTEM BLOCK DIAGRAM	SHEET NO.	1/1
SCALE	No Scale	SITE NAME	SABANG		
DIMENSION	Millimeter	DRAWING NO.	S R O P - S B G - 0 0 1 - 5		
			PT. Aneka Asia Buana		



LEGEND

AC : ALTERNATING CURRENT
 AVR : AUTOMATIC VOLTAGE REGULATOR
 E/G : ENGINE GENERATOR
 kVA : KILO VOLT AMPERE
 PDB : POWER DISTRIBUTION BOARD
 SUT : STEP UP TRANSFORMER
 V : VOLT
 W : WIRE
 Ø : PHASE

DATE	JUNE 6, 2001	DRAWING TITLE	POWER BLOCK DIAGRAM	SHEET NO	1/1
SCALE	No Scale	SITE NAME	SABANG		
DIMENSION	Millimeter	DRAWING NO.	S,R,O,P,-,S,B,G,-,0,0,1,-,6		
- PT. Aneka Asia Buana					

APPROVED BY JICA

DRAWN BY AAB

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

**4th-A Class Coast Station
Ulee Lheue
(Coast Station No. 2)**

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	ULEE LHEUE	
				CLASS	4th-A	NO. 2
1. LOCATION						
Station	Address	Tel.	Fax	Longitude	Latitude	
TX/RX	Jl. Pelabuhan Ulee Lheue No. 17	0651-41876		95° 17' 10" E	05° 33' 42" N	
2. GENERAL CONDITIONS						
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population	
By Air	to Bnd. Aceh [Taking time: 4.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	255,702	
		<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel		
		<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light			
			<input type="checkbox"/> None			
3. CONDITIONS OF STATION				Refer to attached drawing		
3.1 Site Conditions						
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system		
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No	
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna	
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/>	<input checked="" type="checkbox"/> Towers (Masts)	
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system	
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system	
Altitude	0.50 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way	
Land area	409.20 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	Two	Voltage	220 V	Good Bad		
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/>	<input type="checkbox"/> Power Supply System	
Type of roof	Asbestos	Wire	2	<input checked="" type="checkbox"/>	<input type="checkbox"/> Operations of E/G	
Type of ceiling	Asbestos	kVA	3	<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	V ± 75 %	Day tank	5 Liter	
Flooring	Ceramic	Availability of power per day	24 Hours	Main tank	k Liter	
Room Area (m ²)		Power interruption /month	5 Times	E/G Stand-by System		
Operation room	33.75	Total interpt. hours /month	20 Hours	<input checked="" type="checkbox"/>	Single System	
E / G room	5.00	Max. interpt. hours at once	12 Hours	<input type="checkbox"/>	Dual System	
Remark						

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure				TX/RX				
Restoration flow	For repairing contact technician			Chief	1			
Examples of major failure	Can not transmit and receive			Operator (skilled)	2 () ()			
Sufficiency of spares	Availability			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	3			
<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	Pre	II	Jakarta	1995	1
3 Measuring eqpt./tools	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Pre	II	Medan	1999	1
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input checked="" type="checkbox"/> Skilled	<input 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		ULEE LHEUE					
					CLASS		4th-A NO.		2			
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	620				1991				1996			
1997	415				1992				1997			
1998	381				1993				1998			
1999	325				1994				1999			
2000	237				1995				2000			
7. COMMENTS												
Suggestion												
Remarks												

INVENTORY

Site Name: Ule Lheue

ULL-002- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Year	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
	1	SSB Transceiver	IC-M-700	35774	ICOM	1992	PFKP. 1992	Repaired	Good
	2	SSB Transceiver	IC-M-700	50527	ICOM	1996	PFKP. 1996	Repaired	Good
	3	SSB Transceiver	FA-1000	245385	Furuno	1989	PFKP. 1989	Repaired	Good
1-2		VHF System							
	1	VHF Transceiver	FM-400H	245335	Furuno	1989	PFKP. 1989	Repaired	Good
	2	VHF Transceiver	IC-2000H	41741	ICOM	1996	PFKP. 1996	Repaired	Good
2		Tower & Antenna System							
2-1		Antenna System							
	1	Dipole Antenna (2)				1996			Good
	2	Dipole Antenna (2)				1976			Good
	3	VHF Antenna (1)				1996			Good
	4	VHF Antenna (1)				1987			Good
2-2		Antenna Switch							
	1	SSB Antenna Tuner	AT-120		ICOM	1996			Good
3		Power Supply System							
3-1		UPS & AVR System							
	1	Power Supply 30A	EW-300MR			1992			Good
	2	Power Supply 35A	PV-4010		RTVC	1994			Good
	3	Power Supply 30A	PS-8930		Vedio	1989			Good
	4	Power Supply 25A	Ak-3030AV		Akai	1996			Damaged
3-2		Accu Charger 40A			Yanada	1996			Good
	1	Engine Generator Generator 3KVA	TF-55R-di	705100-51111	Yanmar	1996			Good
4		Measuring Equipment							
	1	Multimeter	YX-360FRE	244805	Sanwa	1993	Routine		Damaged
5		Others							
	1	Air Conditioner 2PKP (2 Units)	RAS-13NKX		Toshiba	1996	PFKP. 1996		Good

Sabang

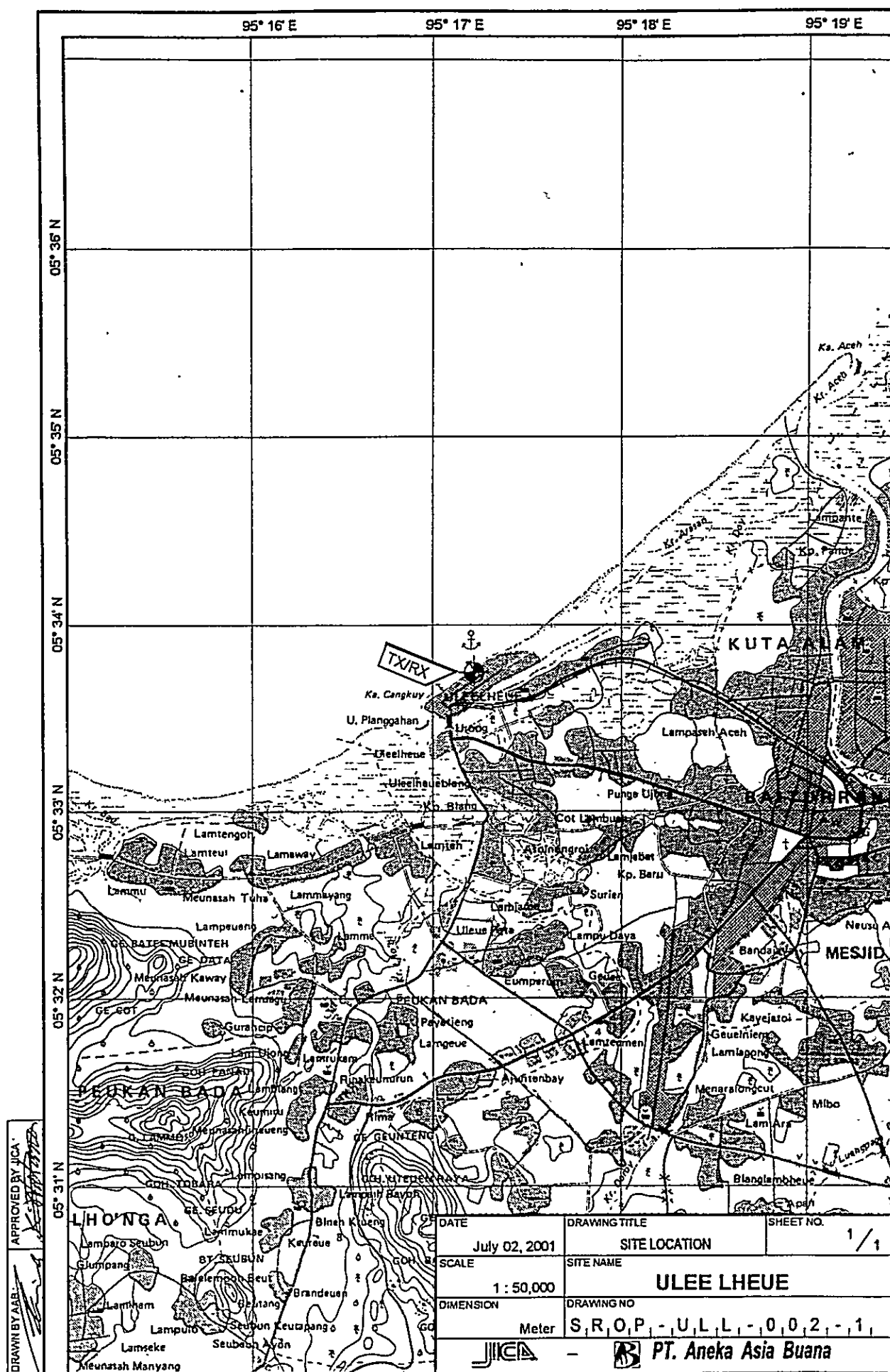
OPERATION SCHEDULE (FREQUENCIES)

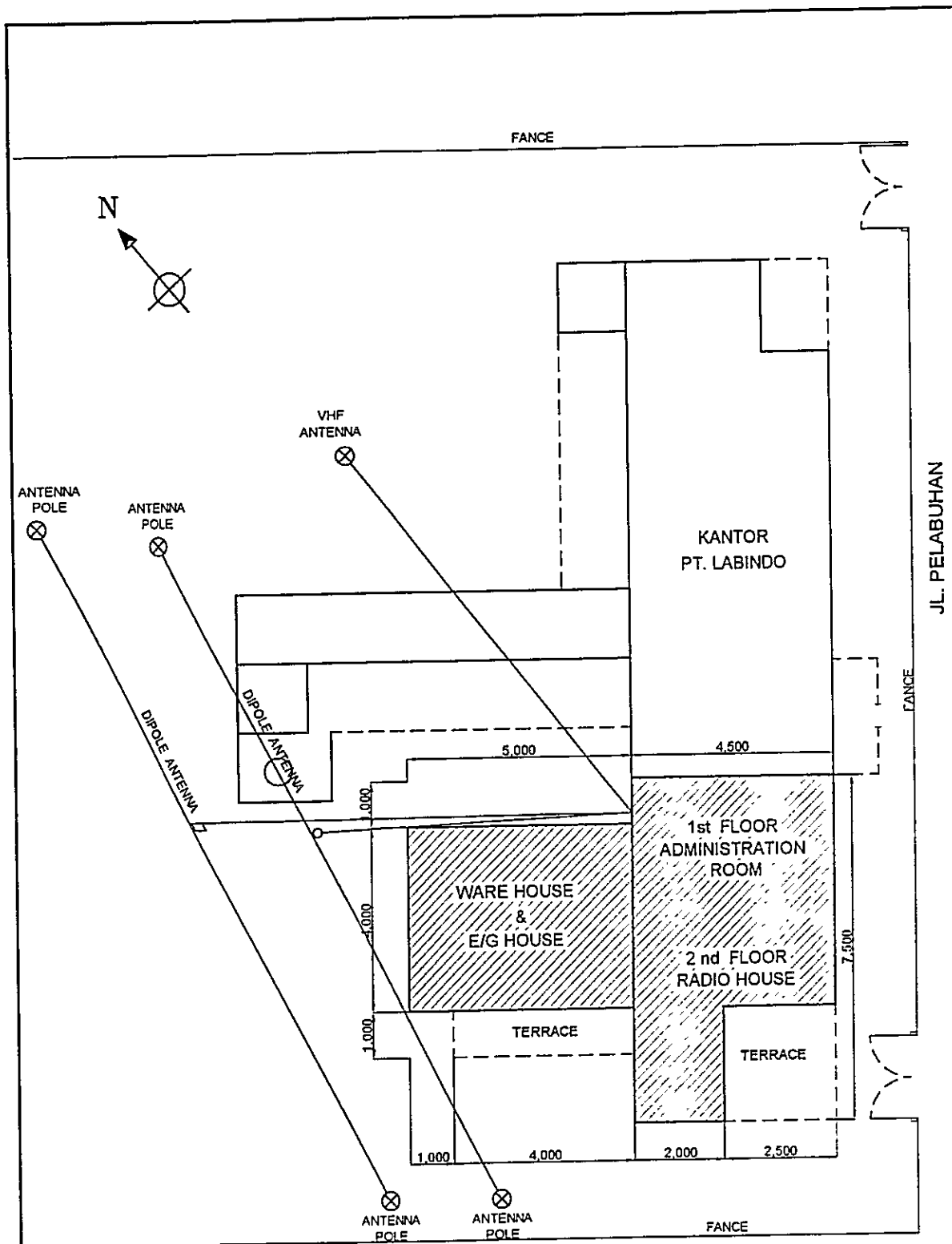
Site Name: Ulee Lheue

ULL-002-(1/1)

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

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	Mobile Service 2 182.0	J3E	100																									
2	6 215.0	J3E	100																									
3	VHF Service Channel -12	G3E	40																									
4	Channel -14	G3E	40																									
5	Channel -16	G3E	40																									
6	Channel -20	G3E	40																									
7	Channel -22	G3E	40																									
8	Fix Service 5 295.5	J3E	100																									
9	5 165.0	J3E	100																									
10																												
11																												
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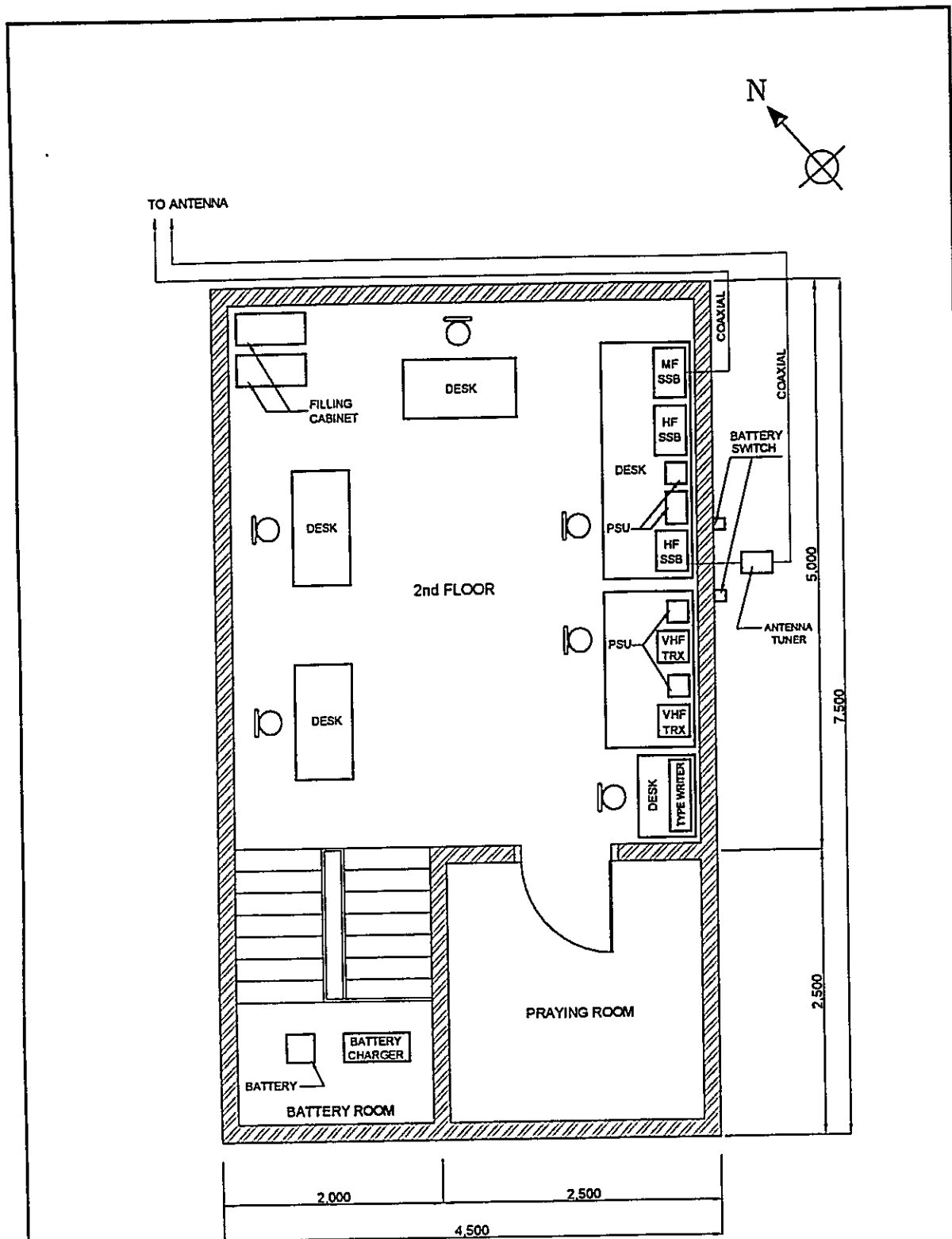


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[Signature]

LEGEND

VHF : VERY HIGH FREQUENCY


DATE	June 5, 2001	DRAWING TITLE	ANTENNA LAYOUT	SHEET NO	1 / 1
SCALE	1 : 125	SITE NAME	ULEE LHEUE		
DIMENSION	Millimeter	DRAWING NO	S R O P - U L L - 0 0 . 2 - 2		
JICA		PT. Aneka Asia Buana			

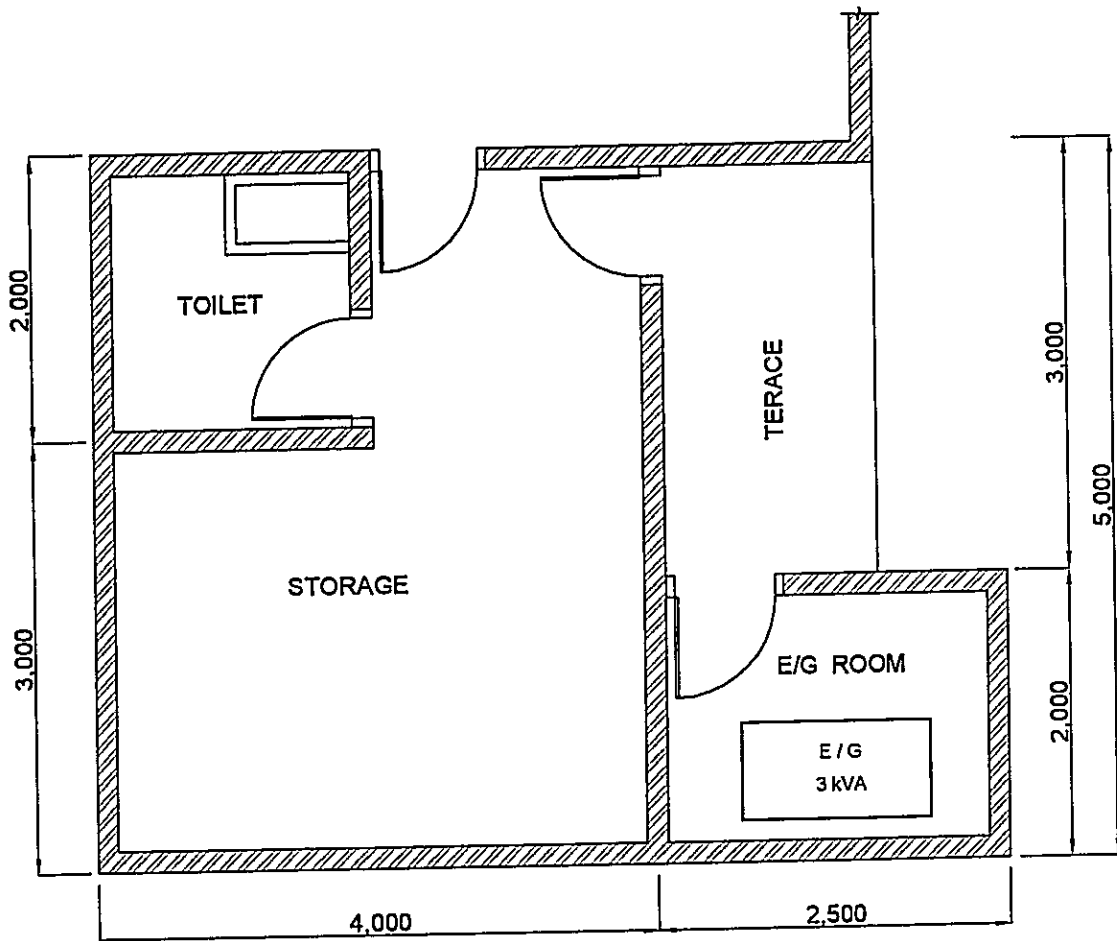
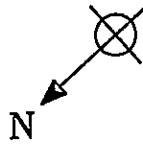


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 APPROVED BY JICA *[Signature]*

LEGEND

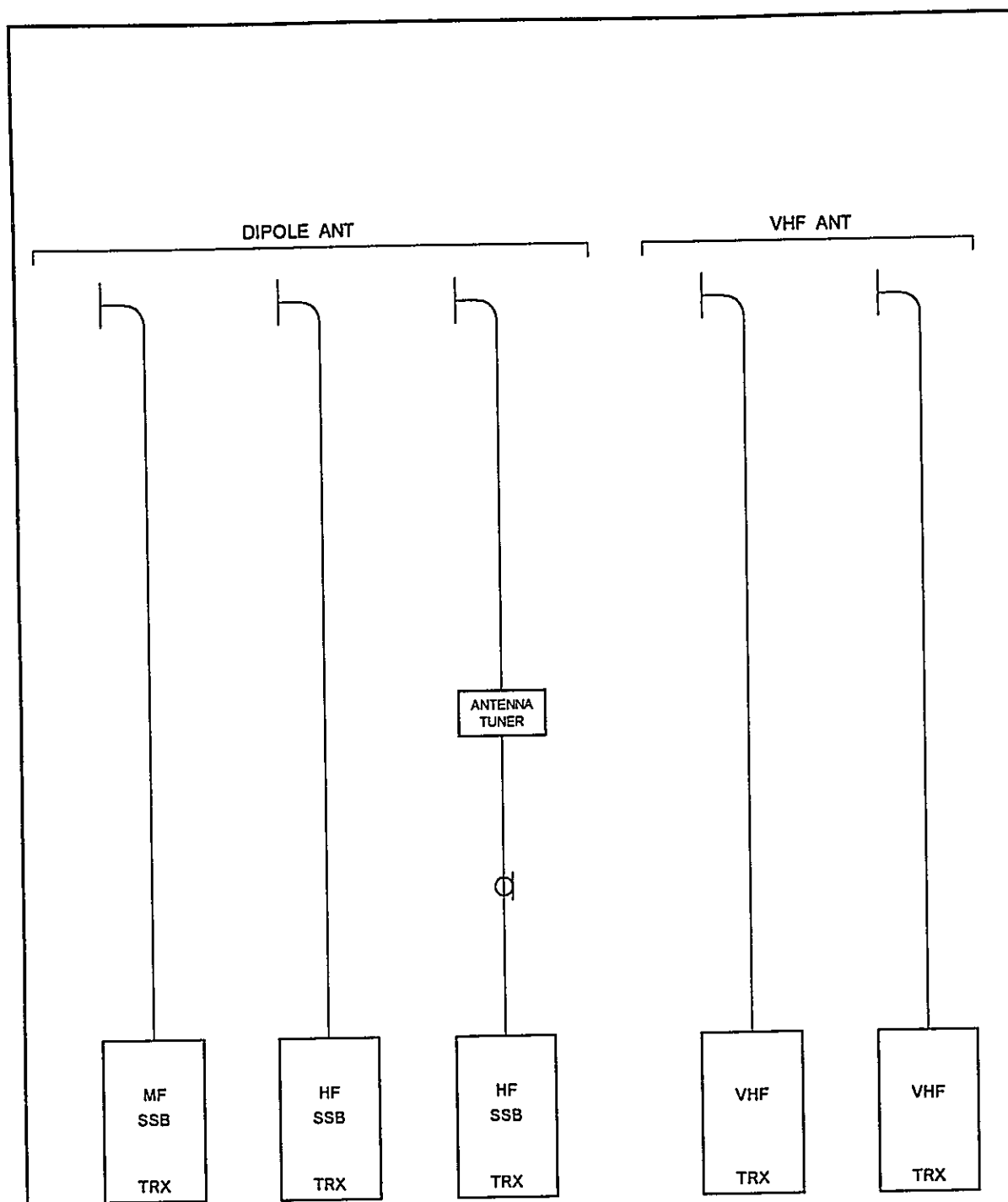
HF HIGH FREQUENCY
 MF MEDIUM FREQUENCY
 PSU POWER SUPPLY UNIT
 TRX TRASCEIVER
 VHF VERY HIGH FREQUENCY

DATE June 12, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME ULEE LHEUE	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - , U, L, L, - , 0, 0, 2, - , 3,	
JICA -  PT. Aneka Asia Buana		




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APPROVED BY JICA

DATE	JUNE 12, 2001	DRAWING TITLE	E/G ROOM LAYOUT	SHEET NO	1 / 1
SCALE	1 : 50	SITE NAME	ULEE LHEUE		
DIMENSION	Milimeter	DRAWING NO	S, R, O, P, - U, L, L, - 0, 0, 2, - 4,		
	JICA		PT. Aneka Asia Buana		

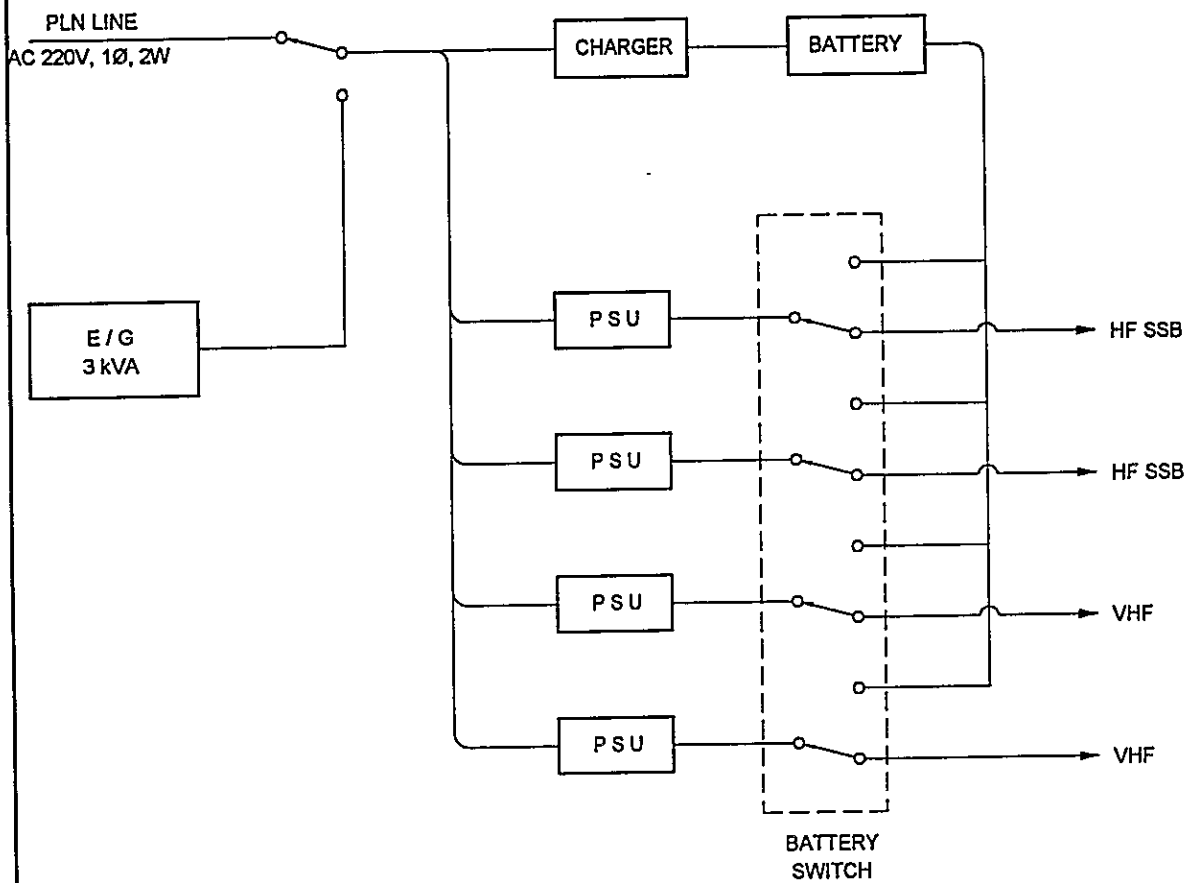


LEGEND

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

DATE June 12, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME ULEE LHEUE	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, U, L, L - , 0, 0, 2, -, 5,	
JICA -  PT. Aneka Asia Buana		

DRAWN BY AAB
 APPROVED BY JICA
 19



LEGEND

E/G : ENGINE GENERATOR
 KVA : KILO VOLT AMPERE
 HF : HIGH FREQUENCY
 PSU : POWER SUPPLY UNIT
 V : VOLT
 VHF : VERY HIGH FREQUENCY
 W : WATT / WRE
 Ø : PHASE

APPROVED BY JICA
 DRAWN BY AAB

DATE June 12, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME ULEE LHEUE	
DIMENSION Millimeter	DRAWING NO S, R, O, P, -, U, L, L, -, 0, 0, 2, -, 6	
JICA	-	PT. Aneka Asia Buana

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

4th-A Class Coast Station Meulaboh (Coast Station No. 3)

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	MEULABOH
				CLASS	4th-A NO. 3

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Chik Ditiro No. 17	21434		96° 07' 45" E	04° 08' 00" N

2. GENERAL CONDITIONS

Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Bnd. Aceh [Taking time: 2:45 hr.] <input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel		
By Car to Meulaboh [Taking time: 5:00 hr.] <input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel		
By Car to Station [Taking time: 0:30 hr.] <input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light			
	<input type="checkbox"/> None			

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil	Past disaster of site	Confirmation of existing system
<input 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 checked="" type="checkbox"/> <input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	4.00 M	Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	m ²	<input checked="" type="checkbox"/> 1 Lines	<input 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
Structure	Concrete	Phase	1
Type of roof	Zinc	Wire	2
Type of ceiling	Triplex	kVA	1
Type of wall	Brick	Quality of PLN source	
Wall finish	Mortar	Fluctuations	V ± %
Flooring	Tile	Availability of power per day	Hours
Room Area (m ²)		Power interruption /month	6 Times
Operation room	32.50	Total interpt. hours /month	2 Hours
E / G room		Max. interpt. hours at once	8 Hours
Remark			

4. OPERATION AND MAINTENANCE

5. PERSONNEL FORMATIONS

Actions taken in equipment failure				TX/RX				
Restoration flow	Send to Disnav Sabang			Chief	1			
Examples of major failure	Replacement of the power/by aging			Operator (skilled)	()		()	
Sufficiency of spares	Not available			Technician (skilled)	()		()	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input type="checkbox"/>	<input checked="" type="checkbox"/> External noises	Total 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		MEULABOH				
						CLASS		4th-A		NO.	3	
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			23
7. COMMENTS												
Suggestion	Necessary equipment up-grading as same as 4th-A class Coast Station											
	Necessary new qualified Operator and technician											
	We need available budget to be managed at site for urgently matters, necessary owned office building and official house for operator											
Remarks												

INVENTORY

Site Name: Meulaboh

MLB-003- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver	IC-M700	5351	ICOM	1993	-	-	70% Good
2		Tower & Antenna System							
2-1		Tower							
1		21 mH Antenna Tower (2)				1993	-	-	Good
2-2		Antenna Matching Unit				1993	-	-	Good
1		Transformer Ballans				1993	-	-	Good
2		Antenna Tuner	AT-120		ICOM				
3		Power Supply Equipment							
3-1		UPS & AVR System							
1		Power Supply	EW-3010MR			1993	-	-	Good
2		Accu Charger	NS			1993	-	-	Damaged
3		AVR	NCE-500			1996	-	-	Good
4		Measuring Equipment							
1		Avo Meter	Yx 360 TRE	292777	Sanwa	1993	-	-	Good
5		Others							
1		Fan	DFN-601			1996	-	-	Good

STATUS OF TROUBLES

SITE NAME : MEULABOH

MLB-3-(1/1)

Item / Equipment	SSB Icom / ICM.700				
Manufacturer	Icom				
Manufacturer in year	1993				
Defective panel / unit	-				
Details of Trouble Status	Cause doe to:	Urgency of Repair			Repairing to be:
	<input checked="" type="checkbox"/> Aging				<input checked="" type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning				<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion				<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares				<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others				
<u>General Comment for Maintenance:</u> Send to Sub District Sabang to be repaired					

OPERATION SCHEDULE (FREQUENCIES)

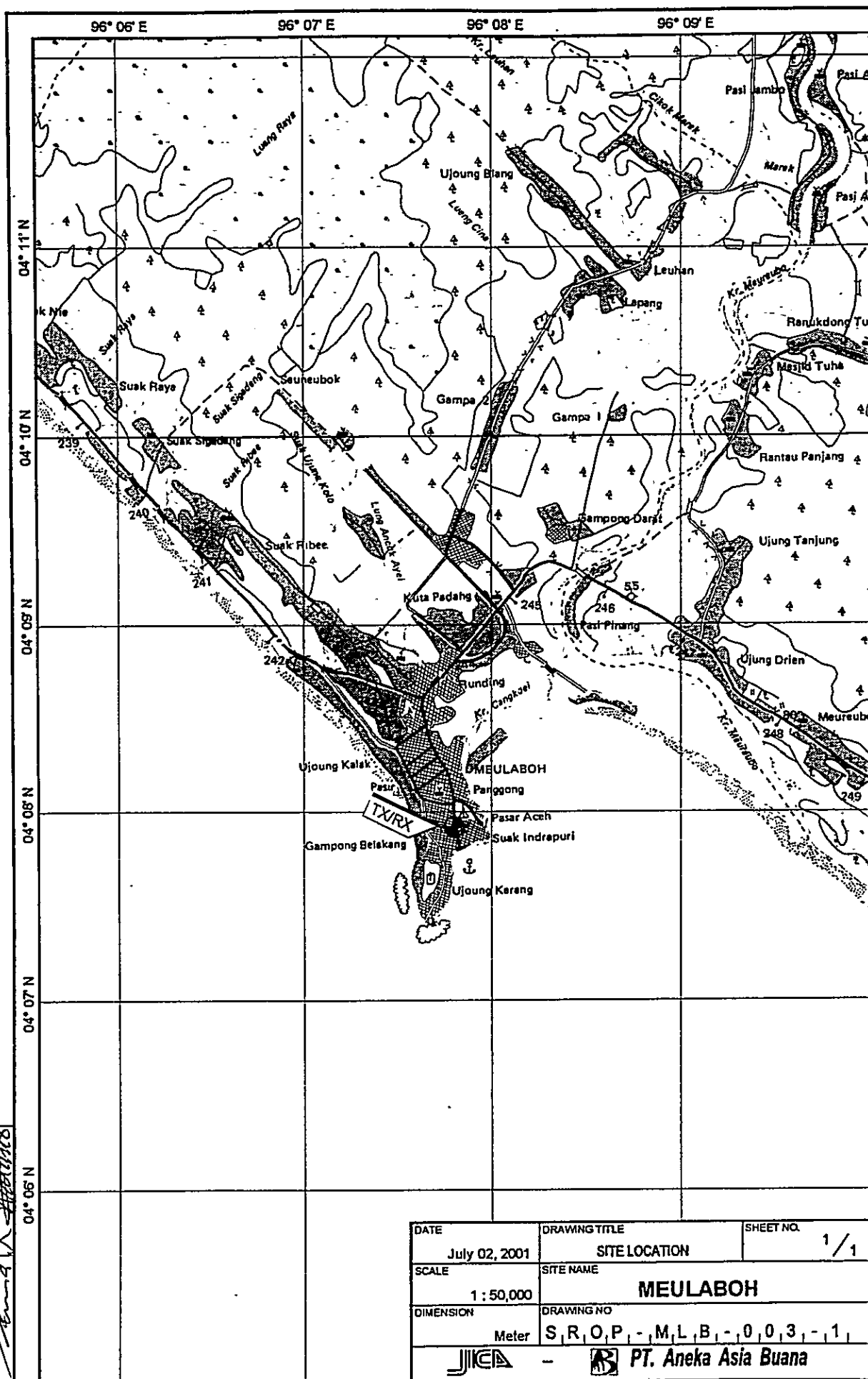
Site Name: Meulaboh

MLB-003-(1/1)

Call Sign : Mobile Service : PKA.25

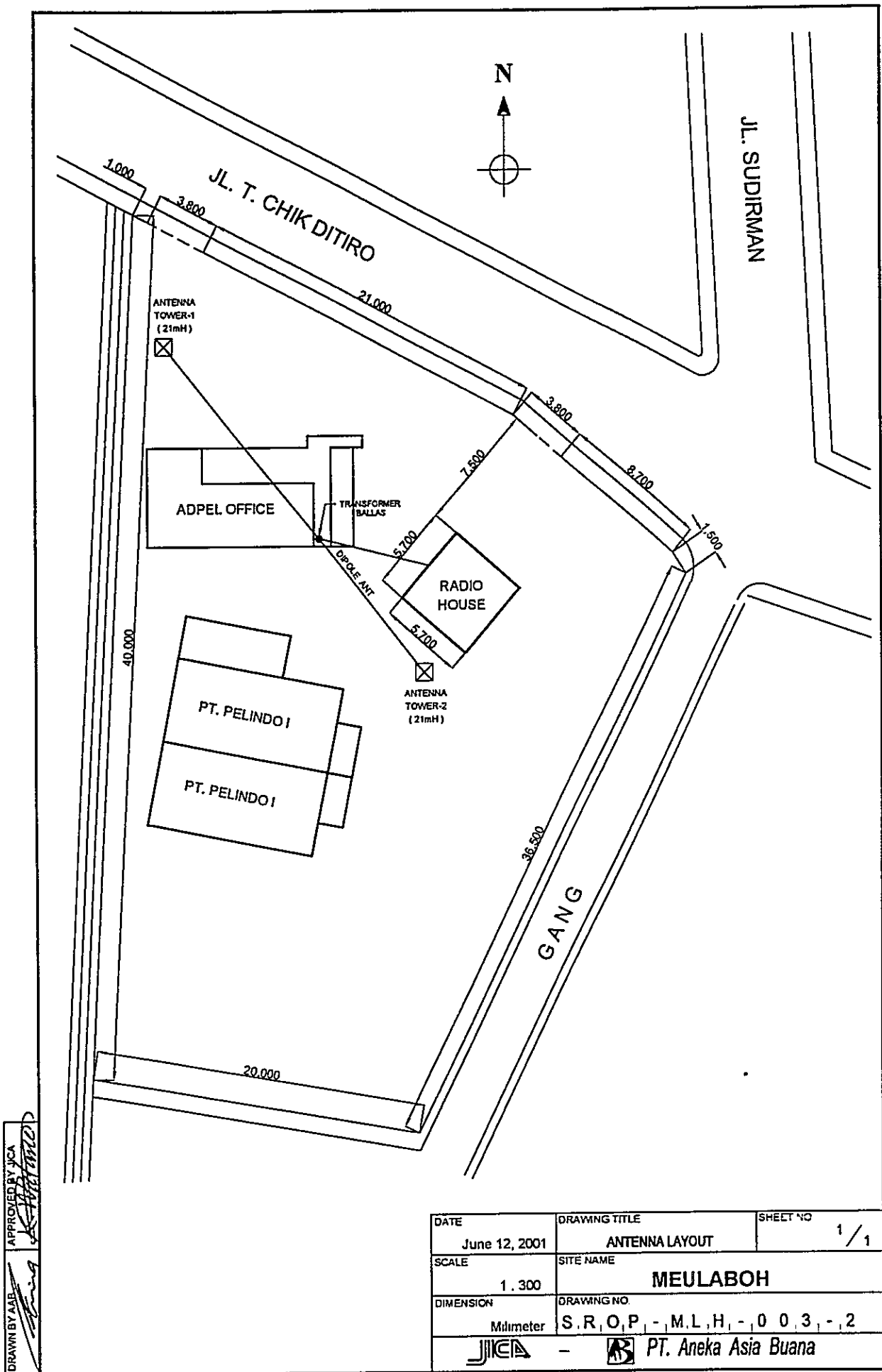
Fix Service :

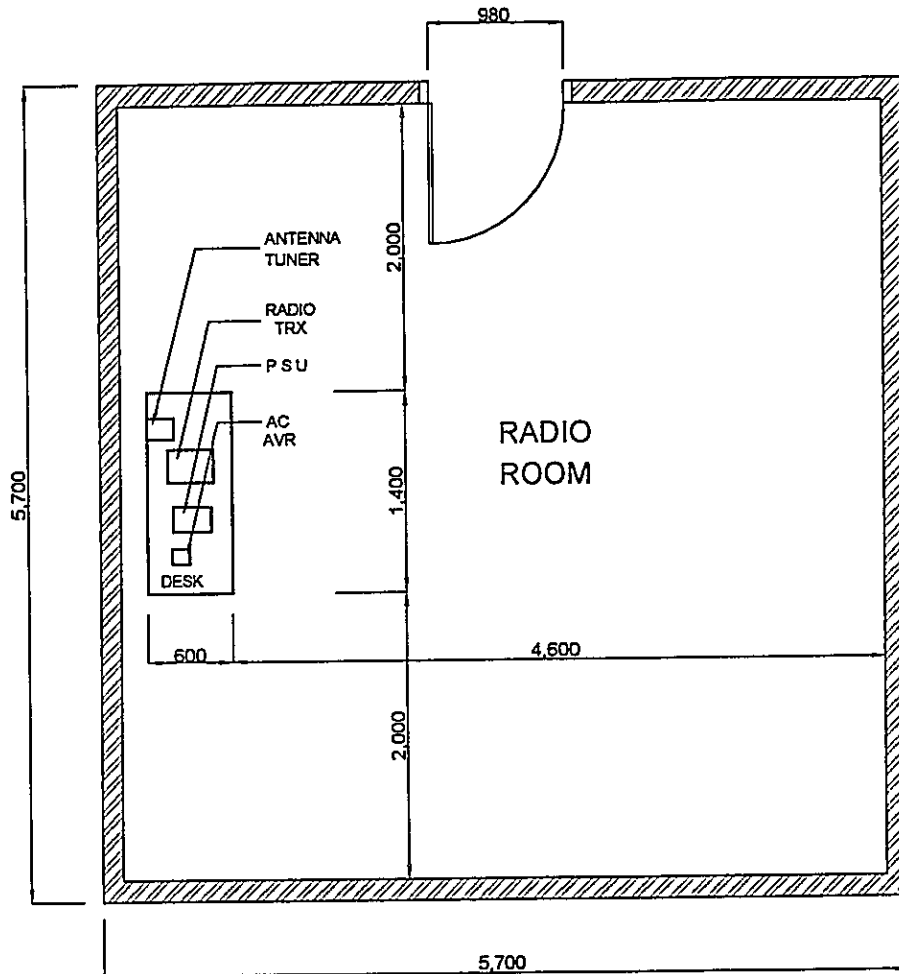
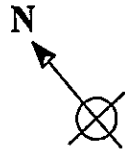
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	Mobile Service 2 182,0	J3E	100																									
2	6 215,0	J3E	100																									
3	Fix Service 5 295,5	J3E	150																									
4	5 165,0	J3E	150																									
5																												
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23																												
24																												
25																												



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


DATE	DRAWING TITLE	SHEET NO.
July 02, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	MEULABOH	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P - M, L, B - 0, 0, 3 - 1	
- PT. Aneka Asia Buana		





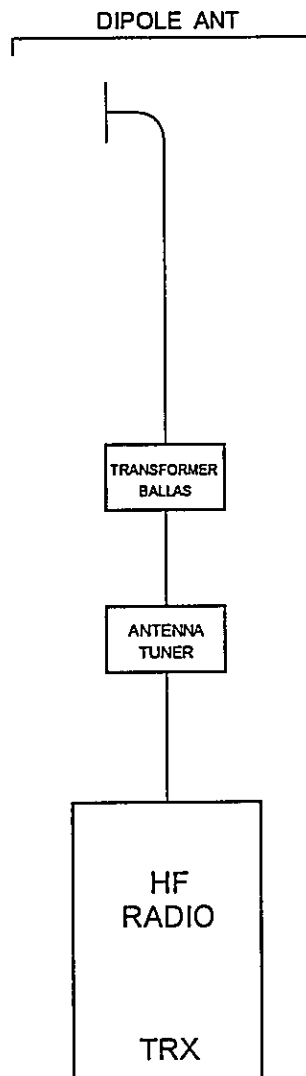


LEGEND

AC ALTERNATING CURRENT
 AVR AUTOMATIC VOLTAGE REGULATOR
 PSU POWER SUPPLY UNIT
 TRX TRANSCEIVER


DATE June 12, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME MEULABOH	
DIMENSION Millimeter	DRAWING NO S, R, O, P, -, M, L, H, -, 0, 0, 3 - 3,	
JICA -  PT. Aneka Asia Buana		

APPROVED BY JICA

 DRAWN BY AAB


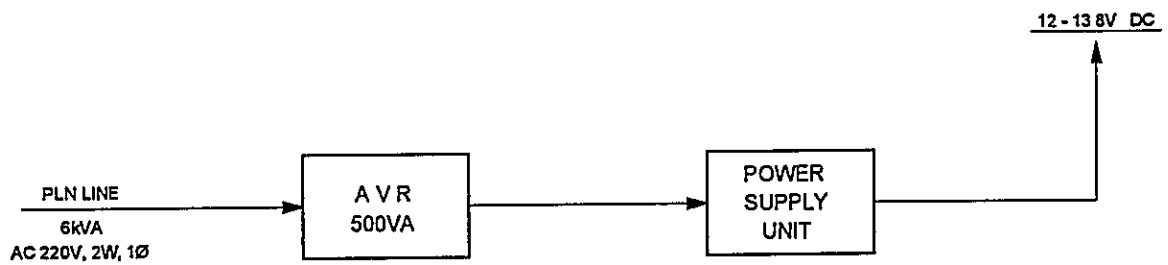


LEGEND

ANT : ANTENNA
 HF : HIGH FREQUENCY
 TRX : TRANSCEIVER


DATE June 12, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME MEULABOH	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, M, L, B, -, 0, 0, 3, -, 5,	
JICA -  PT. Aneka Asia Buana		

DRAWN BY AAB
 APPROVED BY JICA
[Signature]



LEGEND

AVR : AUTOMATIC VOLTAGE REGULATOR
 kVA : KILO VOLT AMPERE
 V : VOLT
 W : WIRE
 Ø : PHASE

DATE June 12, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME MEULABOH	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - , M, L, H, - , 0, 0, 3, - , 6, 1	
JICA -  PT. Aneka Asia Buana		

DRAWN BY AAB
 APPROVED BY JCA

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

4th-A Class Coast Station Tapak Tuan (Coast Station No. 4)

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 CLASS		TAPAK TUAN	
					4th-A		NO	4
1. LOCATION								
Station	Address			Tel.	Fax	Longitude		Latitude
TX/RX	Jl. Merdeka No. 41			21337		97° 10' 42" E		03° 15' 15" N
2. GENERAL CONDITIONS								
Moving from Jakarta				Site Access from Port	Road Traffic	Accommodation	Population	
By Air	to Medan	[Taking time: 2.00 hr.]		<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel		
By Car	to Tpk. Tuan	[Taking time: 8.00 hr.]		<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel		
By Car	to Location	[Taking time: 0.30 hr.]		<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light			
				<input type="checkbox"/> None				
3. CONDITIONS OF STATION						Refer to attached drawing		
3.1 Site Conditions								
Topography		Nature of Soil		Past disaster of site		Confirmation of existing system		
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes		No		
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> Antenna				
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)				
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> Grounding system				
<input type="checkbox"/> Valley	<input checked="" type="checkbox"/> Sandy			<input checked="" type="checkbox"/> Lightning system				
Altitude	M		Telephone Lines		<input checked="" type="checkbox"/> Feeder Cable Way			
Land area	1,000 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	V	Good Bad			
Structure	Concrete	Phase	1		<input checked="" type="checkbox"/> Power Supply System			
Type of roof	Zinc	Wire	2		<input type="checkbox"/> Operations of E/G			
Type of ceiling	Triplex	kVA	3		<input type="checkbox"/> Operations of AVR			
Type of wall	Brick	Quality of PLN source			Capacity of fuel for engine			
Wall finish	Mortar	Fluctuations	V ± %		Day tank	Liter		
Flooring	Mortar	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	27.00	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								

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS			
Actions taken in equipment failure				TX/RX			
Restoration flow	Repaired in Sabang District Navigation			Chief	1		
Examples of major failure	Aging			Operator (skilled)	2 (1)	()	
Sufficiency of spares	Un-available			Technician (skilled)	()	()	
Records of damages		Environmental Conditions		Administrator			
<input type="checkbox"/> Heavy rainfall			Good Bad				
<input type="checkbox"/> Storm			<input checked="" type="checkbox"/> External noises	Total	3		
<input type="checkbox"/> Lightning			<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
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough				Trainee
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		TAPAK TUAN					
					CLASS		4th-A NO.		4			
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	Necessary additional sufficient Radio equipment, availability of Genset to support the operational, even if the Power/PLN is off.											
	Necessary additional technician for maintenance the equipment.											
	Availability of budget in the location, for urgent matter											
Remarks												

INVENTORY

Site Name: Tapak Tuan

TPT-004- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter							
1		SSB Transceiver		4001	AFC	1976			Damaged
2		SSB Transceiver		5325	ICOM	1993			Good
1-2		VHF System							
1		VHF Transceiver		30-37	MARINE MATE	1976			Damaged
2		Tower & Antenna System							
2-1		Antenna System							
1		21mH Antenna Tower (2)				1998	PFKP		Good
2-2		Antenna System							
1		Dipole Antenna (2)			JRC	1990			Good
2-3		Antenna Switch							
1		Antenna Tuner	AT-120		ICOM	1993			Good
3		Power Supply Equipment							
3-1		UPS & AVR							
1		DC Power Supply	EW-3010MR		EIWA	1993			Good
2		DC Power Supply							Damaged
3		Accu Charger 220V/24V				1990			Damaged
4		Accu Charger 220V/5x24V		CR.204	Vendrel Hayasi	1993			Good
4		Others							
1		Fan			Meiki	1993			Good

Sabang

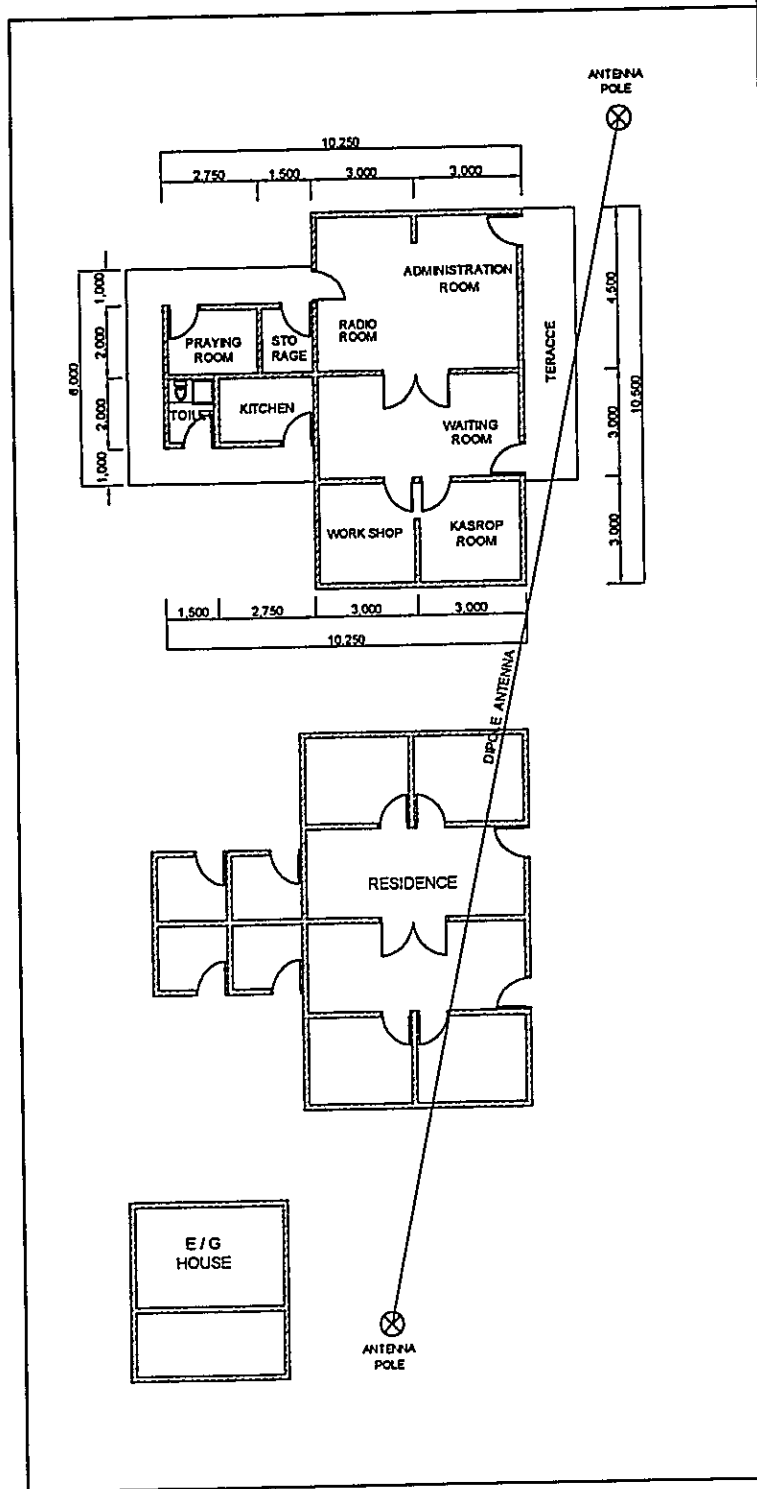
OPERATION SCHEDULE (FREQUENCIES)

Call Sign : Mobile Service : PKA.28
Fix Service :

Site Name: Tapak Tuan

TPT-004-(1/1)

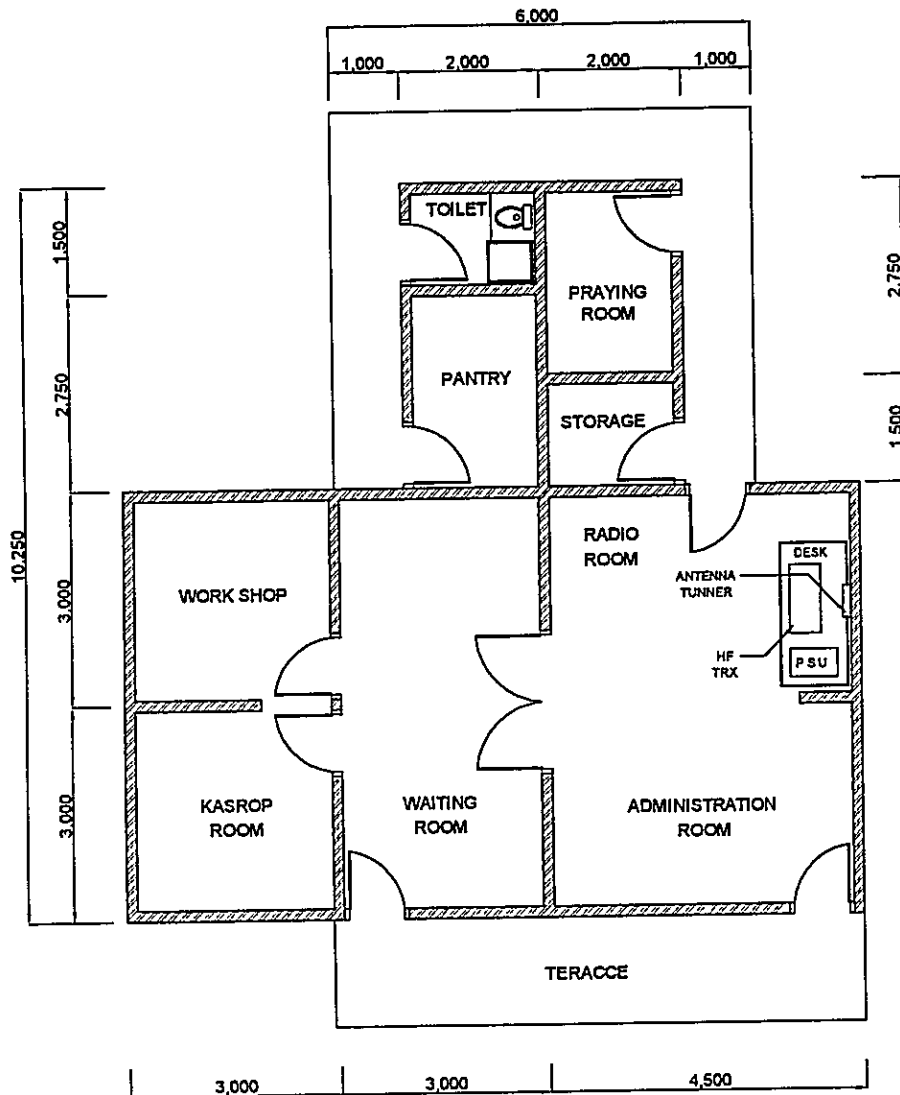
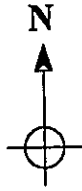
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mobile Service																												
1	2 182,0	J3E	100																									
2	2 690,0	J3E	100																									
3	6 215,0	J3E	100																									
4	6 507,0	J3E	100																									
VHF Service																												
5	Channel-16	G3E	50																									
6	Channel-10	G3E	50																									
7	Channel-17	G3E	50																									
Fix Service																												
8	5 295,5	J3E	100																									
9	5 665,0	J3E	100																									
10																												
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22																												
23																												



ROAD

DRAWN BY AAB
APPROVED BY KCA

DATE	June 12, 2001	DRAWING TITLE	ANTENNA LAYOUT	SHEET NO	1 / 1
SCALE	1 : 200	SITE NAME	TAPAK TUAN		
DIMENSION	Millimeter	DRAWING NO	S, R, O, P, - , T, P, T, - , 0, 0, 4, - , 2, .		
JIKIA - PT. Aneka Asia Buana					

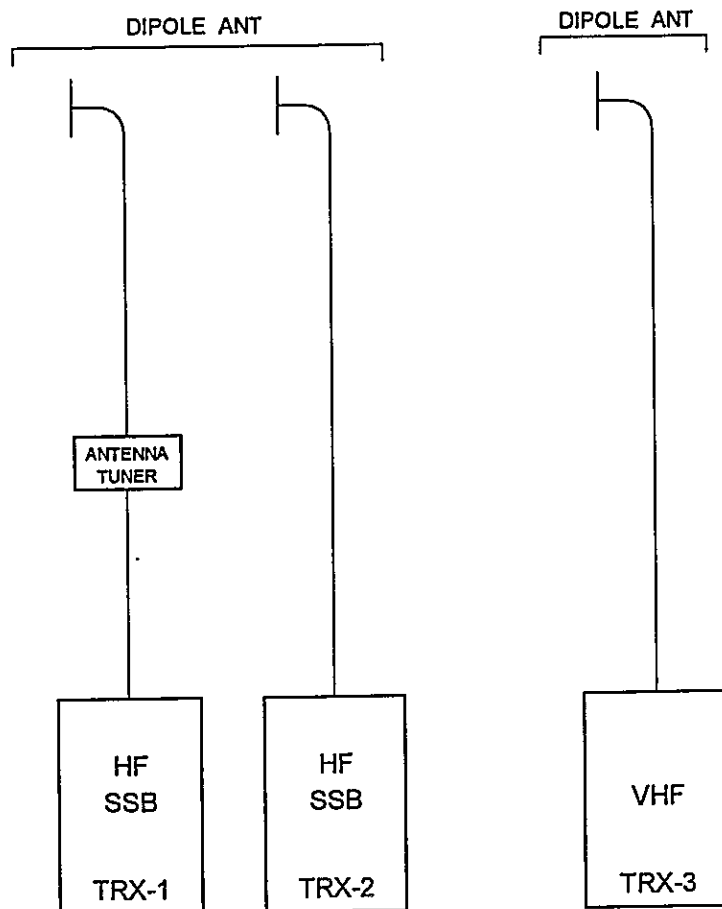


LEGEND

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


DATE	DRAWING TITLE	SHEET NO
June 12, 2001	EQUIPMENT FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 100	TAPAK TUAN	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - , T, P, T, - , 0, 0, 4, - , 3,	
JICA	-	PT. Aneka Asia Buana

APPROVED BY JICA
DRAWN BY AAB



LEGEND

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

DATE June 12, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME TAPAK TUAN	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - T, P, T, - 0, 0, 4, - 5,	
JICA -  PT. Aneka Asia Buana		

APPROVED BY JICA.

DRAWN BY AAB

PLN LINE
AC 220V, 1Ø, 2W

POWER SUPPLY UNIT
12 V / 30 AMP
12 V / 50 AMP
12 V / 200 AMP

12V DC

BATTERY
CHARGER

24V DC

LEGEND

AMP : AMPLIFIER
V . VOLT

DRAWN BY AAG
APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
June 12, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	TAPAK TUAN	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, -, T, P, T, -, 0, 0, 4, -, 6,	
JICA	-	PT. Aneka Asia Buana

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

4th-A Class Coast Station Sinabang (Coast Station No. 5)

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	SINABANG		
				CLASS	4th-A	NO.	5

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Samudra No. 1	650-21038		96° 22' 40" E	02° 28' 36" N

2. GENERAL CONDITIONS

Moving from Jakarta			Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan	[Taking time: 2.00 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	50,000
By Air	to Sinabang	[Taking time: 1.30 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
By Car	to Location	[Taking time: 0.30 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
				<input type="checkbox"/> None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input 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"/> Swampy/Sandy	<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	m ²		<input 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	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	4		<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	V ± %		Day tank	Liter
Flooring	Tile	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	16.50	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						

4. OPERATION AND MAINTENANCE

5. PERSONNEL FORMATIONS

Actions taken in equipment failure				TX/RX				
Restoration flow	Send to Sub District Navigation Sabang			Chief	1			
Examples of major failure	Aging, corrosion, PLN/Power suddenly off			Operator (skilled)	() ()			
Sufficiency of spares	Un-available			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		SINABANG					
					CLASS		4th-A NO.		5			
6. STATISTICAL COMMUNICATION TRAFFIC DATA												
Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
7. COMMENTS												
Suggestion		Request for owned Office Building and official house for operational, budgeting by Project or other budget In order to support operational, necessary additional of new equipment, and additional operator Availability budget for urgent matter										
Remarks												

INVENTORY

Site Name: Sinabang

SNB-005- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver	IC-M700		ICOM	1998			Good
2		Tower & Antenna System							
2-1		Tower							
1		21mH Antenna Tower (2)				1998			Good
2-2		Antenna System							
1		Antenna Element				1998			Good
2-3		Antenna Switch							
1		Antenna Tuner	AT-120		ICOM	1998			Good
3		Power Supply Equipment							
3-1		UPS & AVR							
1		Power Supply			EIWA	1998			Good
2		AVR				1998			Good
3		Accumulator 12V/200AH			NS	1993			Damaged
4		Accu Charger			Makita	1993			Damaged
4		Others							
1		Box Fan 12"				1998			Good
2		Radio Equipment Desk				1998			Good

Sabang

OPERATION SCHEDULE (FREQUENCIES)

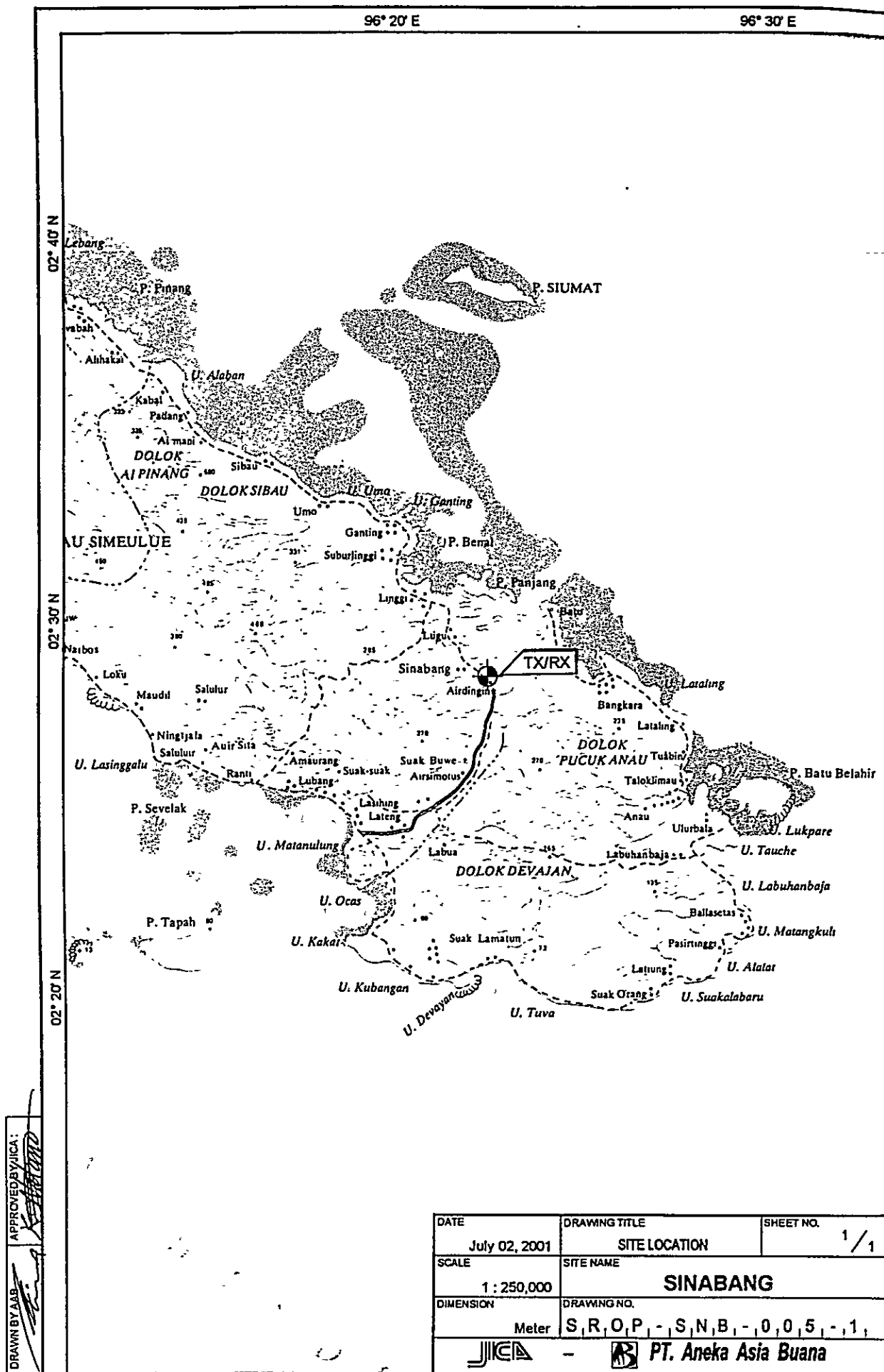
Site Name: Sinabang

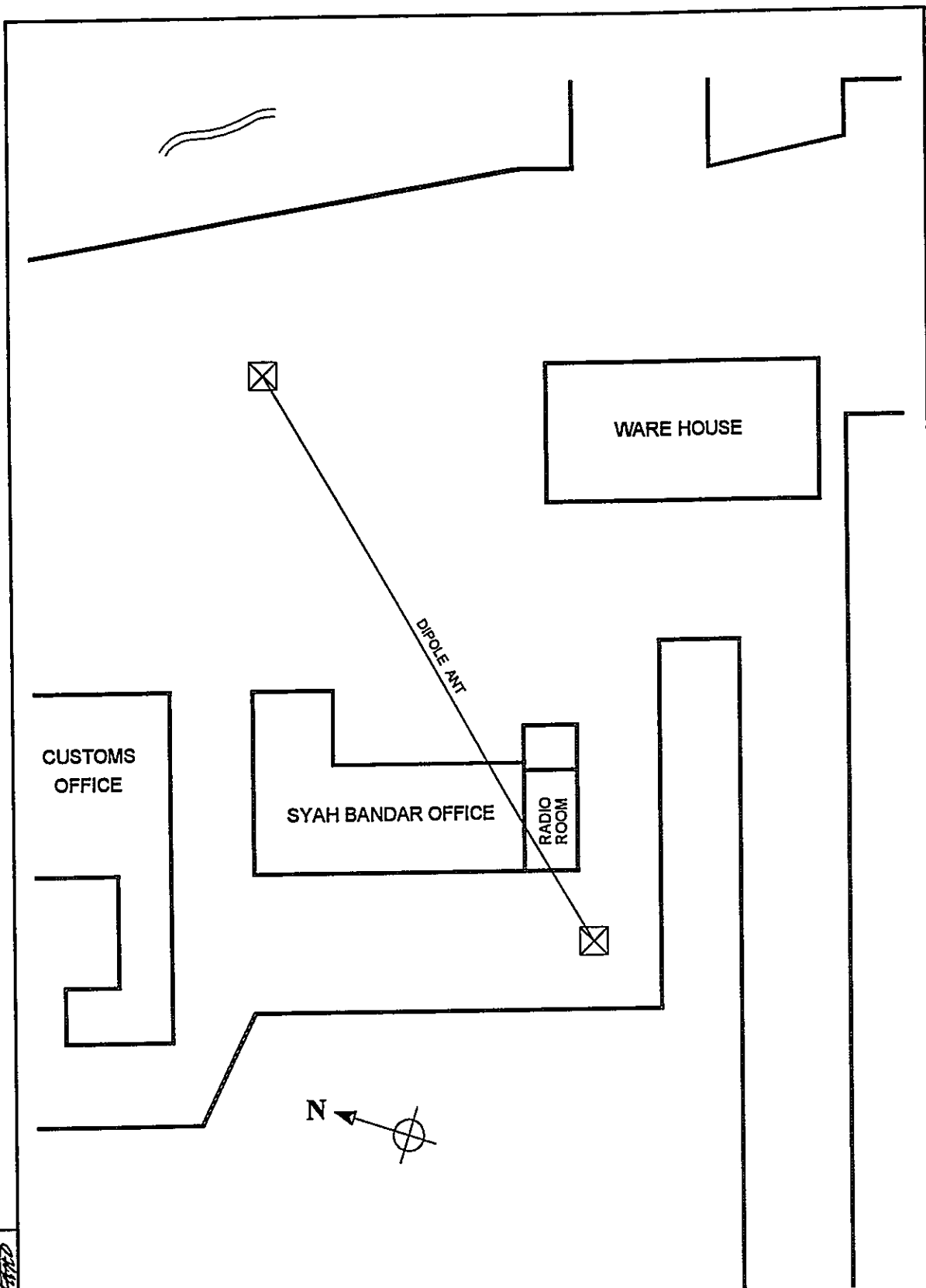
SNB-005-(1/1)

Call Sign : Mobile Service : PKA.26

Fix Service :


	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	Mobile Service																											
1	2.182,0	J3E	100																									
2	2.690,0	J3E	100																									
3	6.215,0	J3E	100																									
4	6.510,0	J3E	100																									
	VHF Service																											
5	Channel-16	G3E	50																									
6	Channel-10	G3E	50																									
7	Channel-12	G3E	50																									
8	Channel-14	G3E	50																									
9	Channel-18	G3E	50																									
	Fix Service																											
10	5.295,5	J3E	100																									
11	5.165,0	J3E	100																									
12																												
13																												
14																												
15																												
16																												
17																												
18																												
19																												
20																												
21																												
22																												
23																												



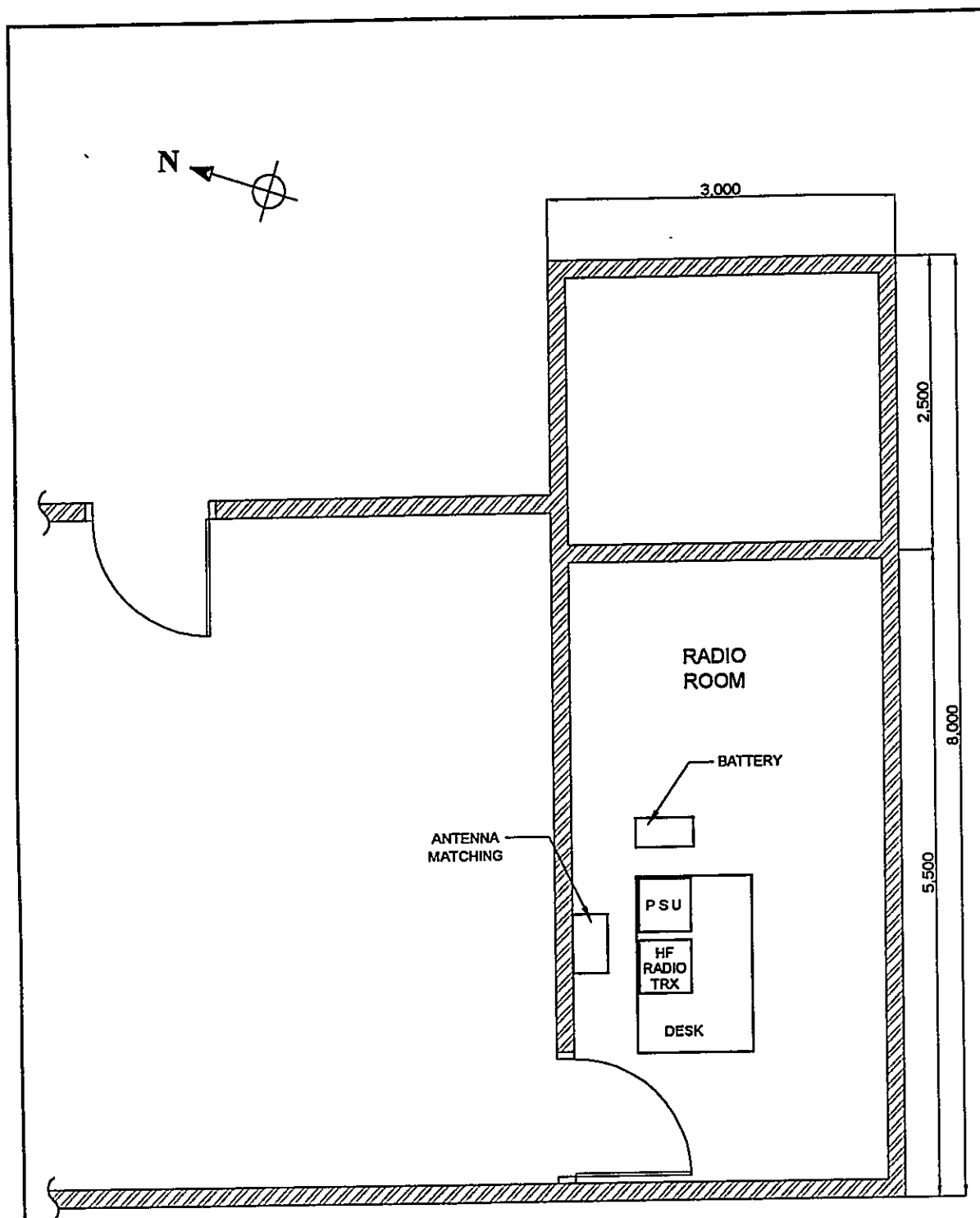


LEGEND

ANT : ANTENNA

DATE June 12, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO 1 / 1
SCALE 1 : 300	SITE NAME SINABANG	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - T, P, T - 0, 0, 5 - 2,	
JICA -  PT. Arieika Asia Buana		


DRAWN BY: 
 APPROVED BY JICA: 

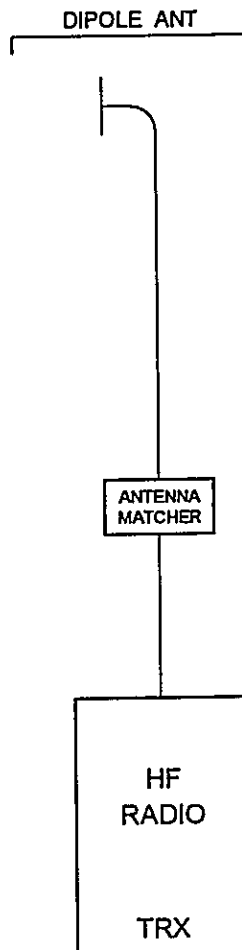


APPROVED BY JICA
 DRAWN BY AAB

LEGEND

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


DATE June 12, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME SINABANG	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - , T, P, T, - , 0, 0, 5, - , 3,	
JICA -  PT. Aneka Asia Buana		



LEGEND

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

APPROVED BY JICA:
 DRAWN BY JICA:

DATE June 12, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME SINABANG	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, S, N, B, -, 0, 0, 5, -, 5,	
JICA -  PT. Aneka Asia Buana		

PLN LINE
4kVA
AC 220V, 2W, 1Ø

AUTOMATIC
VOLTAGE
REGULATOR
0.5kVA

POWER
SUPPLY
UNIT

TO RADIO
EQUIPMENT

APPROVED BY JICA
DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO.
June 12, 2001	POWER BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	SINABANG	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, -, S, N, B, -, 0, 0, 5, -, 6,	
JICA - PT. Aneka Asia Buana		

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

4th-B Class Coast Station Sigli (Coast Station No. 6)

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	SIGLI
				CLASS	4th-B NO. 6

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				95° 57' 35" E	5° 23' 10" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Siabang [Taking time: 4:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Location [Taking time: 4:00 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 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	4.5	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		Building, equipment belong to Kanpel, and operated by Kanpel						

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	Total			
<input type="checkbox"/> Lightning		<input type="checkbox"/>	<input checked="" type="checkbox"/> Air pollution				
<input type="checkbox"/> Other calamity							
Institutional and Human Statuses				Training Record			
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient	Course	Class	Location	Period
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough				Trainee
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		SIGLI					
					CLASS		4th-B		NO.	6		
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: Sigli

SGL-006- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver	IC-M710		ICOM				
2		Tower & Antenna System							
2-1		Tower							
2-2		Antenna System							
2-3		Antenna Switch							
3		Power Supply Equipment							
3-1		UPS & AVR			VEDIO				
1		Power Supply							
4		Others							

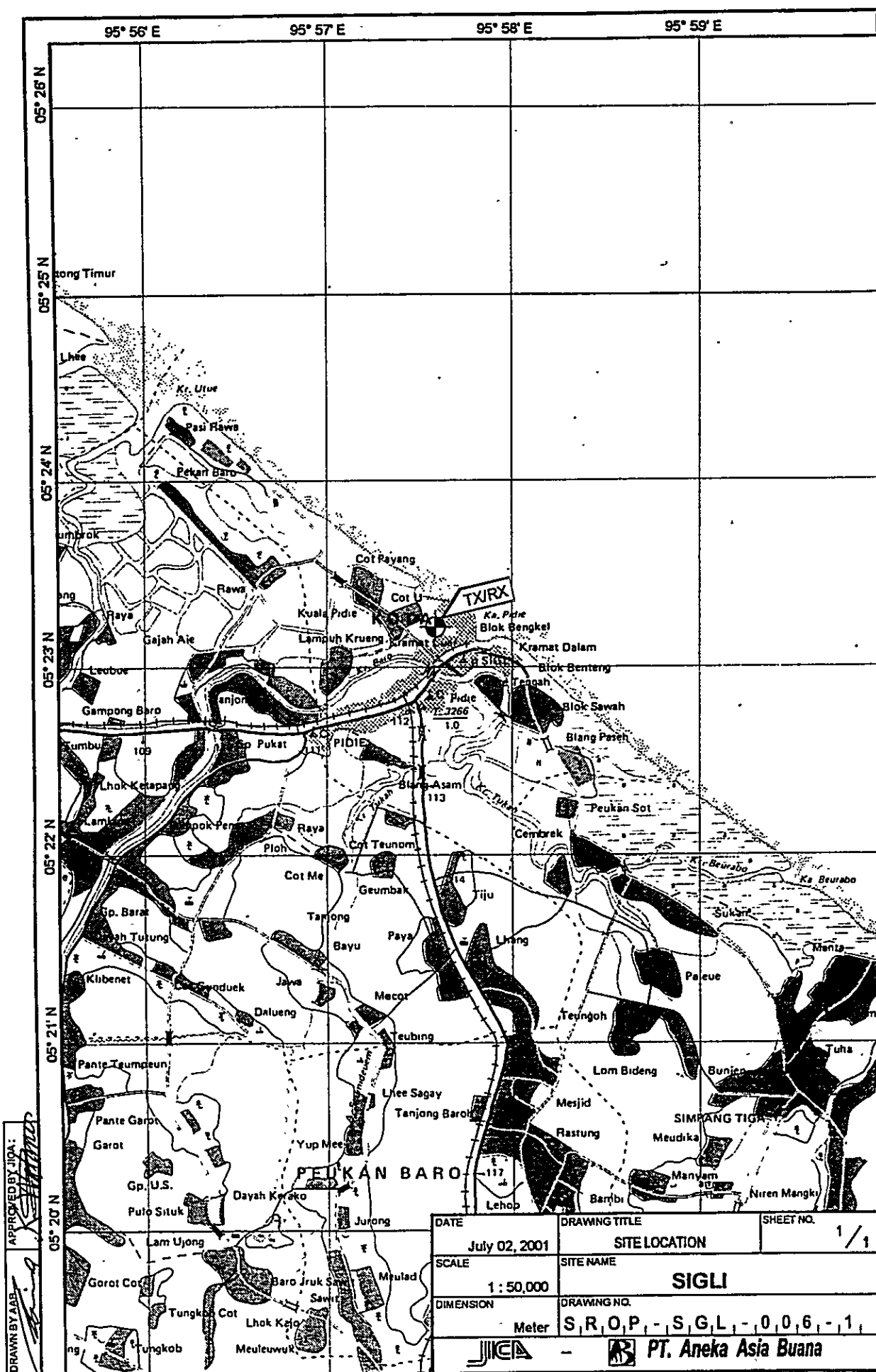
OPERATION SCHEDULE
(FREQUENCIES)

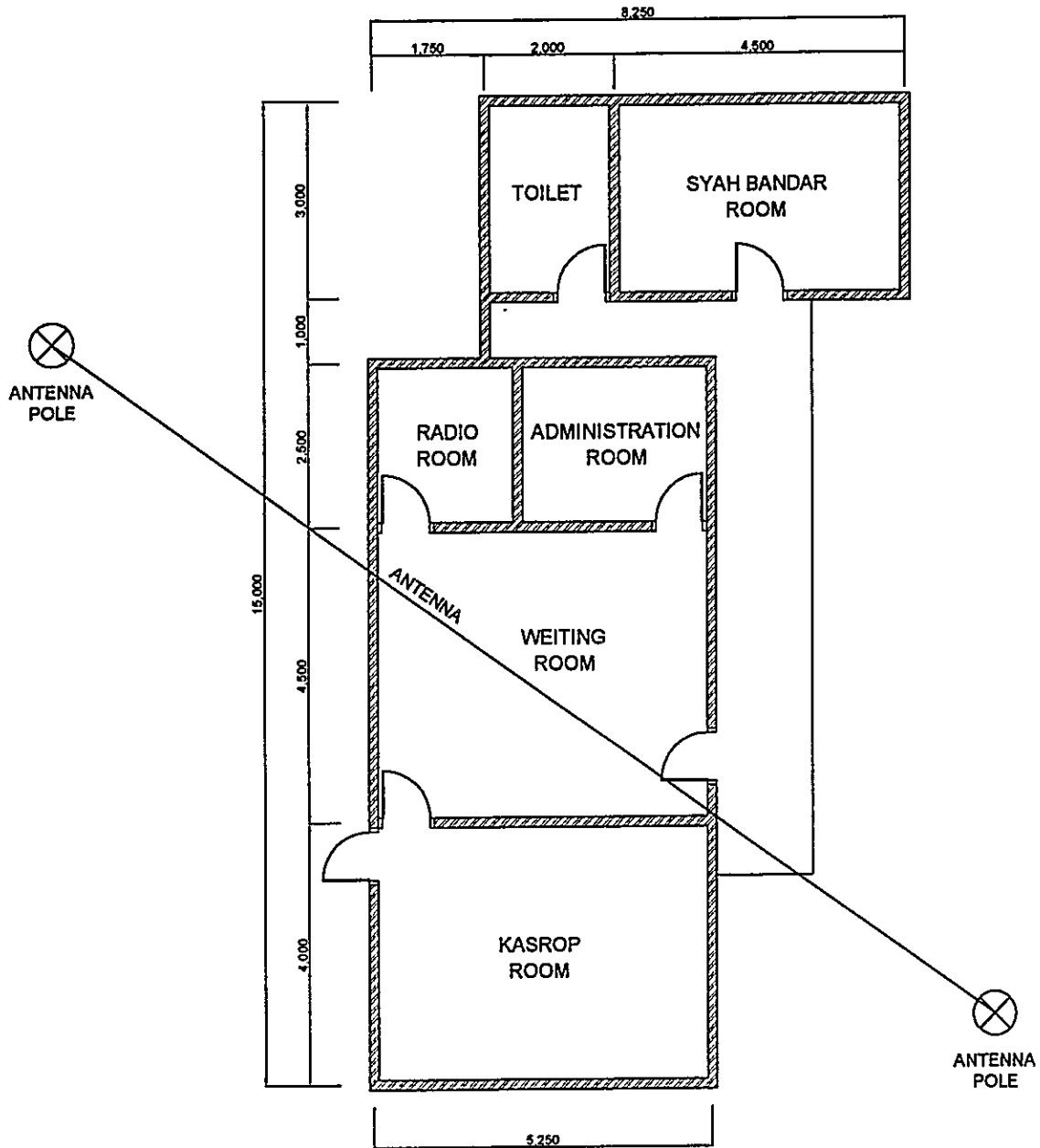
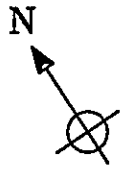
Site Name: Sigli

SGL-006-(1/1)

Call Sign : Mobile Service :
Fix Service :

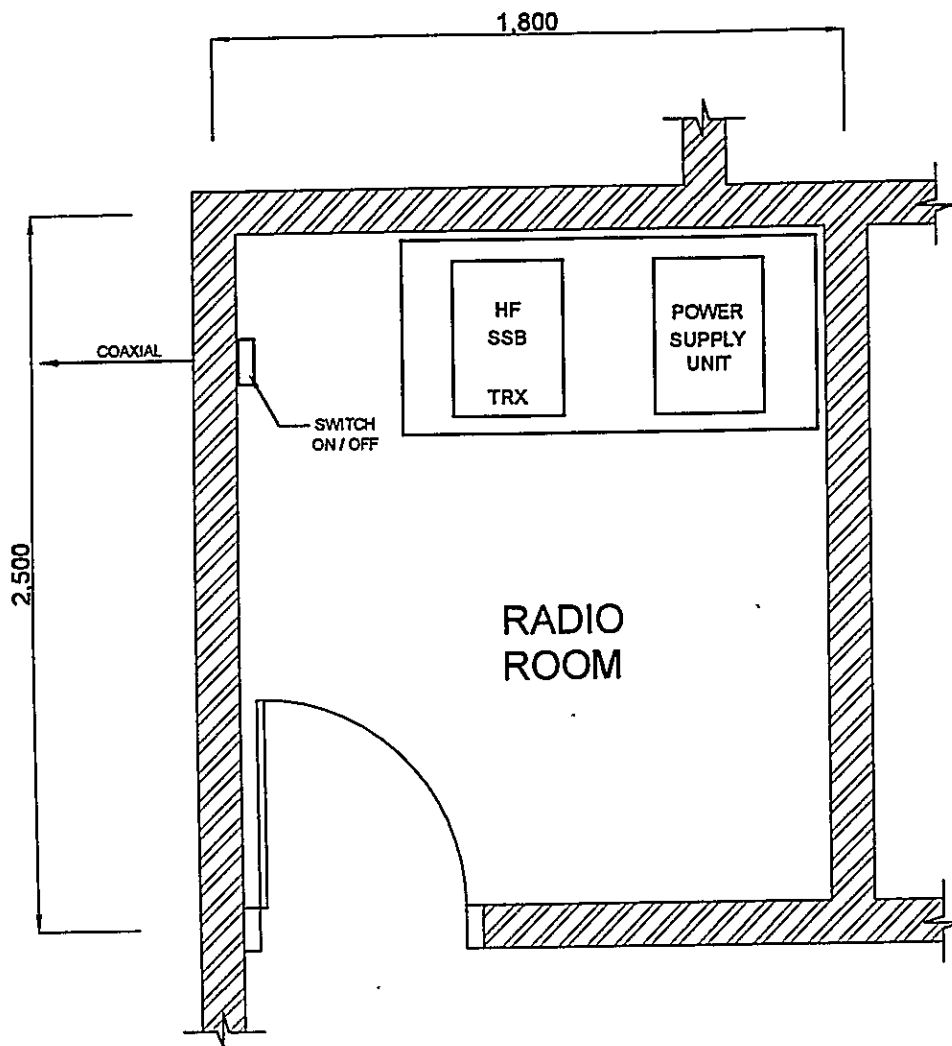
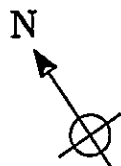
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Fix Service																												
1	5.259,0	J3E	100																									
2	5.165,0	J3E	100																									
3																												
4																												
5																												
6																												
7																												
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27																												





DRAWN BY AAB-
APPROVED BY JICA:
[Signature]

DATE August 16, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1/1
SCALE 1 : 100	SITE NAME SIGLI	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, G, L, -, 0, 0, 6, -, 2,	
JICA - PT. Aneka Asia Buana		



LEGEND

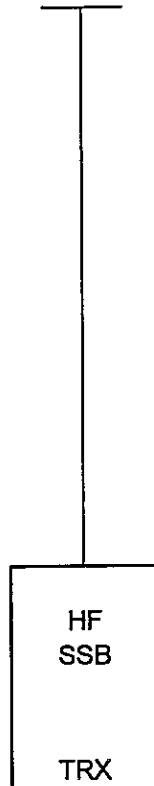
HF : HIGH FREQUENCY
TRX : TRANSCEIVER

APPROVED BY JICA

DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO.
August 16, 2001	EQUIPMENT FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 20	SIGLI	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - S, G, L, - 0, 0, 6, - 3,	
JICA - PT. Aneka Asia Buana		


ANTENNA



LEGEND

HF : HIGH FREQUENCY
TRX : TRANSCEIVER

DRAWN BY AAB
APPROVED BY JICA:
[Signature]

DATE August 16, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME SIGLI	
DIMENSION Milimeter	DRAWING NO. S, R, O, P - S, G, L - 0, 0, 6 - 5	
JICA -  PT. Aneka Asia Buana		

PLN LINE
AC 220V

POWER
SUPPLY
UNIT

TO HF
SSB
TRX

LEGEND

HF : HIGH FREQUENCY
TRX : TRANSCEIVER

DATE	DRAWING TITLE	SHEET NO.
August 16, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	SIGLI	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - S, G, L, - 0, 0, 6, - 6,	
JICA - PT. Aneka Asia Buana		

DRAWN BY A.B. APPROVED BY JICA:

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

**4th-B Class Coast Station
Susoh
(Coast Station No. 7)**

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	SUSOH		
	CLASS	4th-B	NO.	7

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Datuk Digaduang 167	91285		96° 48' 35" E	03° 43' 33" N

2. GENERAL CONDITIONS

Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Bnd. Aceh [Taking time: 4:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	30,000
By Car	to Piddie [Taking time: 7:00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Srop [Taking time: 0.30 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input checked="" type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	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	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	Asbestos	kVA	0.45		<input type="checkbox"/>	<input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source			Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	V ± %		Day tank	Liter
Flooring	Tile	Availability of power per day		Hours	Main tank	k Liter
Room Area (m ²)		Power interruption /month		20 Times	E/G Stand-by System	
Operation room	5.60	Total interpt. hours /month		100 Hours	<input type="checkbox"/>	Single System
E / G room		Max. interpt. hours at once		24 Hours	<input type="checkbox"/>	Dual System
Remark						

4. OPERATION AND MAINTENANCE

5. PERSONNEL FORMATIONS

Actions taken in equipment failure				TX/RX				
Restoration flow	Send to Sabang			Chief	1			
Examples of major failure	Caused by Aging, Un- normal Voltage			Operator (skilled)	1 ()			
Sufficiency of spares	Not- available			Technician (skilled)	0 ()			
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/> External noises	T o t a l	2			
<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 type="checkbox"/> Not so bad	<input checked="" type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input checked="" type="checkbox"/> Not capable					

SUMMARY OF COAST STATION					SITE		SUSOH					
					CLASS		4th-B		NO.	7		
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	For the time being personnel of Susoh Coast Station was exodus due to security matter If the situation turning better, request to have owned office building and house for operator; Request for additional modern equipment Request for additional operators.											
Remarks	Office building belong to Kanpel											

INVENTORY

Site Name: Susoh

SSH-007- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver	M-700	5335	ICOM	1993			Not So good
1-2		VHF System							
1		VHF Mobile	IC-59	6411	ICOM	1998			Good
2		Tower & Antenna System							
2-1		Tower							
1		21 mH Antenna Tower (2)				1993			Good
2		20 mH Antenna Tower (1)				1998			Good
2-2		Antenna System							
1		Dipole Antenna				1993			Good
2		VHF Whip Antenna				1998			Good
2-3		Antenna Matching Unit							
1		Antenna Tuner	AT-120		ICOM	1993			Good
2		Balun Transformer				1993			Good
3		Power Supply Equipment							
3-1		UPS & AVR							
1		Power Supply							
2		Accu Charger				2000			Good
3		Accumulator (2)				1999			Damaged 60% Good
4		Measuring Equipment							
1		Avo Meter							
2		Tool Set							
5		Others							
1		Fan 6"				1998			Good

Sabang

OPERATION SCHEDULE (FREQUENCIES)

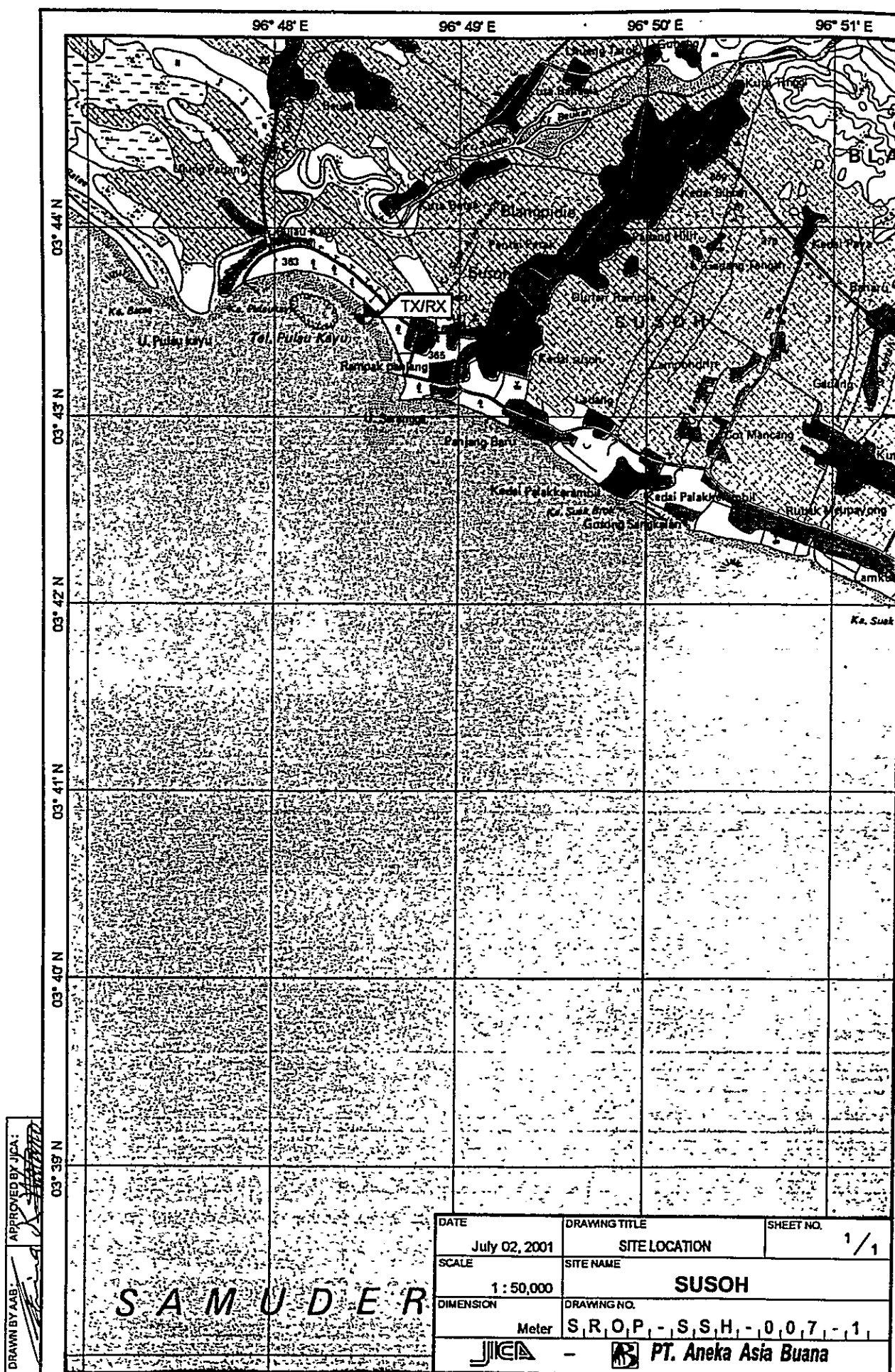
Site Name: Susoh

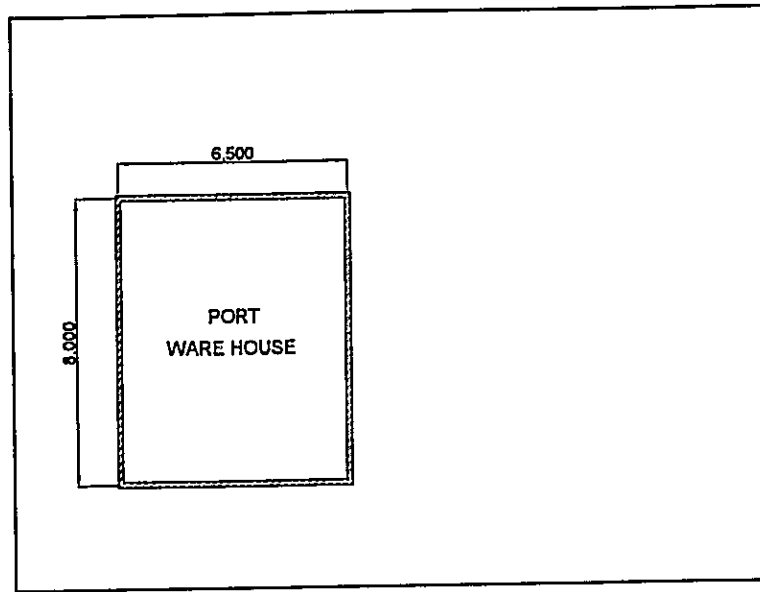
SSH-007-(1/1)

Call Sign : Mobile Service : PKA.27

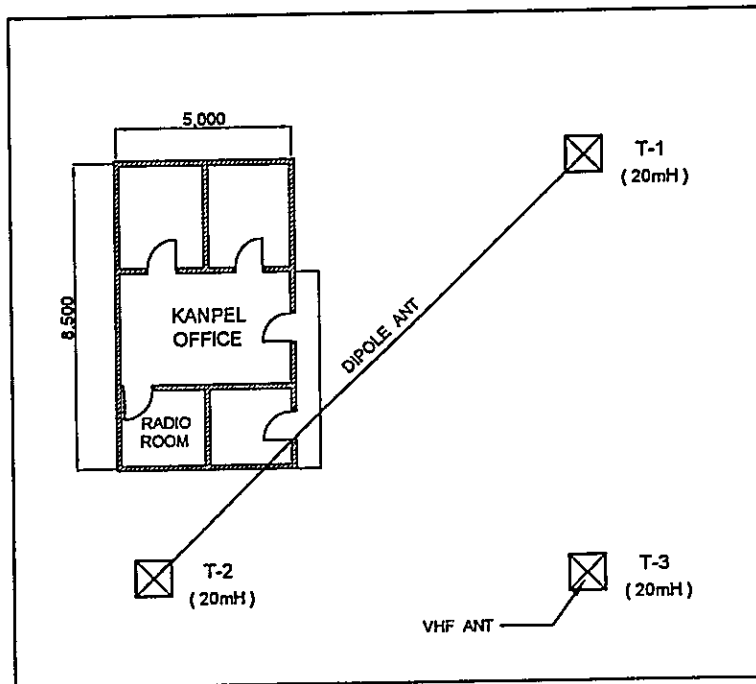
Fix Service :

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	Mobile Service																											
1	2.182,0	J3E	25																									
2	2.690,0	J3E	25																									
3	6.215,0	J3E	25																									
4	6.510,0	J3E	25																									
	VHF Service																											
5	Channel-16	G3E	25																									
6	Channel-22	G3E	25																									
7	Channel-26	G3E	25																									
	Fix Service																											
8	5.295,5	J3E	100																									
9	5.165,0	J3E	100																									
10																												
11																												
12																												
13																												
14																												
15																												
16																												
17																												
18																												
19																												
20																												
21																												
22																												
23																												





JL. PELABUHAN





PIER

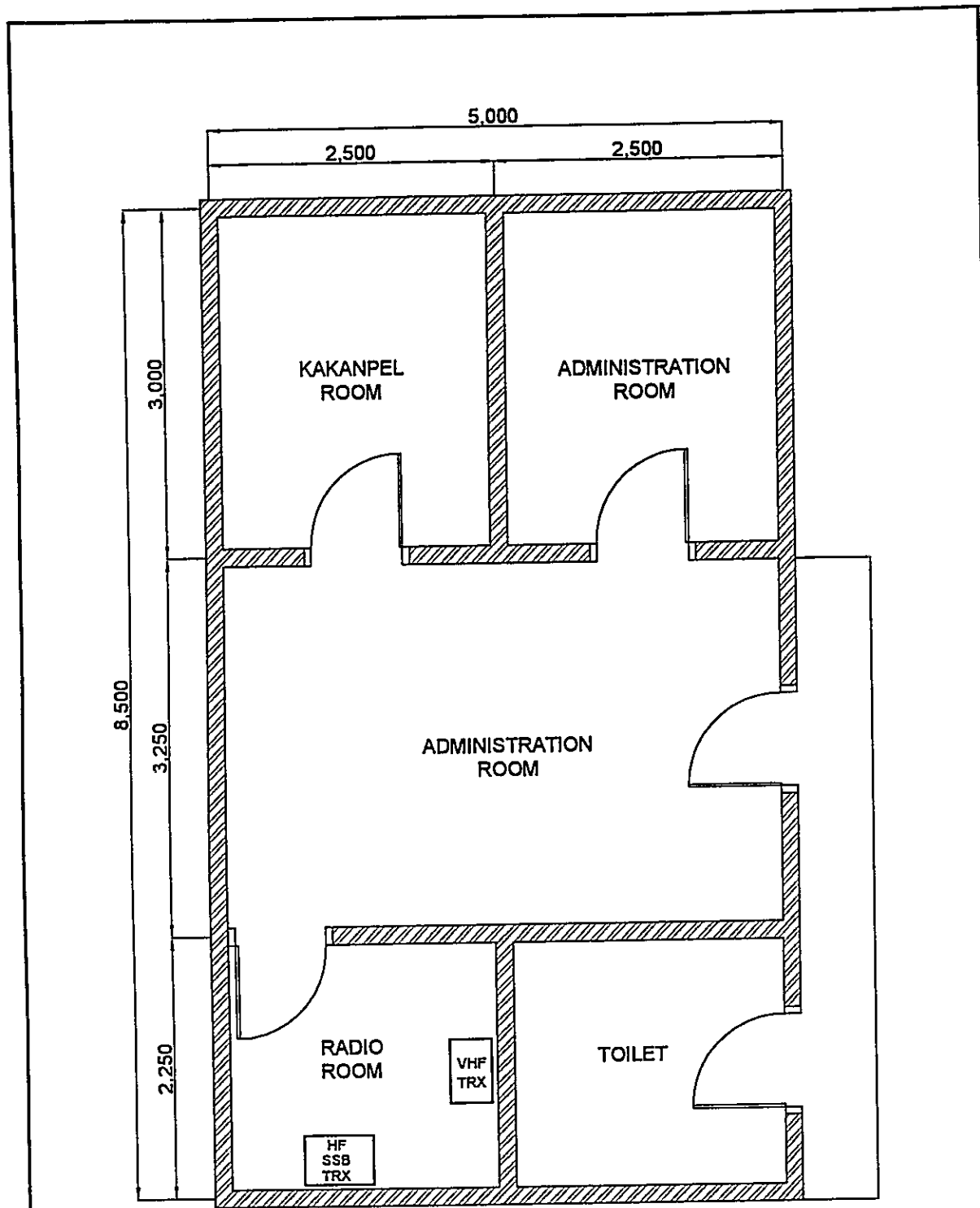
JL. T. CIGADUANG

LEGEND

ANT ANTENNA
T ANTENNA TOWER
VHF VERY HIGH FREQUENCY

DATE	August 01, 2001	DRAWING TITLE	ANTENNA LAYOUT	SHEET NO	1 / 1
SCALE	1 : 200	SITE NAME	SUSOH		
DIMENSION	Milimeter	DRAWING NO.	S, R, O, P, - S, S, H, - 0, 0, 7, - 2,		
 -  PT. Aneka Asia Buana					



DRAWN BY: 
 APPROVED BY: JICA. 

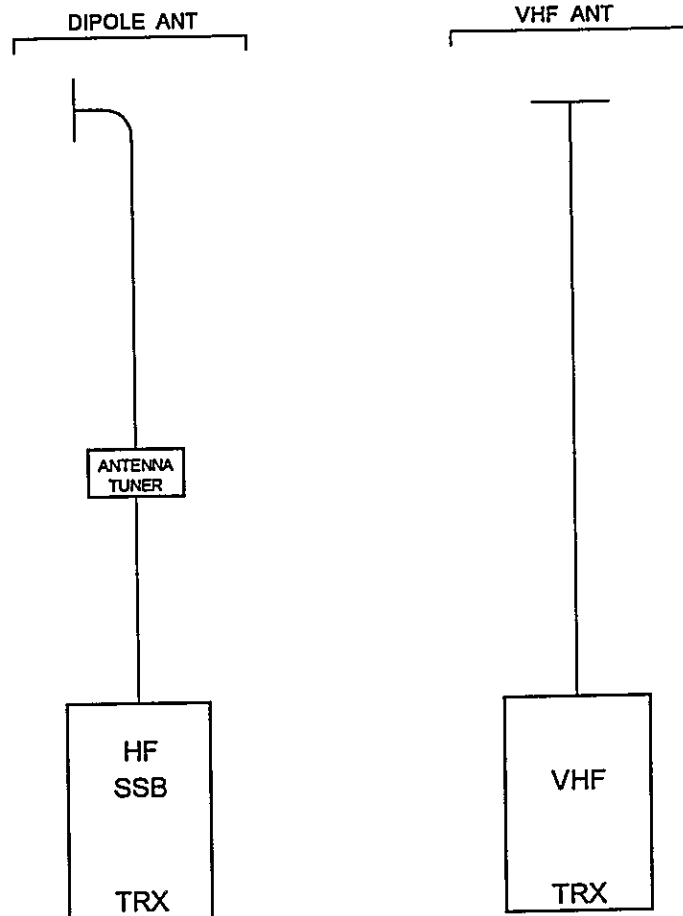


APPROVED BY JICA
 DRAWN BY AAS

LEGEND



HF : HIGH FREQUENCY
 TRX : TRANSCEIVER (ING)
 VHF : VERY HIGH FREQUENCY

DATE	JULY 30, 2001	DRAWING TITLE	EQUIPMENT FLOOR LAYOUT	SHEET NO.	1 / 1
SCALE	1 : 50	SITE NAME SUSOH			
DIMENSION	Milimeter	DRAWING NO S, R, O, P, - S, S, H, - 0, 0, 7, - 3,			
		 PT. Aneka Asia Buana			

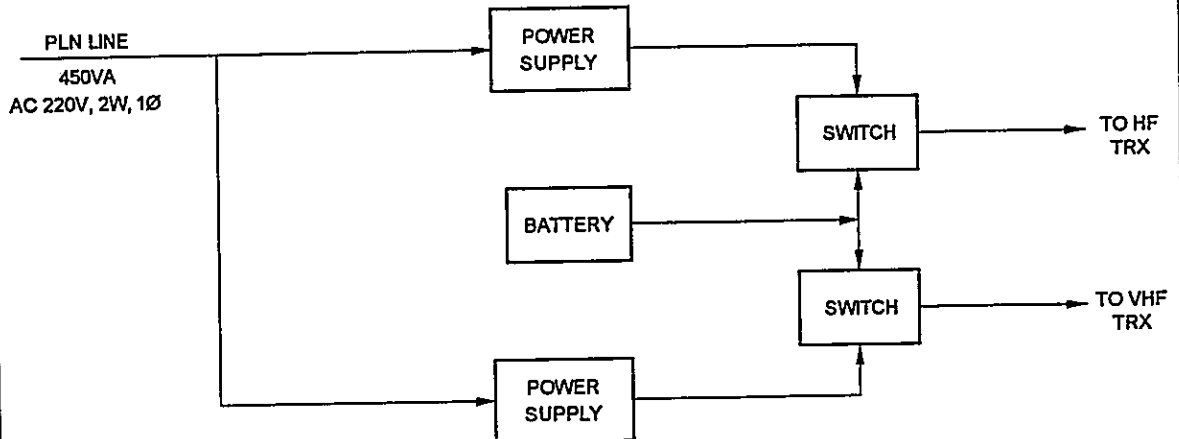


LEGEND

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

DATE	August 16, 2001	DRAWING TITLE	SYSTEM BLOCK DIAGRAM	SHEET NO	1 / 1
SCALE	No Scale	SITE NAME	SUSOH		
DIMENSION	Millimeter	DRAWING NO	S, R, O, P, - S, S, H, - 0, 0, 7, - 5,		
		 PT. Aneka Asia Buana			


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



LEGEND

AC : ALTERNATING CURRENT
 HF : HIGH FREQUENCY
 TRX : TRANSCEIVER
 V : VOLT
 VA : VOLT AMPERE
 VHF : VERY HIGH FREQUENCY
 W : WIRE
 Ø : PHASE

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

DATE	Sept 10, 2001	DRAWING TITLE	POWER BLOCK DIAGRAM	SHEET NO.	1 / 1
SCALE	No Scale	SITE NAME SUSOH			
DIMENSION	Millimeter	DRAWING NO. S, R, O, P, -, S, S, H, -, 0, 0, 7, -, 6			
JICA		-  PT. Aneka Asia Buana			

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

**4th-B Class Coast Station
Singkel
(Coast Station No. 8)**

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		SINGKEL	
					CLASS	4th-B	NO.	8
1. LOCATION								
Station	Address		Tel.	Fax	Longitude		Latitude	
TX/RX	Jl. Pelabuhan No. 1		21307		97° 45' 00" E		02° 18' 00" N	
2. GENERAL CONDITIONS								
Moving from Jakarta			Site Access from Port	Road Traffic	Accommodation	Population		
By Air	to Medan	[Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel			
By Car	to Singkel	[Taking time: 6.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel			
By Car	to Location	[Taking time: 0.30 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light				
				<input type="checkbox"/> None				
3. CONDITIONS OF STATION					Refer to attached drawing			
3.1 Site Conditions								
Topography		Nature of Soil		Past disaster of site		Confirmation of existing system		
<input type="checkbox"/> Flat	<input 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"/> Dry soil/Sandy	<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	5.00 M		Telephone Lines		<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way			
Land area	m ²		<input checked="" type="checkbox"/> 1 Lines		<input 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			Voltage	220 V	V		Good Bad	
Structure			Phase	1			<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System	
Type of roof			Wire	2			<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	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	8.2		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	Office Building owned by Kanpel							

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

SUMMARY OF COAST STATION						SITE		SINGKEL				
						CLASS		4th-B	NO.	8		
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: Singkel

SSH-008- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter							
1		SSB Transceiver	M700	01285	ICOM	1990			60% Good
2		Tower & Antenna System							
2-1		Tower							
1		15mH Antenna Tower (2)				1990			Good
2-2		Grounding System							
1		Grounding Rod							Good
2-3		Antenna Matching Unit							
1		Antenna Tuner	AT-120		ICOM	1990			Good
3		Power Supply Equipment							
3-1		UPS & AVR				2001			Good
1		Power Supply Unit							
4		Others							
1		Fan				2000			Good

Sabang

OPERATION SCHEDULE (FREQUENCIES)

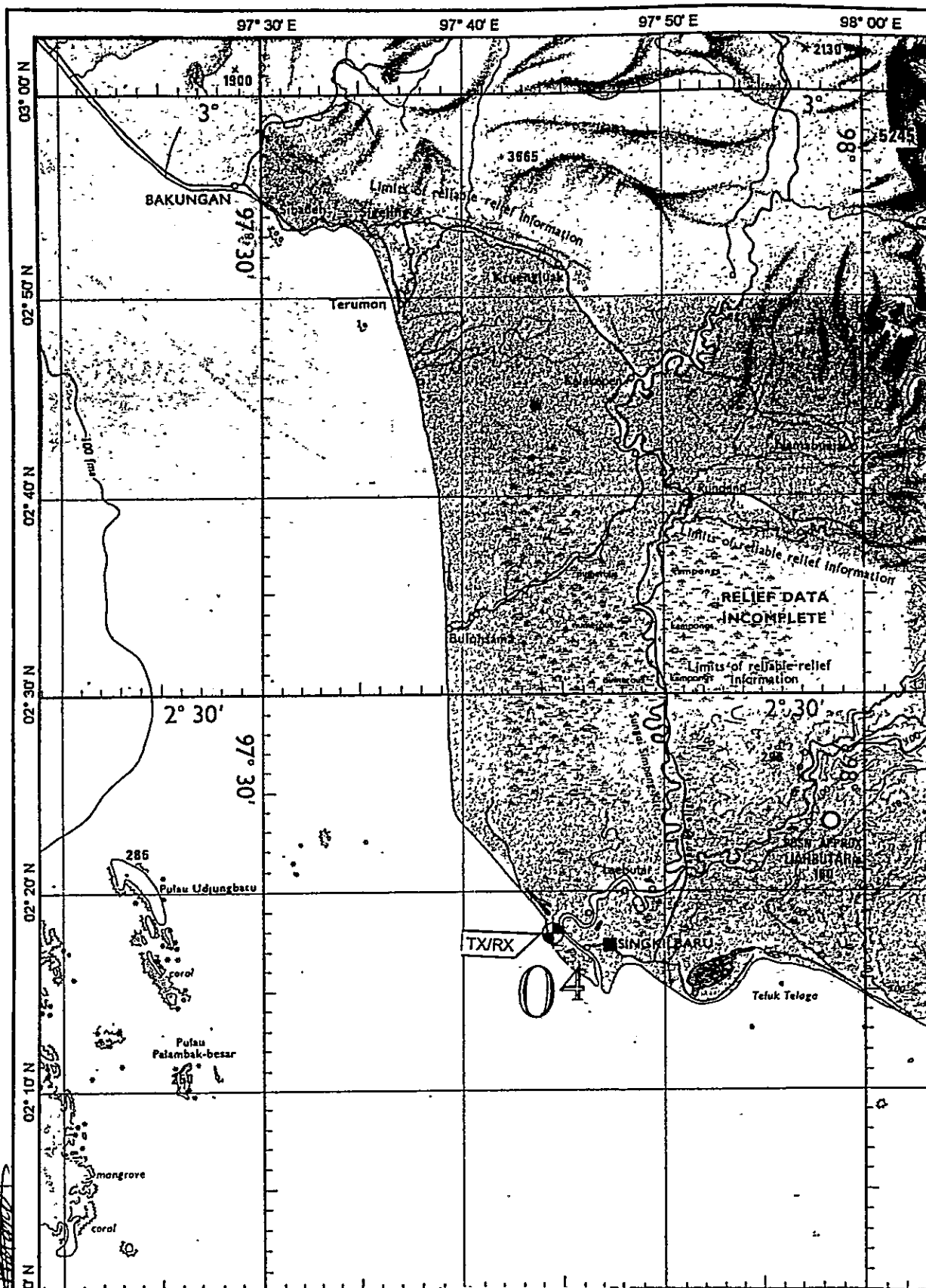
Site Name: Singkel

SKL-008-(1/1)

Call Sign : Mobile Service : PKA.23

Fix Service :

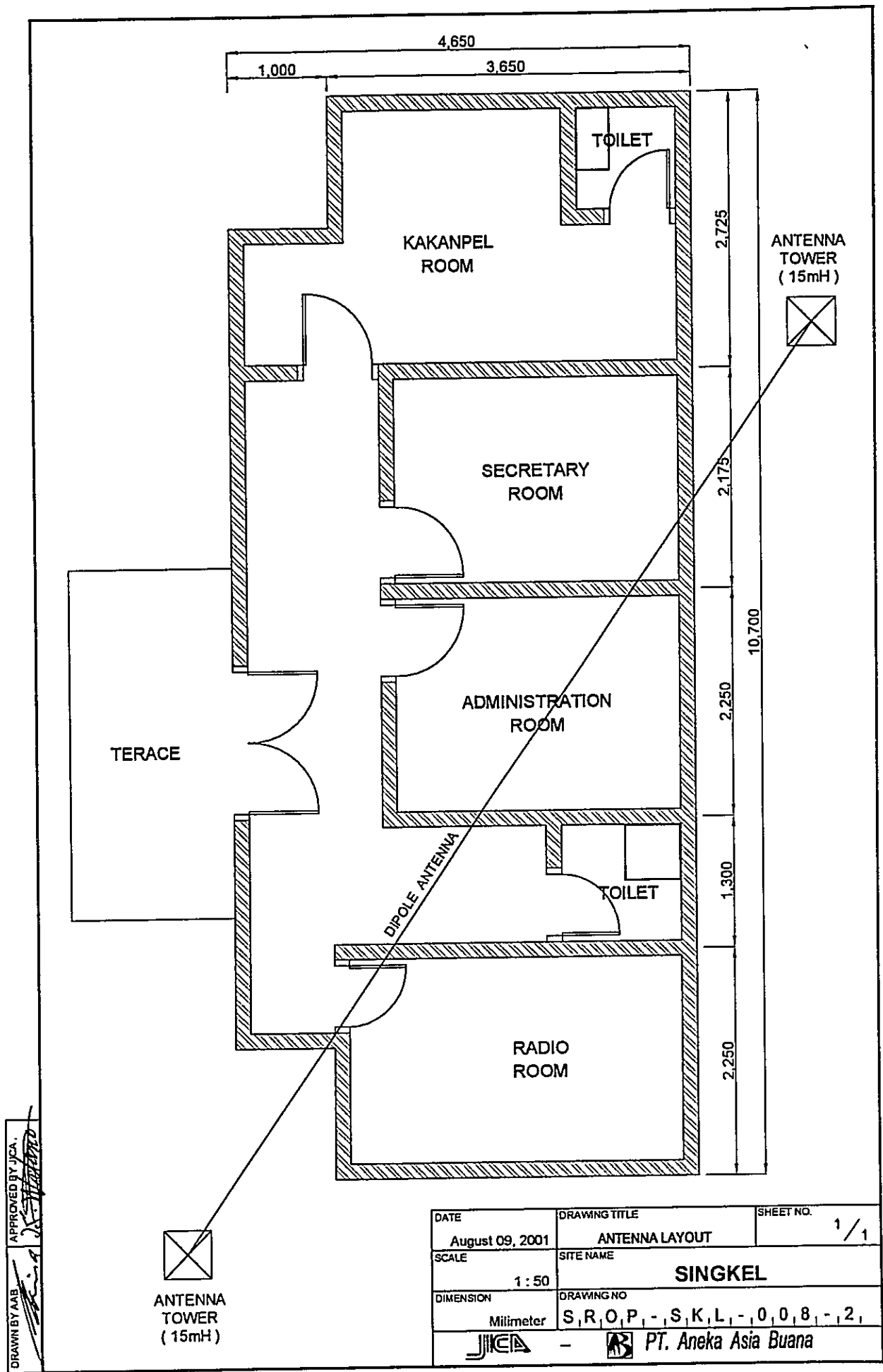
	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	Mobile Service																											
1	2 182,0	J3E	100																									
2	2 690,0	J3E	100																									
3	6 215,0	J3E	100																									
4	6 510,0	J3E	100																									
	Fix Service																											
5	5 295,5	J3E	100																									
6	5 165,0	J3E	100																									
7																												
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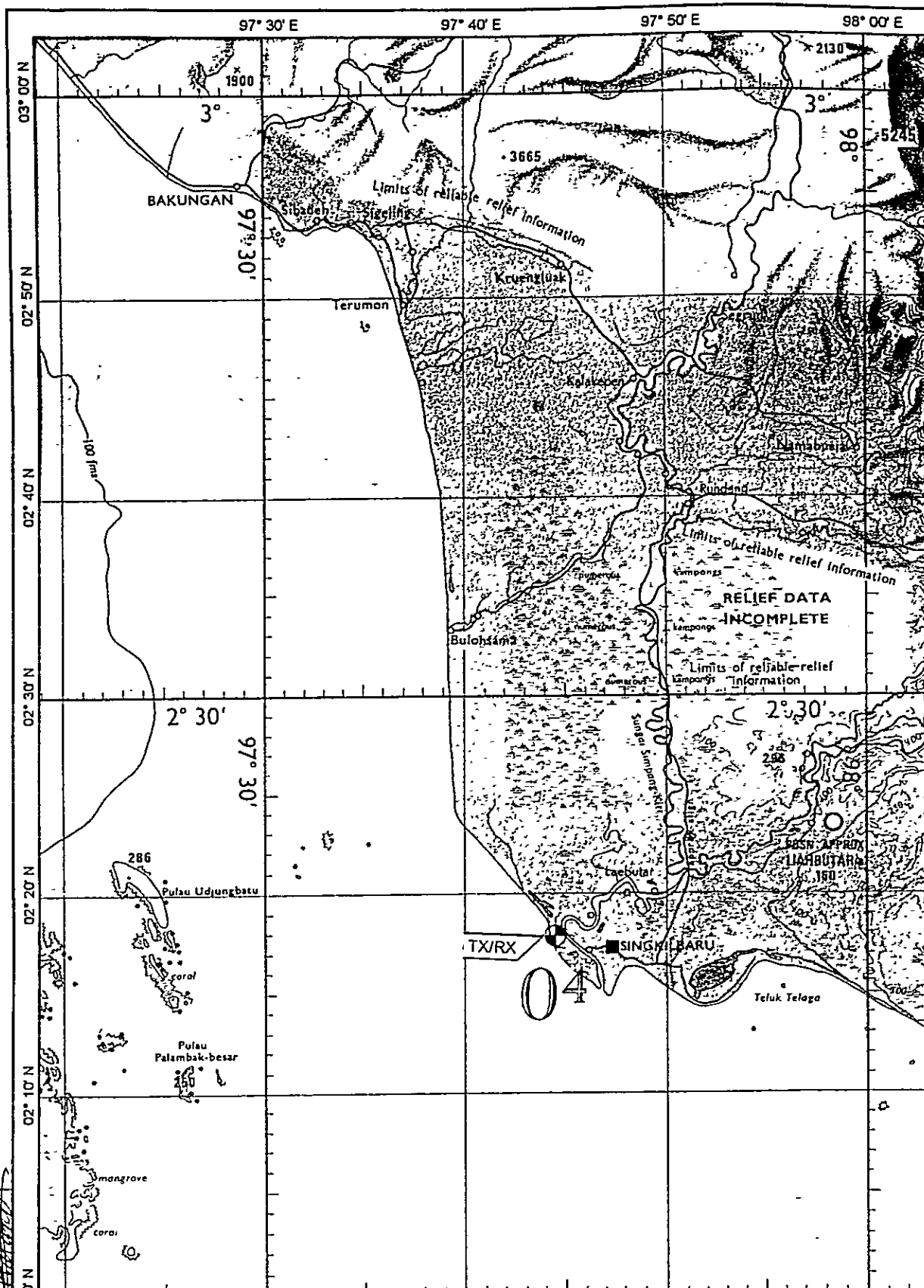


APPROVED BY JICA:
 DRAWN BY AAB: *[Signature]*



SE ISLANDS
 2° 30' 97° 30'

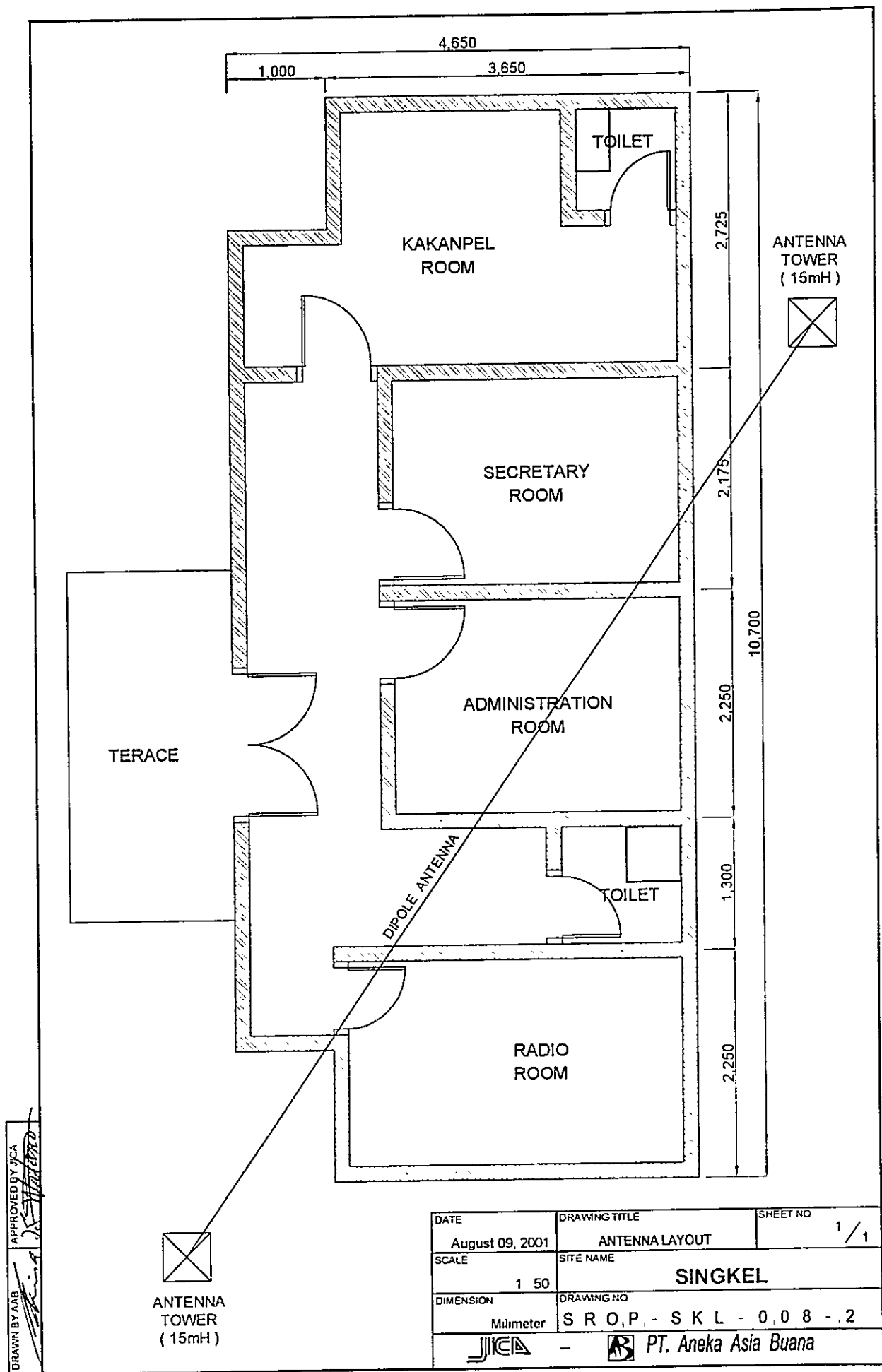
DATE July 02, 2001	DRAWING TITLE SITE LOCATION	SHEET NO 1/1
SCALE 1 : 500,000	SITE NAME SINGKEL	
DIMENSION Meter	DRAWING NO S, R, O, P, - S, K, L, - 0, 0, 8, - 1	
JICA - PT. Aneka Asia Buana		

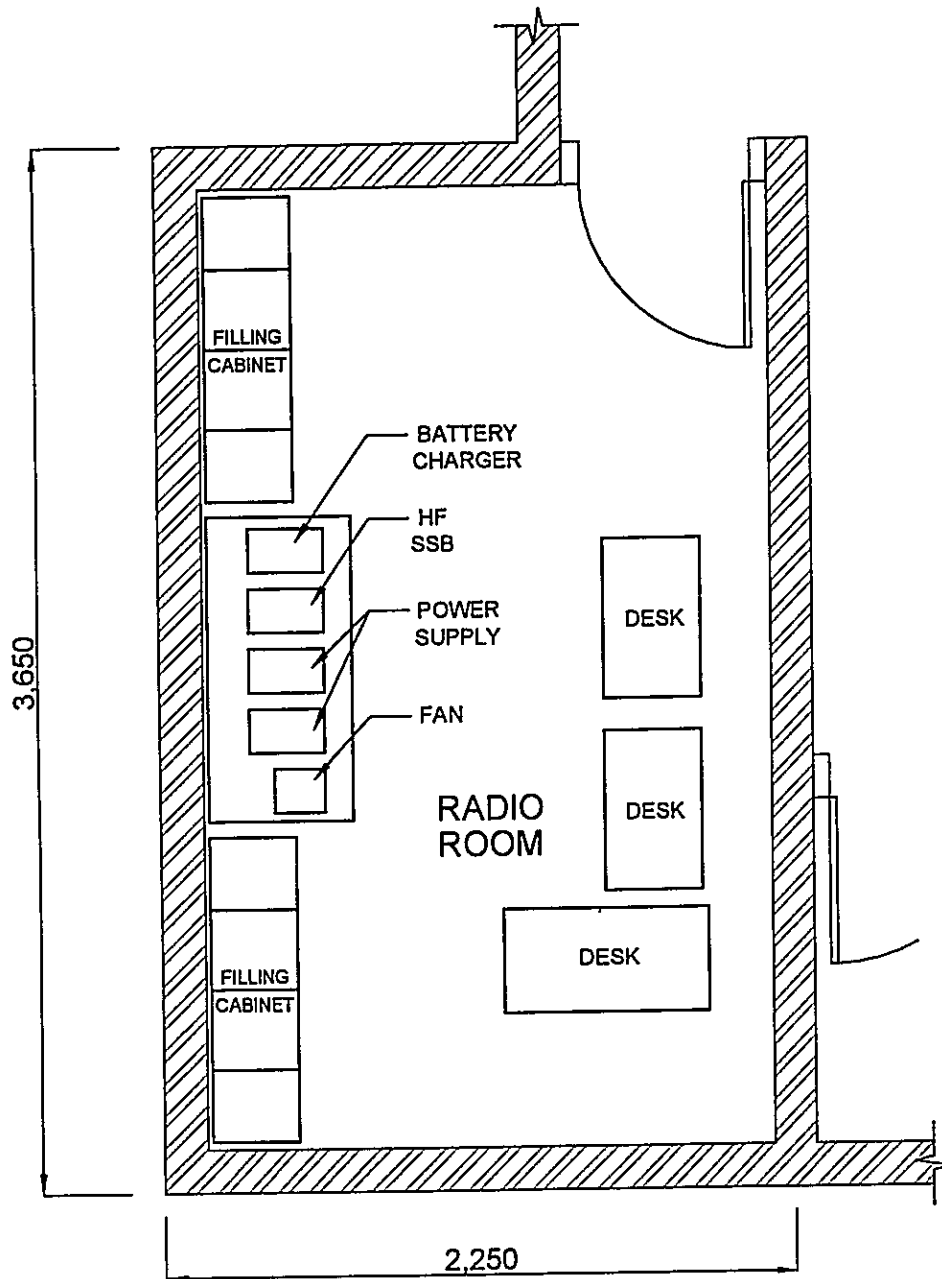





DRAWN BY AAB
 APPROVED BY JICA

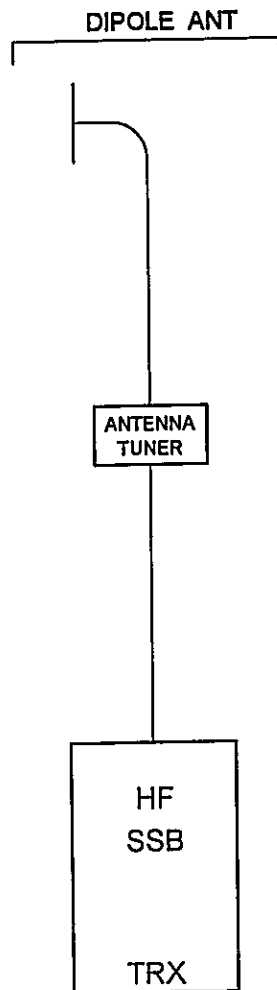
	DATE July 02, 2001	DRAWING TITLE SITE LOCATION	SHEET NO 1/1
	SCALE 1 500,000	SITE NAME SINGKEL	
	DIMENSION Meter	DRAWING NO S.R.O.P. - S.K.L. - 0.0.8. - 1	
	 -  PT. Aneka Asia Buana		






DRAWN BY AAB
 APPROVED BY JICA
[Signature]

DATE August 09, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 25	SITE NAME SINGKEL	
DIMENSION Mdimeter	DRAWING NO S, R, O, P, - , S, K, L, - , 0, 0, 8, - , 3,	
JICA -  PT. Aneka Asia Buana		



LEGEND

HF : HIGH FREQUENCY
TRX : TRANSCEIVER

DATE July 27, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME SINGKEL	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - S, K, L, - 0, 0, 8, - 5,	
JICA -  PT. Aneka Asia Buana		

APPROVED BY JICA.

 DRAWN BY AAB.

PLN LINE
AC 220V, 2W, 1Ø

POWER
SUPPLY

TO HF
SSB TRX

LEGEND

HF : HIGH FREQUENCY
TRX : TRANSCEIVER

DATE	DRAWING TITLE	SHEET NO.
July 27, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	SINGKEL	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, -, S, K, L, -, 0, 0, 8, -, 6,	
JICA - PT. Aneka Asia Buana		

DRAWN BY AAB
APPROVED BY JICA

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

4th-B Class Coast Station Idi (Coast Station No. 9)

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	IDI
				CLASS	4th-B NO. 9

1. LOCATION

Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Petua Husein			97° 46' 00" E	04° 57' 40" N

2. GENERAL CONDITIONS

Moving from Jakarta			Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan	[Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car	to Idi	[Taking time: 6.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Location	[Taking time: 0.30 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None			

3. CONDITIONS OF STATION

Refer to attached drawing

3.1 Site Conditions

Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input 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 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	5.00 M		Telephone Lines	<input type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	m ²		<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	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	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"/>	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/>	<input type="checkbox"/> Dual System
Remark	No Data				

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	T o t a l				
<input type="checkbox"/> Lightning		<input type="checkbox"/>	<input checked="" type="checkbox"/> Air pollution					
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION					SITE		IDI					
					CLASS		4th-B	NO.	9			
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	For the time being operator of Coast Station is working in Sabang. All equipment have been robbed or stolen by unknown armed people Port administration office has been burned.											
Remarks												

INVENTORY

Site Name: Idi

IDI-009- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
All Equipment have been Destroyed and Burned									

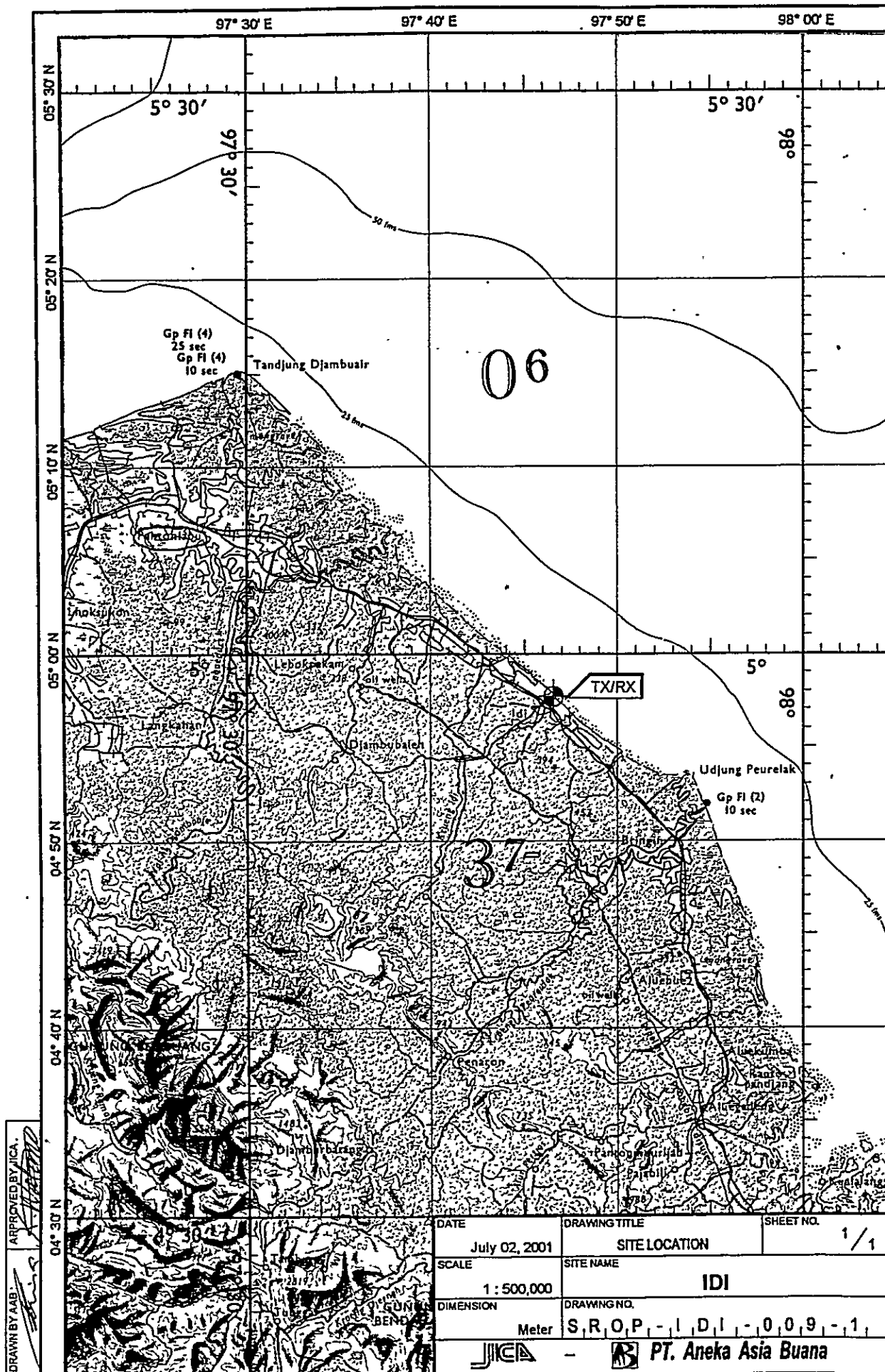
OPERATION SCHEDULE
(FREQUENCIES)

Site Name: Idi

Idi-009-(1/1)

Call Sign : Mobile Service : PKA.30
Fix Service :

	FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	Mobile Service																											
1	2 182,0	J3E	100																									
2	2 690,0	J3E	100																									
3	6 215,0	J3E	100																									
4	6 510,0	J3E	100																									
	Fix Service																											
5	5 295	J3E	150																									
6	5 165	J3E	150																									
7																												
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DRAWN BY AAB
APPROVED BY JICA

DATE	July 02, 2001	DRAWING TITLE	SITE LOCATION	SHEET NO.	1/1
SCALE	1 : 500,000	SITE NAME	IDI		
DIMENSION	Meter	DRAWING NO.	S.R.O.P. - I.D.I. - 0.0.9 - 1		
	JICA		PT. Aneka Asia Buana		

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

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

**2ND CLASS DISTRICT NAVIGATION AREA (2)
BELAWAN**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

2nd Class District Navigation Area (2) Medan

Table of Content

DISNAV	2	Medan	2nd Class
KANWIL	2	Medan	
KPLP	2	Belawan	
SROP	10	Belawan	1st Class
	11	Kuala Tanjung	4th-A Class
	12	Tg. Balai Asahan	4th-A Class
	13	Lhok Seumawe	4th-A Class
	14	Kuala Langsa	4th-A Class
	15	Tg. Tiram	4th-A Class
	16	Labuhan Bilik	4th-A Class
	17	Pangkalan Brandan	4th-B Class
	18	Leidong	4th-B Class
	19	Sei Berombang	4th-B Class
	20	Pangkalan Susu	4th-B Class

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

2nd Class District Navigation Office (Area-2) Belawan

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	BELAWAN		
				CLASS	1st	NO.	2

1. LOCATION				
Address	Tel.	Fax	Longitude	Latitude
Jl. Suar No. 2, Belawan 20411	061-6941567	061-6941115	° ' "	° ' "

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Medan [Taking time. 2 00 hr.]	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Ship to Medan [Taking time. 48 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 DISNAV OFFICE	Refer to attached drawing
---------------------------------------	---------------------------

3.1 Site Conditions				
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> Tide	<input type="checkbox"/> Lightning system
Altitude	m		Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	m ²		<input checked="" type="checkbox"/> 2 Lines	<input type="checkbox"/> City water
3.2 Building Conditions		3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions
Num. of story	One	Voltage	V	Good Bad
Structure	Concrete	Phase		<input type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire		<input type="checkbox"/> Operations of E/G
Type of ceiling	Asbestos	kVA		<input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine
Wall finish	Painting	Fluctuations	220 V ± 10 %	Day tank Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank k Liter
Room Area (m²)		Power interruption /month	5 Times	E/G Stand-by System
Operation room		Total interpt. hours /month	25 Hours	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	8 Hours	<input type="checkbox"/> Dual System
Remark				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure								
Restoration flow				Chief				
Examples of major failure				Operator (skilled)		()		
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	T o t a l				
<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 checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	PMS		Jakarta		39
3 Measuring eqpt /tools	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Oru		Jakarta		15
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Operator		Jakarta		20
5 Number of Technician	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF DISNAV					SITE		BELAWAN					
					CLASS		1st	NO.	2			
6. STATISTICAL COMMUNICATION TRAFFIC DATA												
Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
7. COMMENTS												
Suggestion												
Remarks												

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

**Kanwil Office (Disnav Area - 2)
Belawan**

Table of Content

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

Drawings:

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

Note :

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF KANWIL					SITE MEDAN-BELAWAN	
CLASS					NO.	2
1. LOCATION						
Address		Tel.		Fax		Longitude
Jl. Prof. M. Yamin SH						0 0 00
						0 0 00
2. GENERAL CONDITIONS						
Moving from Jakarta			Site Access from Port		Road Traffic	Accommodation
By Air to Medan [Taking time: 02:00 hr.]			<input type="checkbox"/> Highway		<input checked="" type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel
By Car to Medan [Taking time: 00:30 hr.]			<input checked="" 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 KANWIL OFFICE					Refer to attached drawing	
3.1 Site Conditions						
Topography		Nature of Soil		Past disaster of site		Confirmation of existing system
<input checked="" type="checkbox"/> Flat		<input checked="" 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 checked="" type="checkbox"/> <input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin		<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence		<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley		<input type="checkbox"/> Sandy				<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude		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		Voltage		V		Good Bad
Structure		Phase				<input checked="" 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 ± 10 %		Day tank
Flooring		Availability of power per day		24 Hours		Liter
Room Area (m ²)		Power interruption /month		4 Times		E/G Stand-by System
Operation room		Total interpt. hours /month		15 Hours		<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once		10 Hours		<input type="checkbox"/> Dual System
Remark						

4. OPERATION AND MAINTENANCE					5. PERSONNEL FORMATIONS				
Actions taken in equipment failure									
Restoration flow					Chief				
Examples of major failure					Operator (skilled)				
Sufficiency of spares					Technician (skilled)				
Records of damages					Administrator				
<input type="checkbox"/> Heavy rainfall					Good Bad				
<input type="checkbox"/> Storm					<input checked="" type="checkbox"/> <input type="checkbox"/> External noises				
<input type="checkbox"/> Lightning					<input checked="" type="checkbox"/> <input type="checkbox"/> Air pollution				
<input type="checkbox"/> Other calamity					Total				
Institutional and Human Statuses					Training Record				
1 Budget					Course				
<input type="checkbox"/> Sufficient <input type="checkbox"/> Reasonable <input type="checkbox"/> Insufficient					Class				
2 Spares					Location				
<input type="checkbox"/> Enough <input type="checkbox"/> Reasonable <input type="checkbox"/> Not enough					Period				
3 Measuring eqpt./tools					Trainee				
<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 KANWIL					SITE		MEDAN-BELAWAN					
					CLASS		NO.		2			
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	For communications, request for telephone set Request for reparation of RX Tellecontroler Request for a new Air Conditioner											
Remarks												

INVENTORY

Site Nama: Kanwil Belawan

KWIL-BLW-II-(1 / 2)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-1		Remote Control System							
1		DRCS-SS Radio and Control Bay	NUL-149	ET-12131-1	JRC	1990	SAR Project		Good
2		DRSC Additional Bay	NUL-150	ET-12131-2	JRC	1990	SAR Project		Good
1-2		Search & Monitor Console							
1		SAR Console	NCA-682C	BP-91400	JRC	1989	SAR Project		Good
2		- All Wave Receiver	NRD-93	BR-49339	JRC	1989	SAR Project		Good
3		- RX Telecontroller	NCG-95	BP-26461	JRC	1989	SAR Project		Good
4		- Scanning Unit	NDH-93	BR-	JRC	1989	SAR Project		Good
5		- Telecontroller MF TP	NCH-300P	BP-91784	JRC	1989	SAR Project		Good
6		- Telecontroller HF TP	NCH-300P	BP-91783	JRC	1989	SAR Project		Good
7		- DSC Terminal	NCT-60G	GA-11256	JRC	1989	SAR Project		Good
8		- Auto Alarm 2182 KHz Monitor	CCN-181	BP-92349	JRC	1989	SAR Project		Good
9		- Telephone Device	NQW-143	-	JRC	1989	SAR Project		Good
10		- Dialing Unit	NQU-13A	BP-92285	JRC	1989	SAR Project		Good
11		- Speaker Panel	NVA-64	-	JRC	1989	SAR Project		Good
12		- Signal Controller	NQP-21	BP-91724	JRC	1989	SAR Project		Good
1-3		VHF System							
1		Transceiver VHF Radio Link Type-A	GFD-170-10YA	CM-69874	JRC	1989	SAR Project		Good
2		Tower & Antenna System							
2-1		Tower & Mast							
		RX Station							
1		Menara Tower T.55M	S-55M	S1-64201	JRC	1989	SAR Project		Good
2-2		Antenna System							
		RX Station							
1		Antenna Parabolic	KP6F-23	38144	JRC	1989	SAR Project		Good
2		Antenna Yagi 3 Element	Y3-0614	4091	JRC	1989	SAR Project		Good
3		Antena Whip	WA-13	-	JRC	1989	SAR Project		Good

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INVENTORY

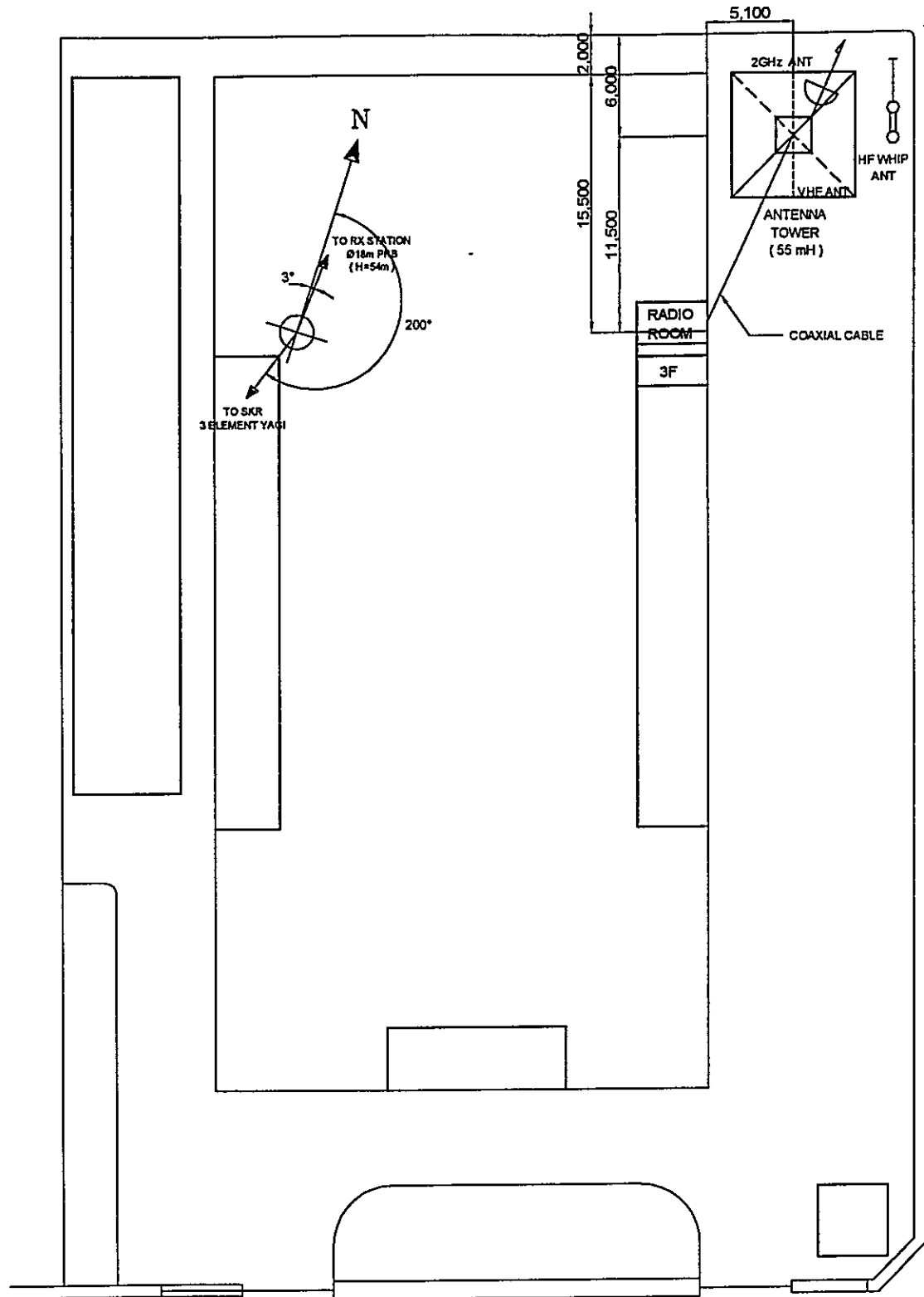
Site Nama: Kanwil Belawan

KWIL-BLW-II-(2 / 2)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		Back up Power Supply	NBB-31-15Z	-	JRC	1989	SAR Project		Good
2		BPS-1 24V-15A							Good
		Back up Power Supply	NBB-31-102	S-6486	JRC	1989	SAR Project		Good
3		BPS-2 24V-10A							
		Back up Power Supply	EZED-0020	167070	JRC	1989	SAR Project		Good
		Type-2 1KVA CVCF							
4		Others							
1		Air Conditioner Nasional	2 PK			1989	SAR Project		Good



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



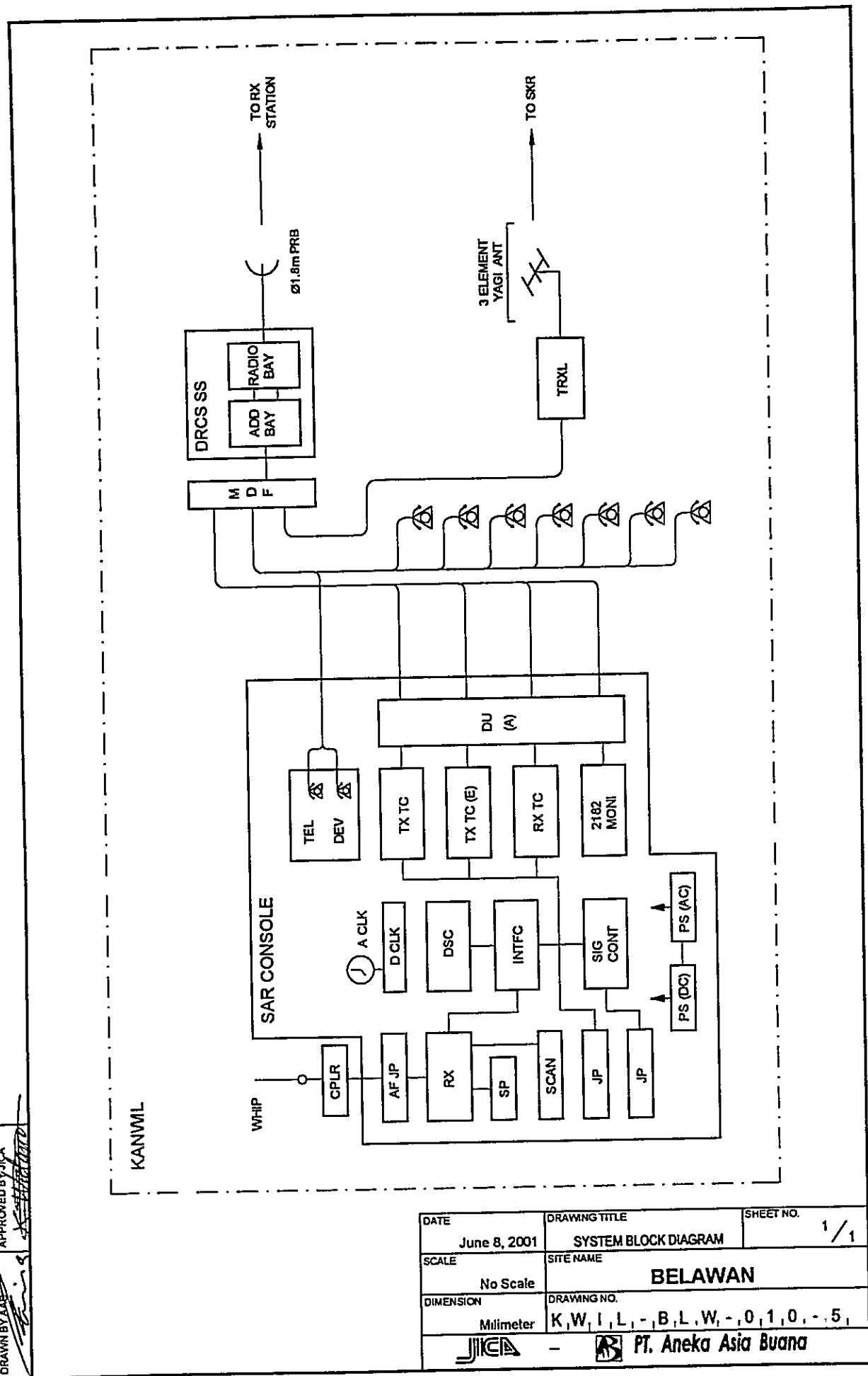
LEGEND

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

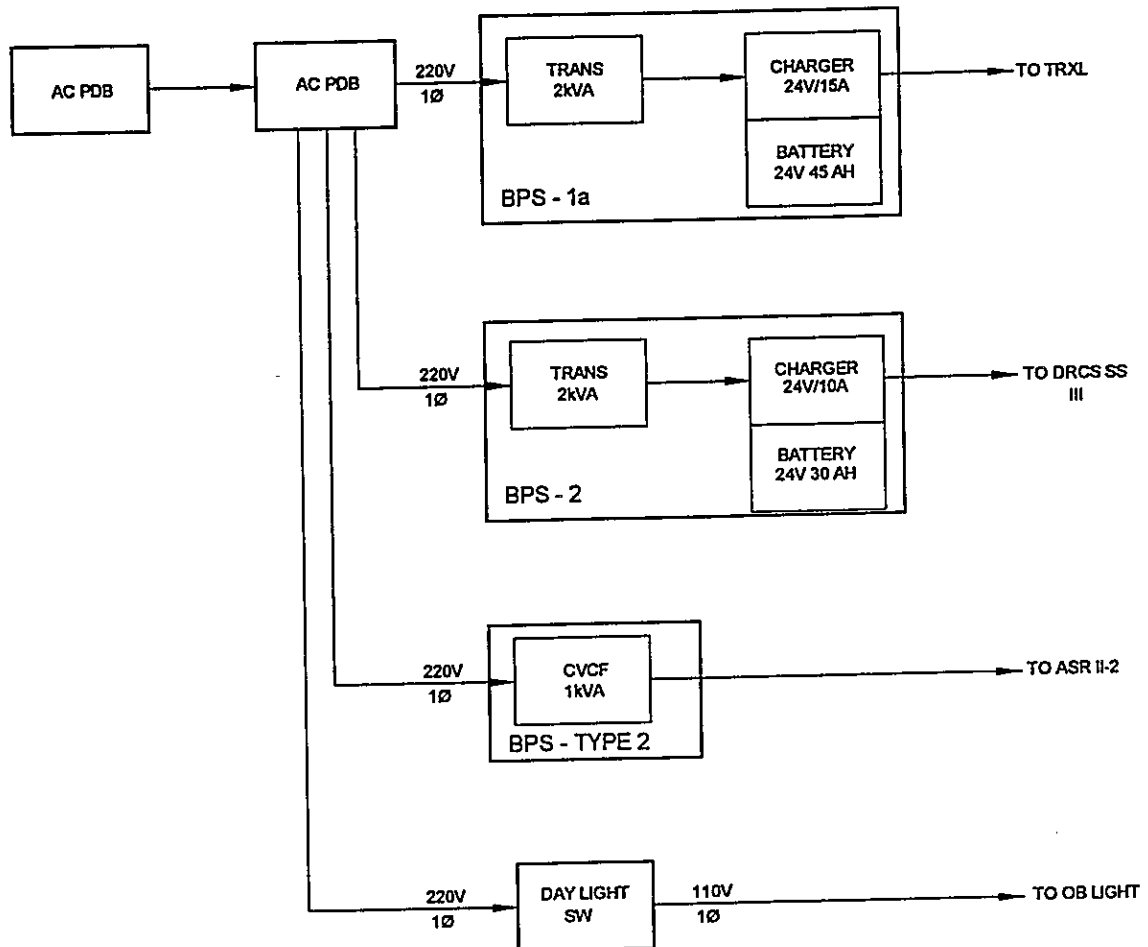
DATE	JUNE 8, 2001	DRAWING TITLE	ANTENNA LAYOUT	SHEET NO	1 / 1
SCALE	1 : 350	SITE NAME	BELAWAN		
DIMENSION	Millimeter	DRAWING NO	K, W, I, L, - , B, L, W, - , 0, 1, 0, - , 2, 1		
		-		PT. Aneka Asia Buana	

DRAWN BY AAR *[Signature]*



APPROVED BY JICA *[Signature]*



DATE	JUNE 8, 2001	DRAWING TITLE	SYSTEM BLOCK DIAGRAM	SHEET NO.	1 / 1
SCALE	No Scale	SITE NAME	BELAWAN		
DIMENSION	Millimeter	DRAWING NO.	K, W, I, L, - , B, L, W, - , 0, 1, 0, - , 5,		
- PT. Aneka Asia Buana					



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

DATE	JUNE 8, 2001	DRAWING TITLE	POWER BLOCK DIAGRAM	SHEET NO	1 / 1
SCALE	No Scale	SITE NAME	BELAWAN		
DIMENSION	Milimeter	DRAWING NO.	K, W, I, L, - , B, L, W. - 0, 1, 0, - 6,		
		 PT. Aneka Asia Buana			

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

**ADPEL/KPLP Office (Disnav Area - 2)
Belawan**

Table of Content

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

Note :

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

SUMMARY OF ADPEL / KPLP				SITE	BELAWAN	
				CLASS	NO.	II
1. LOCATION						
Address		Tel.	Fax	Longitude	Latitude	
Jl. Pelabuhan Ujung Baru		6941424		° ' "	° ' "	
2. GENERAL CONDITIONS						
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population	
By Air	to Medan [Taking time: 02:00 hr.]	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	7,000,000	
By Car	to Belawan [Taking time: 02:00 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 ADPEL/KPLP OFFICE				Refer to attached drawing		
3.1 Site Conditions						
Topography		Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No	
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna	
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)	
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system	
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system	
Altitude	3 m		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way	
Land area	m ²		<input checked="" type="checkbox"/> 1 Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> City water	
3.2 Building Conditions			3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions		
Num. of story	One	Voltage	220 V	Good Bad		
Structure	Concrete	Phase	3	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System		
Type of roof	Zinc	Wire	4	<input type="checkbox"/> <input type="checkbox"/> Operations of E/G		
Type of ceiling	Asbestos	kVA		<input type="checkbox"/> <input type="checkbox"/> Operations of AVR		
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine		
Wall finish	Painting	Fluctuations	V ± %	Day tank	Liter	
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter	
Room Area (m ²)		Power interruption /month	Times	E/G Stand-by System		
Operation room	5	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	All equipment has been removed to Coast Station					

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

SUMMARY OF ADPEL / KPLP						SITE		BELAWAN				
						CLASS		NO.		II		
6. STATISTICAL COMMUNICATION TRAFFIC DATA												
Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
7. COMMENTS												
Suggestion		Request for renovation in order to function again										
Remarks												

INVENTORY

Site Name: Adpel-Kplp Belawan

KPLP-BLW-IL-(1 / 2)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Remote Control System							
1		DRCS SS-Type-1	NUL-105-2	ET-12109	JRC	1990	SAR Project		Good
2		DRCS SS-Type-1	NUL-131A	ET-12110	JRC	1989	SAR Project		Good
3		Radio and Control Cabinet	NUL-131A	-	JRC	1990	SAR Project		Good
4		Local Terminal Unit	JCC-300 RR-8	BP-91815	JRC	1989	SAR Project		Good
1-2		Search & Monitor Console							
1		SAR Console-III-2	NCA-682E	BP-91908	JRC	1989	SAR Project		Good
2		- Dialing Unit	NQU-13A	BP-92286	JRC	1989	SAR Project		Good
3		- Digital Clock	NKH-17-10Z	-	JRC	1989	SAR Project		Good
4		- Telephone Device	NQW-143	-	JRC	1989	SAR Project		Good
5		- Telephone Device	SAR-014	-	JRC	1989	SAR Project		Good
1-3		VHF System							
1		VHF Controller	NCE-4378	BH-16901	JRC	1989	SAR Project		Damaged
2		Tower & Antenna System							
2-1		Tower & Mast							
		RX Station							
1		Antenna Tower	TS-15M	TS-64201	JRC	1989	SAR Project		Good
2		Antenna Tower	TS-10M	TS-64203	JRC	1989	SAR Project		Good
2-2		Antenna System							
		RX Station							
1		Antenna Parabolic	KP4F-23	-	JRC	1989	SAR Project		Good
2		Antenna Parabolic Q1-2M	KP4F-23	38152	JRC	1989	SAR Project		Good

Belawan

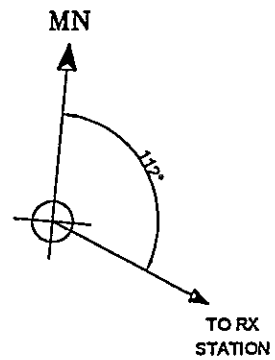
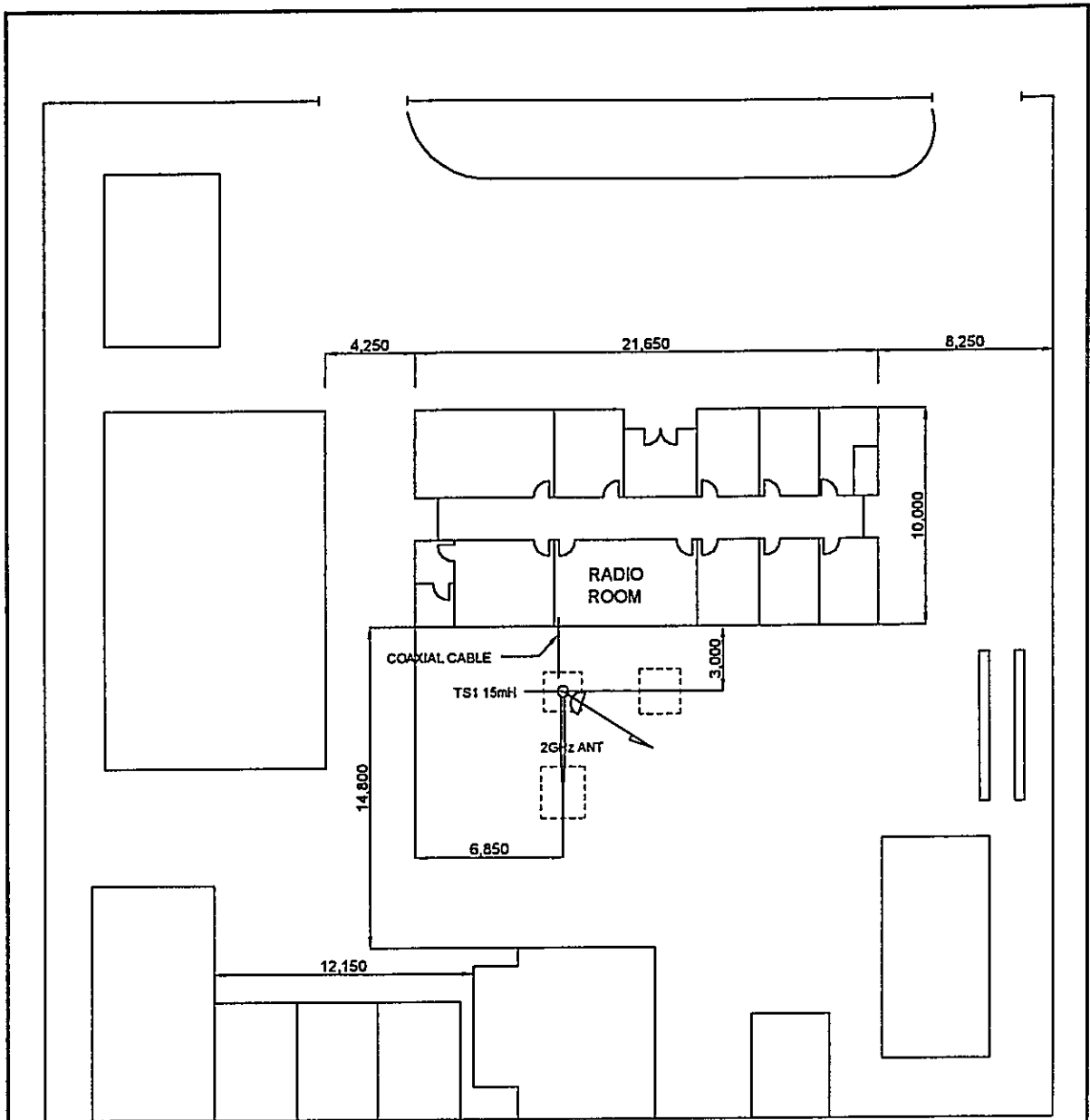
INVENTORY

Site Name: Adpel-Kplp Belawan

KPLP-BLW-II-(2 / 2)



No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		Back up Power Supply	NBB-244	ET-12137	JRC	1989	SAR Project		Good
2		Back up Power Supply bps 12V-40A	NBB-244	ET-12138	JRC	1989	SAR Project		Good
3		Step-up Transformer 0,5 KVA	T1-220	220-0,5 1923	JRC	1989	SAR Project		Good
4		Step-up Transformer 0,5 KVA	T1-220	220-0,5 1923	JRC	1989	SAR Project		Good
4		Others							
1		Air Conditioner Nasional	2 PK			1989	SAR Project		Good

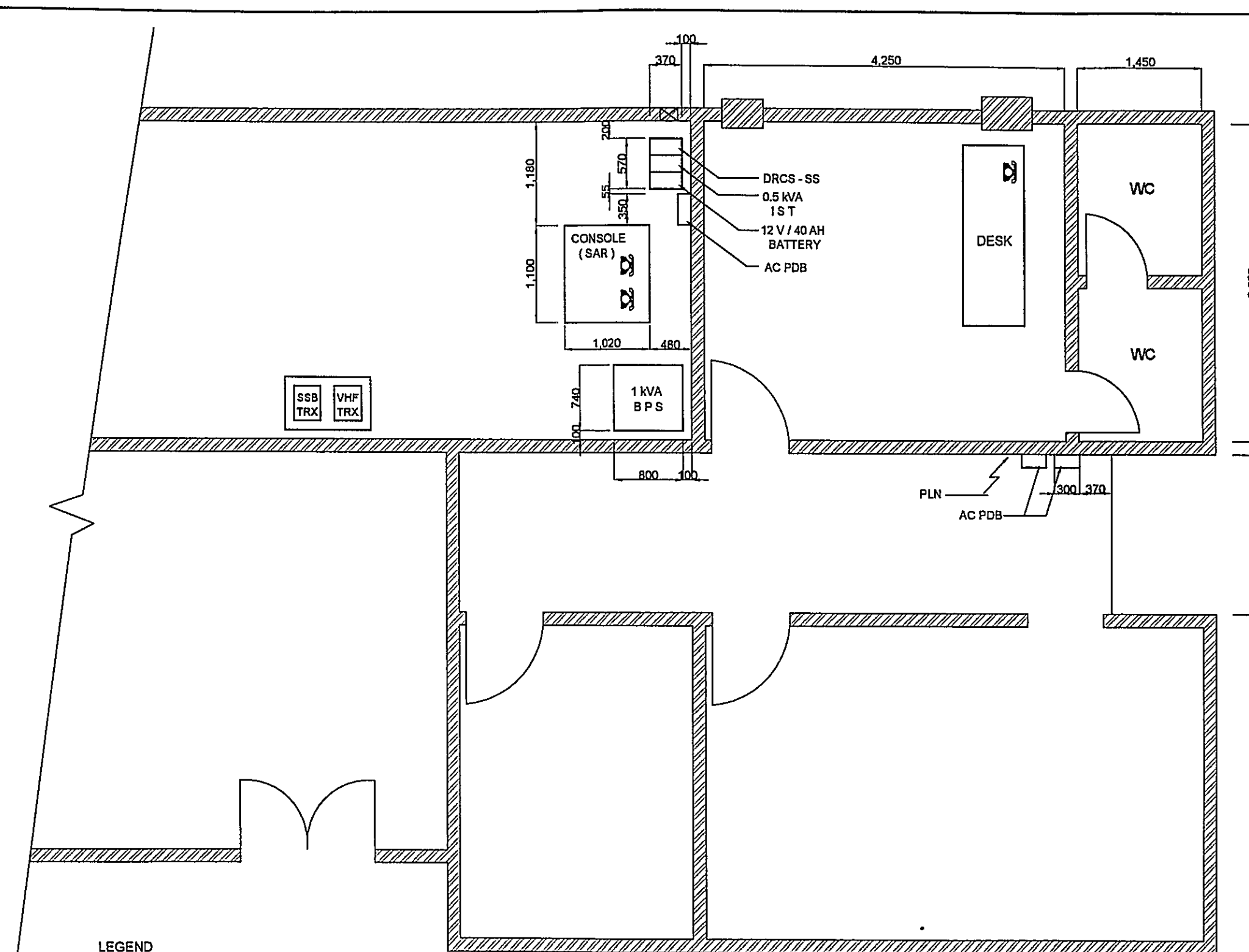
Belawan



APPROVED BY JICA:
K. [Signature]

DRAWN BY AAB:
[Signature]

DATE June 8, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO 1 / 1
SCALE 1 : 300	SITE NAME BELAWAN	
DIMENSION Milimeter	DRAWING NO K, P, L, P, -, B, L, W, -, 0, 1, 0, -, 2,	
 -  PT. Aneka Asia Buana		

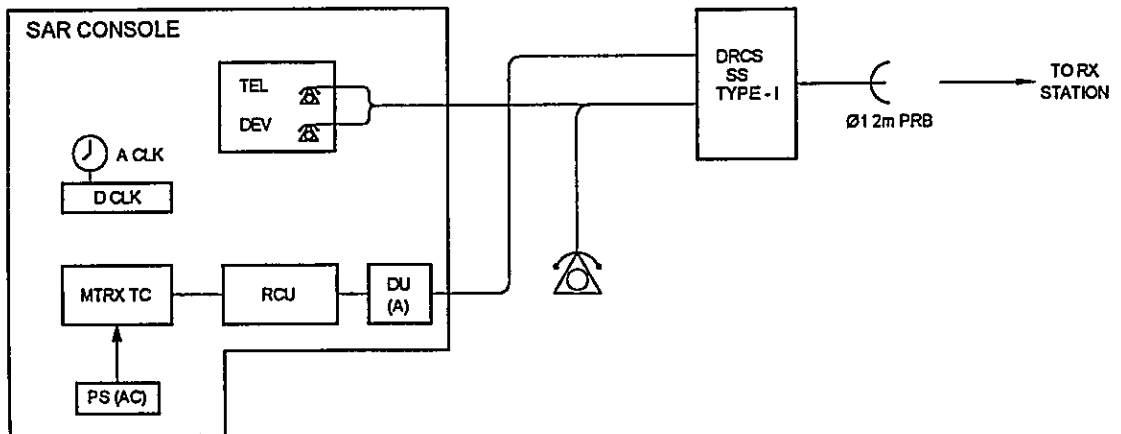


1st FLOOR

LEGEND

AC : ALTERNATING CURRENT
 BPS : BATTERY POWER SUPPLY
 IST : ISOLATION TRANSFORMER
 kVA : KILO VOLT AMPERE
 PDB : POWER DISTRIBUTION BOARD
 TRX : TRANSCEIVER (ING)
 VHF : VERY HIGH FREQUENCY
 ☎ : TELEPHONE

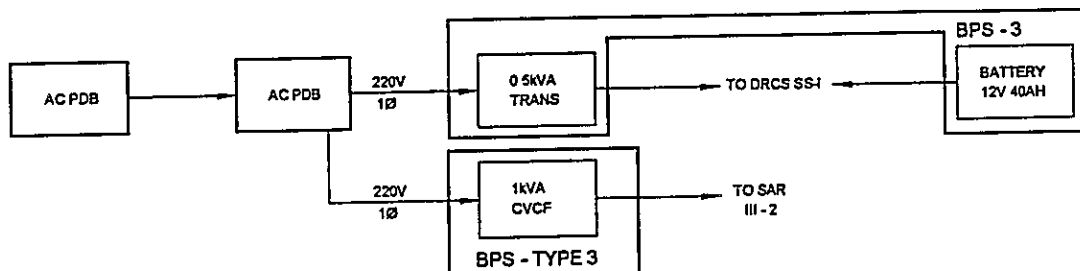
DATE	June 8, 2001	DRAWING TITLE	EQUIPMENT FLOOR LAYOUT	SHEET NO.	1/1
SCALE	1 : 50	SITE NAME	BELAWAN		
DIMENSION	Millimeter	DRAWING NO.	K, P, L, P, - B, L, W, - 0, 1, 0, - 3,		
JICA		-	PT. Aneka Asia Buana		





APPROVED BY JICA.
DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO.
June 8, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	BELAWAN	
DIMENSION	DRAWING NO	
Milimeter	K, P, L, P, - B, L, W, - 0, 1, 0, - 5,	
- PT. Aneka Asia Buana		

ADPEL / KPLP



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

DATE	JUNE 8, 2001	DRAWING TITLE	POWER BLOCK DIAGRAM	SHEET NO.	1 / 1
SCALE	No Scale	SITE NAME	BELAWAN		
DIMENSION	Milimeter	DRAWING NO	K, P, L, P, - , B, L, W, - , 0, 1, 0, - , 6, 1		
 -  PT. Aneka Asia Buana					