

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

4th-A Class Coast Station Bengkalis (Coast Station No. 30)

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- 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	BENGKALIS		
	CLASS	4th-A	NO.	30

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl Jenderal Sudirman No 3	766-21046		102° 06' 34" E	01° 28' 39" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Pekanbaru [Taking time 2.00 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	25,000
By Car	to Dumai [Taking time 4.00 hr]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Ship	to Bengkalis [Taking time 2.30 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 checked="" type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	10.00 M		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	1,500 m ²		<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	Wooden	kVA	13	<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
Flooring	Tile	Availability of power per day	24 Hours	Main tank	10 Liter
Room Area (m ²)		Power interruption /month	7 Times	E/G Stand-by System	
Operation room	9 00	Total interpt hours /month	30 Hours	<input checked="" type="checkbox"/> Single System	
E / G room	3 75	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						TX/RX		
Restoration flow	Repairing			Chief			1	
Examples of major failure	Power Supply			Operator (skilled)			1 (2) 0	
Sufficiency of spares				Technician (skilled)			0 0	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall			Good Bad					
<input type="checkbox"/> Storm			<input checked="" type="checkbox"/> <input type="checkbox"/> External noises	Total				
<input checked="" type="checkbox"/> Lightning	Power Supply		<input checked="" type="checkbox"/> <input type="checkbox"/> Air pollution	2				
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	Oru	Medan	1998	2
3 Measuring eqpt /tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
4 Number of Operator	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input checked="" type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	BENGKALIS		
	CLASS	4th-A	NO.	30

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

7. COMMENTS	
Suggestion	Request to have ch.70 VHF transceiver.
Remarks	

INVENTORY

Site Name: Bengkalis

BKS-030- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter	NTD-177	017-40	INTI	1981			Damaged
1		HF Transceiver	IC-M700	01264	ICOM	1990			Damaged
2		HF Transceiver	IC-M700	49251	ICOM	1996			Good
3		HF Transceiver							
2		Tower & Antenna System							
2-1		Antenna System							
1		Extended Antenna				1995			Good
2		Extended Antenna				1995			Good
2-2		Antenna Matching Unit							
1		Antenna Coupler	XW-49	017-40	INTI	1981			Damaged
2		Automatic Antenna Tuner	AT-120		ICOM	1990			Good
3		Automatic Antenna Tuner	AT-120		ICOM	1996			Good
3		Power Supply Equipment							
3-1		UPS & AVR							
1		DC Power Supply	NBA-901B	017-40	INTI	1981			Good
2		DC Power Supply	PS-304 II	0640	Daiwa	1995			Damaged
3		DC Power Supply	PS-3500		Swallow	1996			Good
4		Accumulator 12V/200AH (x2)	N200		INCOE	1996			Good
5		AC Automatic Regulator	AC-1000		N'Yoshu	1991			Damaged
3-2		Engine Generator							
1		3kVA Engine Generator	TS-70		Yanmar	1981			Good
4		Measuring Equipment							
1		Multi Meter (AVO Meter)	SP-200		Helics	1993			Good
5		Others							
1		Fan	DFN	92119903	Mitsuta	1995			Good

STATUS OF TROUBLES

SITE NAME : BENGKALIS

BKS-30-(1/1)

Item / Equipment	SSB Transceiver / -	
Manufacturer	ICOM	
Manufacturer in year	1995	
Defective panel / unit	Power Supply	
Details of Trouble Status	Cause doe to:	Urgency of Repair
	<input type="checkbox"/> Aging	
	<input checked="" type="checkbox"/> Lightning	
	<input type="checkbox"/> Corrosion	
	<input checked="" type="checkbox"/> Lack of Spares	
	<input type="checkbox"/> Others	
Repairing to be:		
<input type="checkbox"/> Immediacy		
<input type="checkbox"/> By next year budget		
<input type="checkbox"/> By next project		
<input type="checkbox"/> Unnecessary		
<u>General Comment for Maintenance:</u>		
Spare part un-available and no technician		

OPERATION SCHEDULE (FREQUENCIES)

Site Name: **Bengkalis**

BKS-030-(1/1)

Call Sign : Mobile Service PKP 50
Fix Service 8A024

FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mobile Service																											
1	J3E	150																									
2	J3E	150																									
3	J3E	150																									
4	J3E	150																									
Fix Service																											
5	G3E	100																									
6	G3E	100																									
7																											
8																											
9																											
10																											
11																											
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25																											

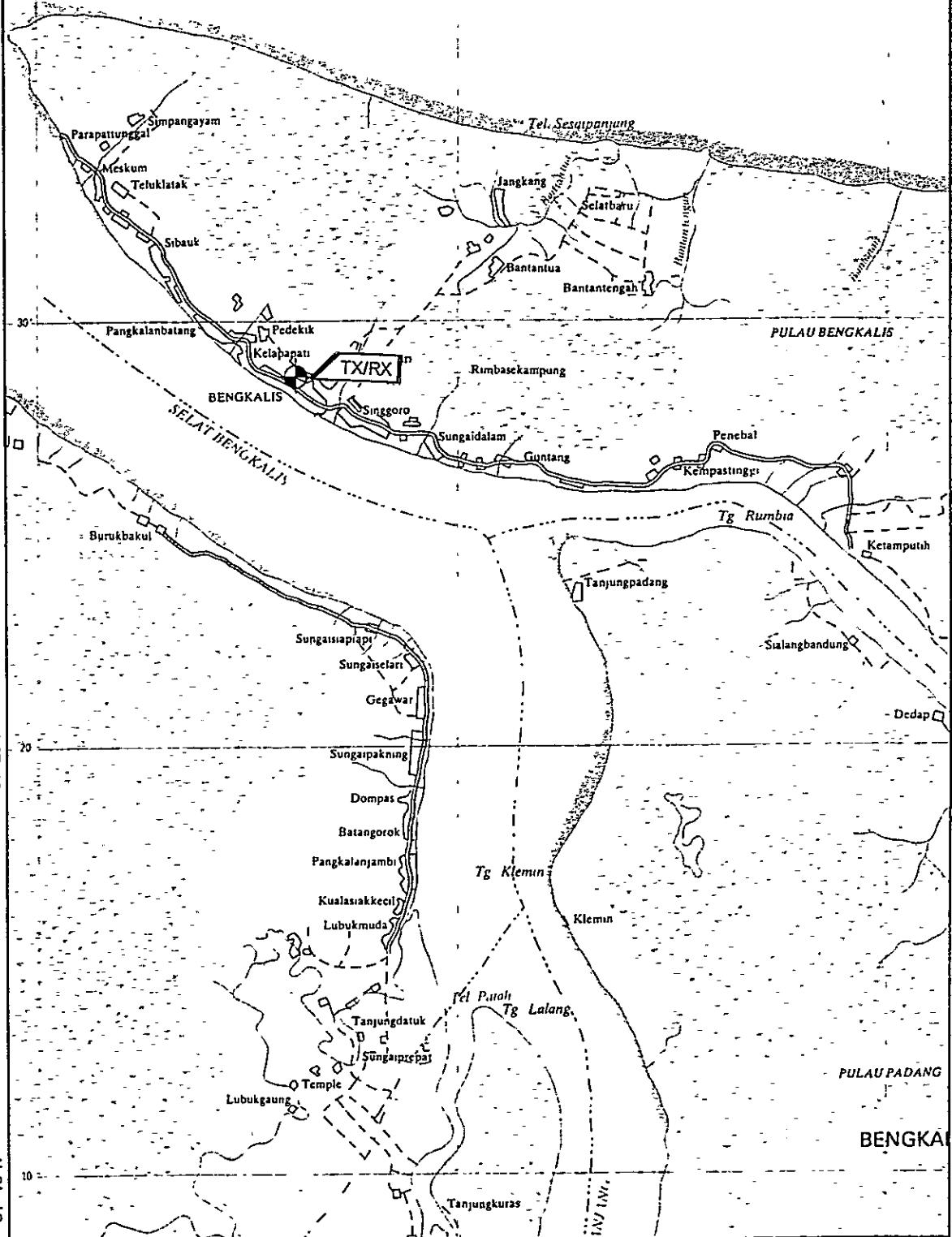
102° 10' E

102° 20' E

01° 30' N

01° 20' N

01° 10' N



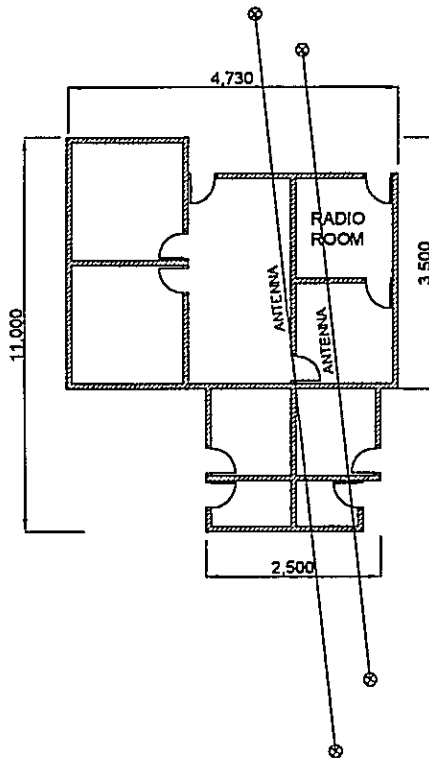
APPROVED BY JICA
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
July 03, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 250,000	BENGKALIS	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - B, K, S, - 0, 3, 0, - 1	



JL. HOS. COKROAMINOTO

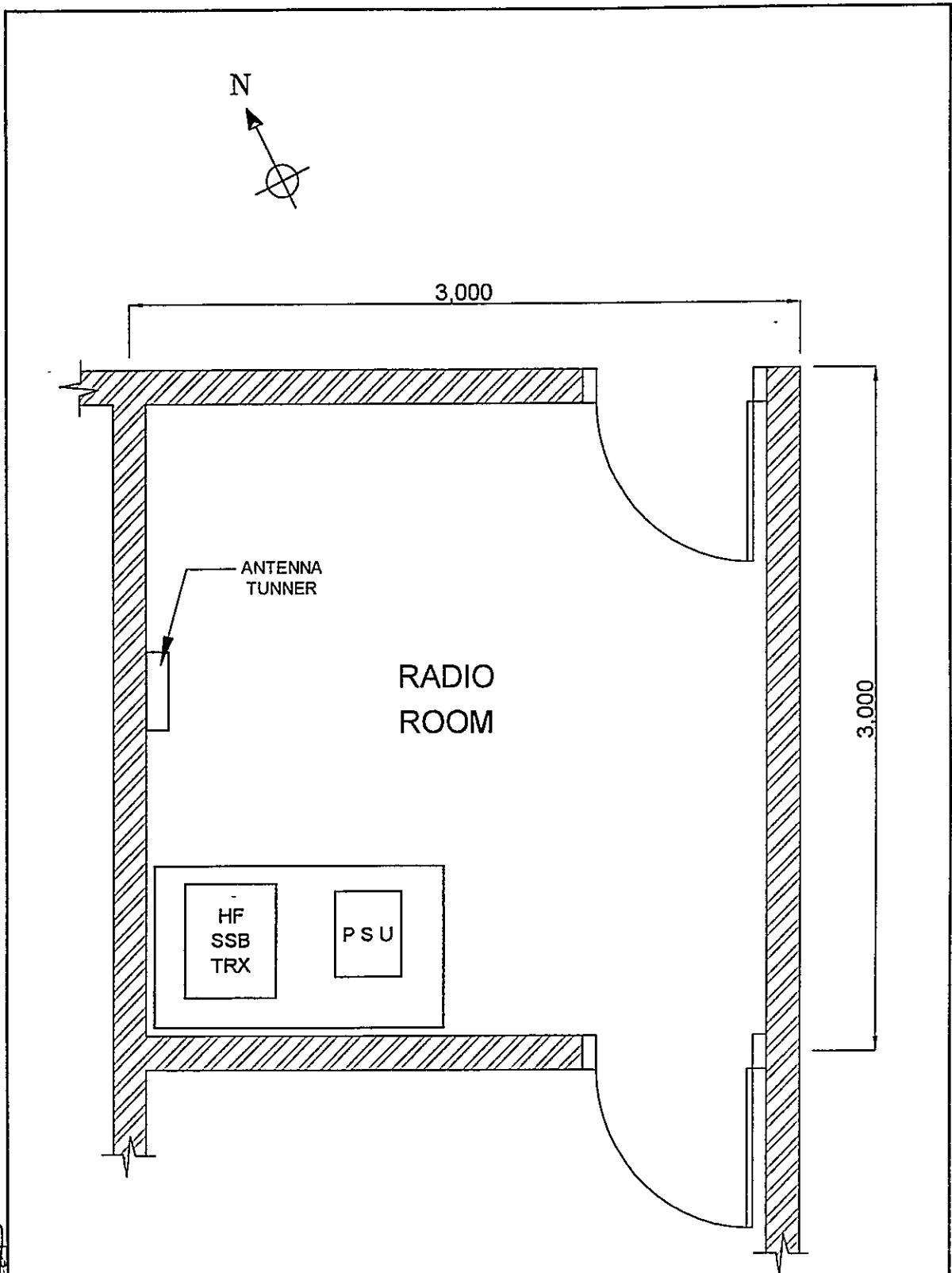
JL. JEND SUDIRMAN



SELAT BENGKALIS

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

DATE June 15, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO 1 / 1
SCALE 1 : 100	SITE NAME BENGKALIS	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - , B, K, S, - , 0, 3, 0, - , 2, 1	
	- PT. Aneka Asia Buana	



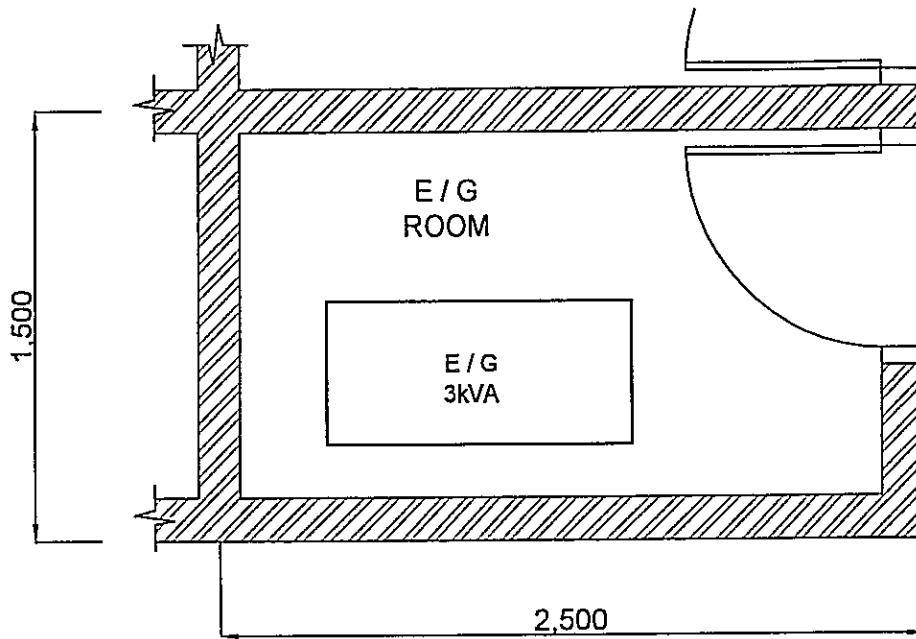
DRAWN BY AAB

APPROVED BY JICA

LEGEND

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

DATE June 15, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 100	SITE NAME BENGKALIS	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - , B, K, S, - , 0, 3, 0, - , 3,	
- PT. Aneka Asia Buana		

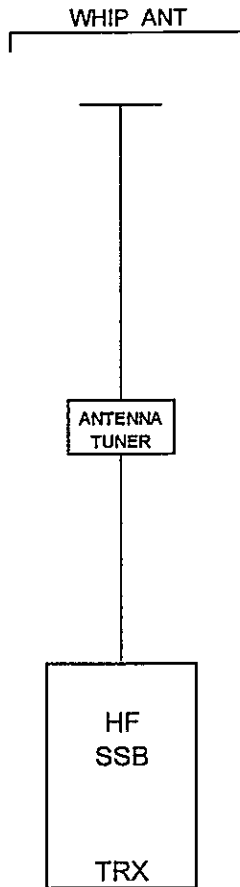




DRAWN BY AAB
 APPROVED BY JICA
[Signature]

LEGEND

E/G : ENGINE GENERATOR
 KVA . KILO VOLT AMPERE



DATE	DRAWING TITLE	SHEET NO
Sept 11, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 25	BENGKALIS	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - B, K, S, - 0, 3, 0, - 4, 1	
- PT. Aneka Asia Buana		

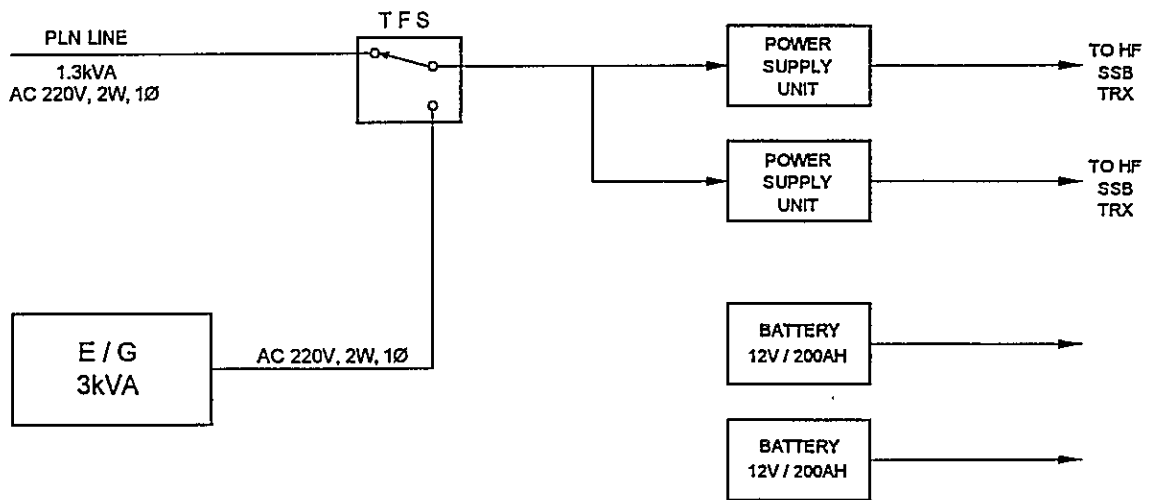


APPROVED BY JICA: 
 DRAWN BY AAB: 

LEGEND

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

DATE June 14, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME BENGKALIS	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, B, K, S, -, 0, 3, 0, -, 5,	
 -  PT. Aneka Asia Buana		



LEGEND

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

DRAWN BY AAB. APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO.
July 30, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	BENGKALIS	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, -, B, K, S, -, 0, 3, 0, -, 6,	
- PT. Aneka Asia Buana		

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

4th-A Class Coast Station Selat Panjang (Coast Station No. 31)

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	SELAT PANJANG		
	CLASS	4th-A	NO.	31

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan No 1, Selat Panjang			102° 43' 10" E	01° 01' 15" N

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Pekanbaru [Taking time: 2.00 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship to SPJ [Taking time: 4.00 hr]	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
	<input checked="" type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> None		

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

3.1 Site Conditions			
Topography	Nature of Soil	Past disaster of site	Confirmation of existing system
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> <input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input checked="" type="checkbox"/> Swampy	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/> <input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	10.00 M	Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	1,000 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	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	Wooden	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	220 V ± 10 %	Day tank	1 Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	5 k Liter
Room Area (m ²)		Power interruption /month	5 Times	E/G Stand-by System	
Operation room	24 00	Total interpt hours /month	5 Hours	<input checked="" type="checkbox"/> Single System	
E / G room	20 00	Max. interpt. hours at once	7 Hours	<input type="checkbox"/> Dual System	
Remark	One E/G can not operated.				

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS					
Actions taken in equipment failure									
Restoration flow	Maintenance			Chief					
Examples of major failure	Power Supply			Operator (skilled)	1 (1)				
Sufficiency of spares				Technician (skilled)					
Records of damages		Environmental Conditions		Administrator					
<input type="checkbox"/> Heavy rainfall		Good	Bad						
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/> External noises	Total					
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/> Air pollution						
<input type="checkbox"/> Other calamity									
Institutional and Human Statuses				Training Record					
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee	
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	Oru	Medan	1998	1	
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	Oru	Medan	1998		
4 Number of Operator	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough						
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough						
6 Capability of Operator	<input checked="" type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable						

SUMMARY OF COAST STATION	SITE	SELAT PANJANG		
	CLASS	4th-A	NO.	31

6. STATISTICAL COMMUNICATION TRAFFIC DATA

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

7. COMMENTS

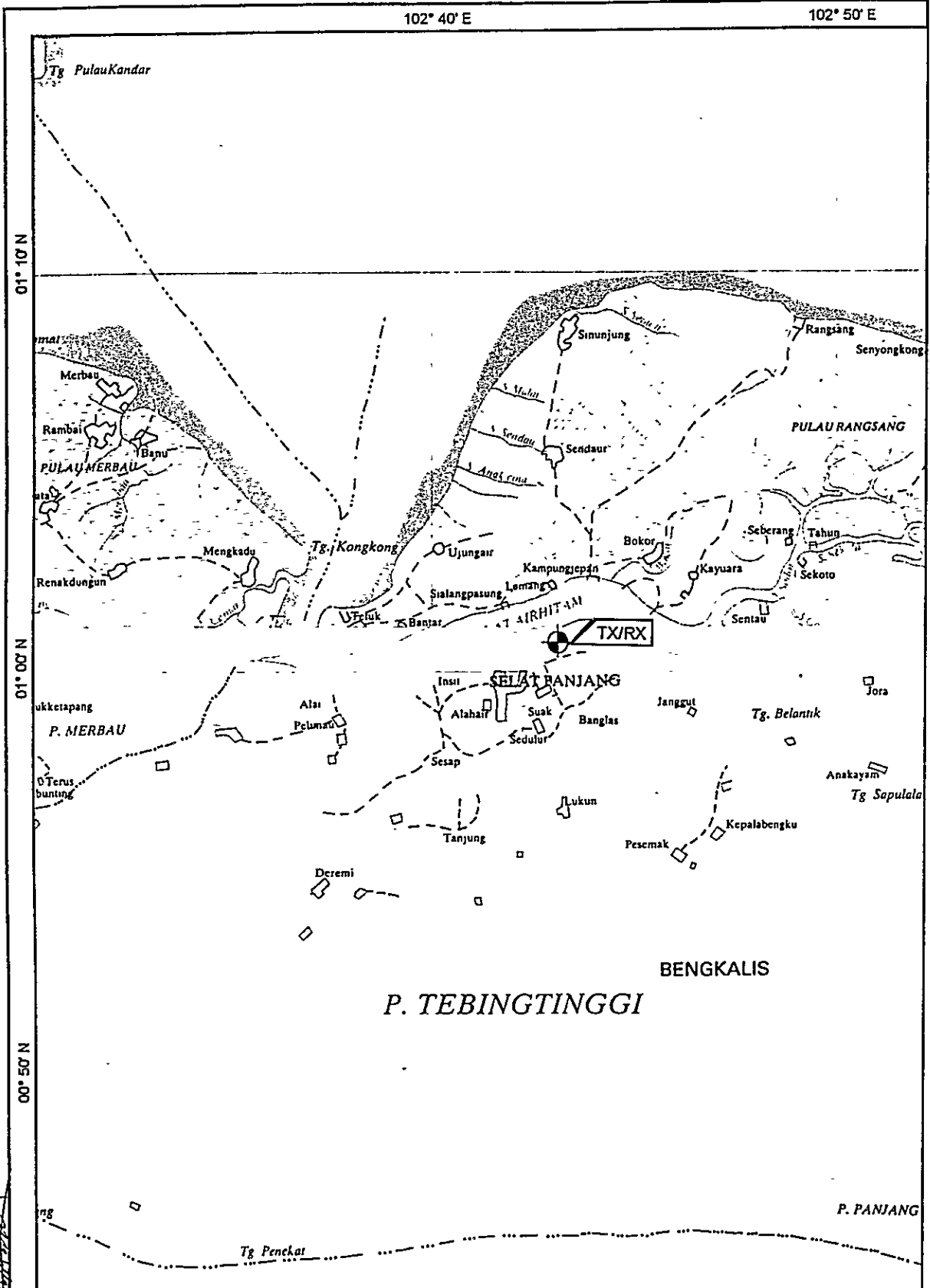
Suggestion	Request to have ch.70 VHF transceiver.
Remarks	

INVENTORY

Site Name: Selat Panjang

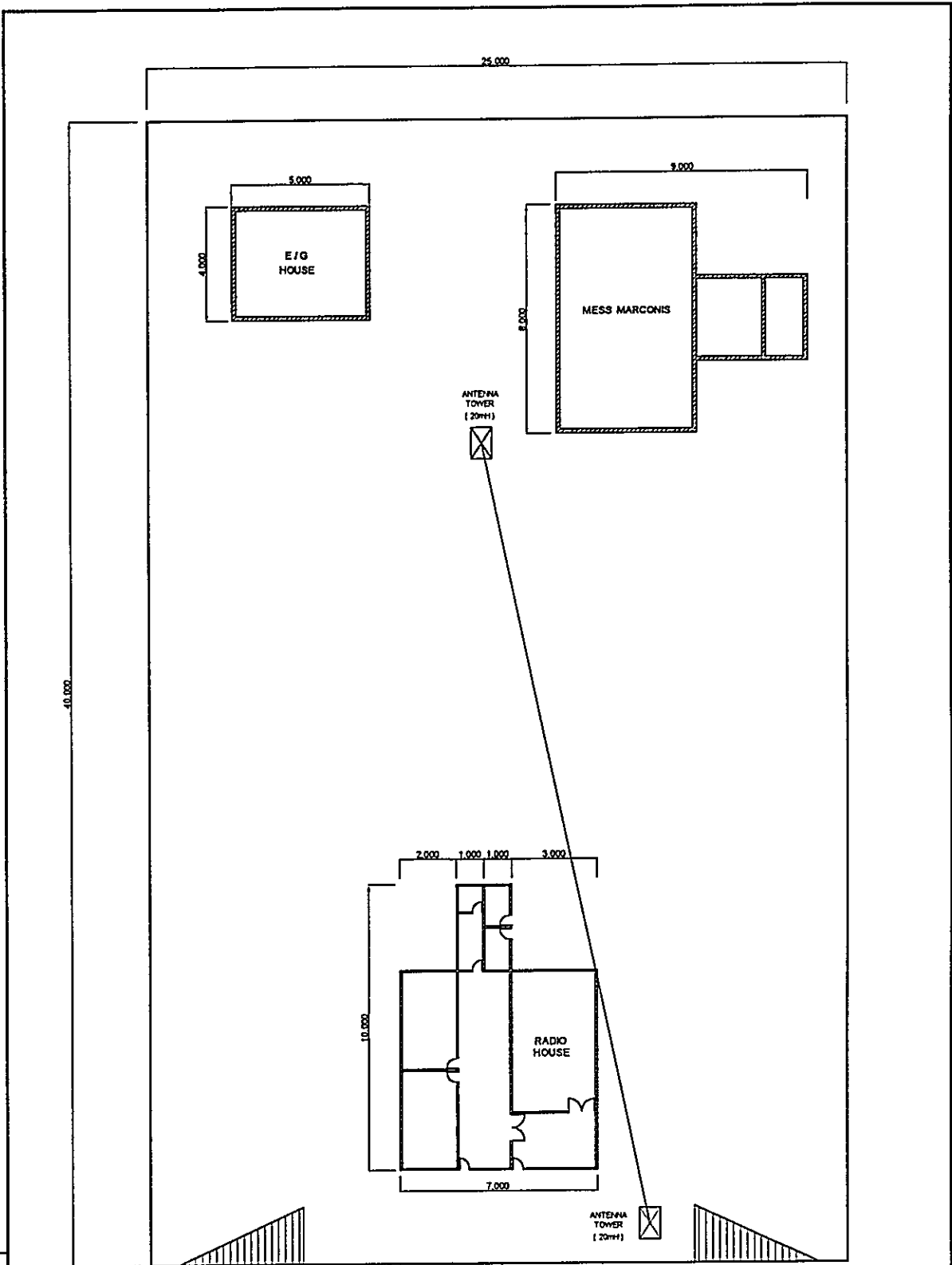
SPJ-031-(1/1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter	IC-M700	202811090	ICOM	1996			Good
1		SSB HF Transceiver	NTD-1772	007-4	INTI	1992			Good
2		SSB HF Transceiver	PYE-130	21082	Taiwan	1976			
3		SSB HF Transceiver							
1-2		VHF System	MEGA7800		Phillips	1976			
1		VHF Transceiver							
1-3		Receiver							
1		Receiver	NMR1030K	21082	Japan	1967			Damaged
2		Tower & Antenna System							
2-1		Tower & Mast							
1		20mH Antenna Tower (x2)				1996			Good
2-2		Antenna Switch							
1		Automatic Antenna Tuner	AT-1200	A.0631-N	Japan	1988			Good
2		Antenna Coupler	XW-49	007-40	INTI	1982			Good
3		Power Supply Equipment							
3-1		UPS & AVR							
1		DC Power Supply	SP-3500	782	Japan	1988			Good
2		Battery	NS-200	1607072	Japan	1996			Good
3		Battery Charger	GNT S/W	14695	Zellan				Damaged
4		Battery Charger	40 Charger		Y'guchi	1996			Good
5		Battery Charger	ABC		Japan	1987			Good
3-2		Engine Generator							
1		Engine Generator	R-175A/ST-3-TT	60236	MER XING XING	1996			Good
4		Measuring Equipment							
1		Mega Cycle Meter	159RF	873	USA	1974			Damaged
2		Signal Verfoiger	SV41	1024	Germany	1974			Damaged
3		Bridge Meter	BR3	5370-026	England	1974			Damaged
4		AVO Meter	AVO LTD	5140-211	England	1974			Damaged
5		Transistor Rufgerat Semi Test II		0059A02	Germany	1974			Damaged
5		Others							
1		Air Conditioner	ES-1803KF	05339187	Japan	1996			Good



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 APPROVED BY JICA:

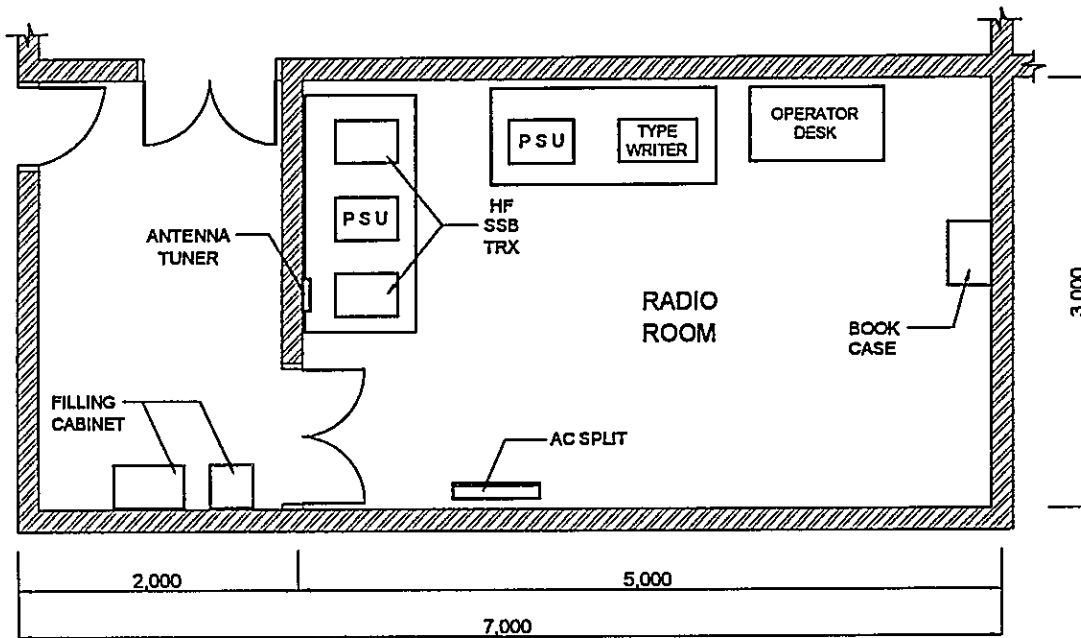
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July 03, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 250,000	SELAT PANJANG	
DIMENSION	DRAWING NO	
Meter	S, R, O, P, - S, P, J, - 0, 3, 1, - 1,	
- PT. Aneka Asia Buana		



DRAWN BY AIB

APPROVED BY JICA.

DATE June 15, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO 1 / 1
SCALE 1 : 200	SITE NAME SELAT PANJANG	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, P, J, -, 0, 3, 1, -, 2,	
	PT. Aneka Asia Buana	

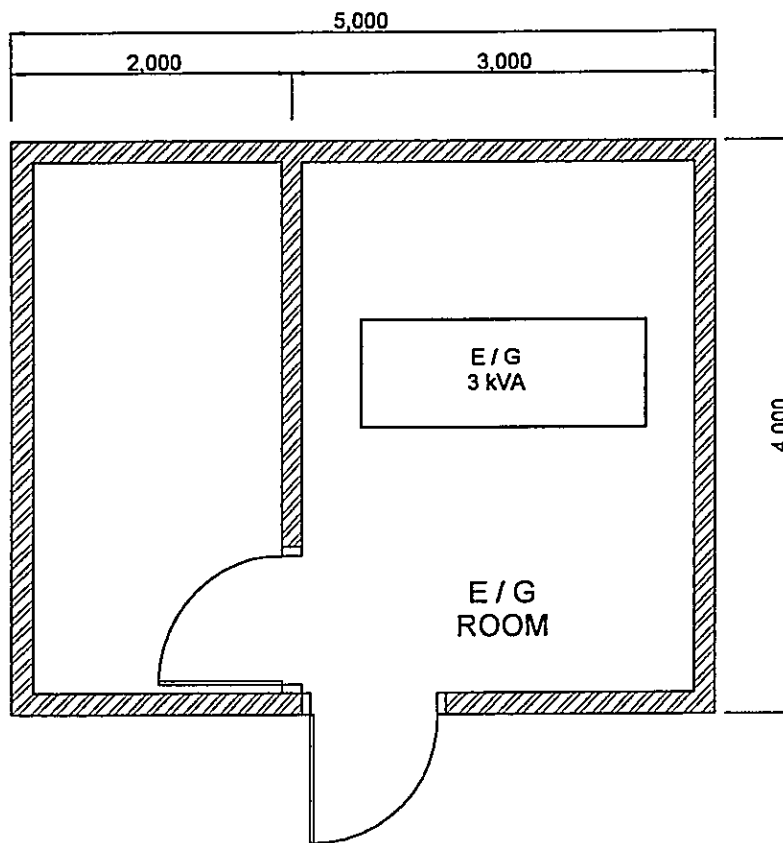


DRAWN BY AAR
 APPROVED BY JICA

LEGEND

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



DATE	JUNE 15, 2001	DRAWING TITLE	EQUIPMENT FLOOR LAYOUT	SHEET NO.	1 / 1
SCALE	1 : 50	SITE NAME	SELAT PANJANG		
DIMENSION	Milimeter	DRAWING NO.	S, R, O, P, - S, P, J, - 0 3, 1, - 3,		

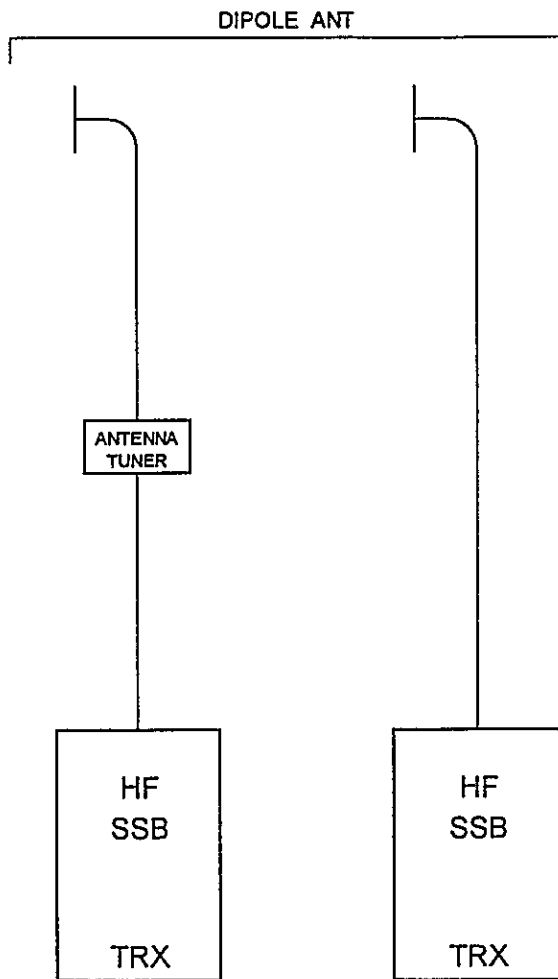


DRAWN BY AAB: 
 APPROVED BY JICA: 

LEGEND

E/G : ENGINE / GENERATOR
 KVA : KILO VOLT AMPERE

DATE June 15, 2001	DRAWING TITLE E/G FLOOR LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 50	SITE NAME SELAT PANJANG	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, P, J, -, 0, 3, 1, -, 4,	
 --  PT. Aneka Asia Buana		

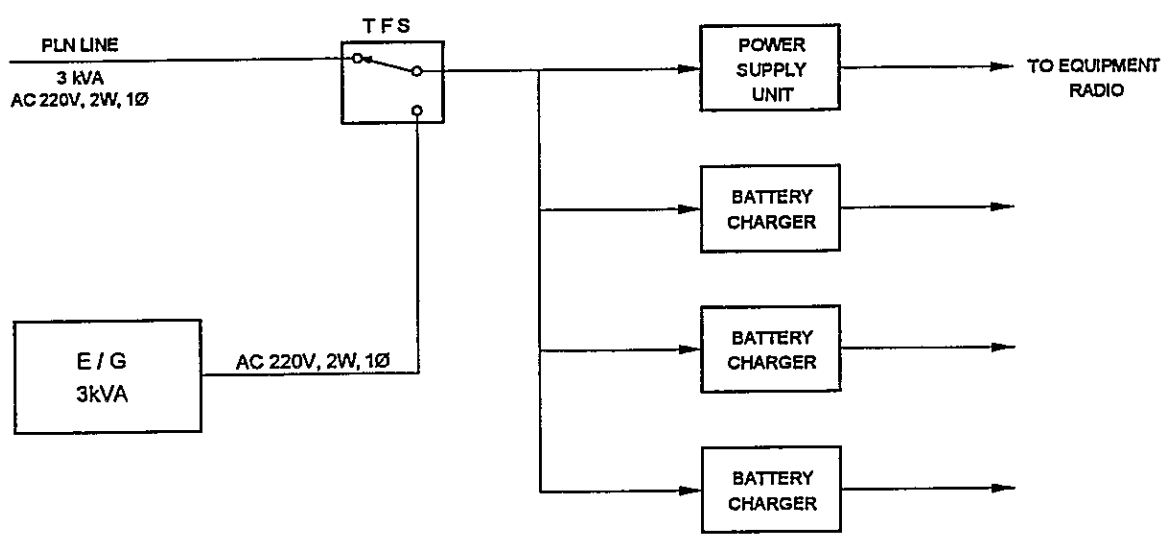


APPROVED BY JICA
 DRAWN BY AAB

LEGEND

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

DATE	JUNE 15, 2001	DRAWING TITLE	SYSTEM BLOCK DIAGRAM	SHEET NO.	1 / 1
SCALE	No Scale	SITE NAME			
		SELAT PANJANG			
DIMENSION	Milimeter	DRAWING NO.			
		S, R, O, P, -, S, P, J, -, 0, 3, 1, -, 5,			



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

DRAWN BY AAB
 APPROVED BY JICA:

DATE	DRAWING TITLE	SHEET NO
June 15, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	SELAT PANJANG	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, -, S, P, J, -, 0, 3, 1, -, 6, 1	
- PT. Aneka Asia Buana		

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

4th-A Class Coast Station Pekan Baru (Coast Station No. 32)

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	PEKAN BARU		
	CLASS	4th-A	NO.	32

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Kampung Dalam No. 1	22827	29404	101° 26' 37" E	00° 32' 24" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Pekanbaru [Taking time: 2:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	500,000
By Car	to Location [Taking time: 1:00 hr.]	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel	
		<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
			<input type="checkbox"/> None		

3. CONDITIONS OF 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	1.20 M		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	m ²		<input checked="" type="checkbox"/> 2 Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	1	<input type="checkbox"/> <input type="checkbox"/> Operations of AVR	
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	V ± %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m²)		Power interruption /month	4 Times	E/G Stand-by System	
Operation room	9.00	Total interpt. hours /month	5 Hours	<input type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	1 Hours	<input type="checkbox"/> Dual System	
Remark					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
Restoration flow	Maintenance			Chief		1		
Examples of major failure	power Supply and Antenna			Operator (skilled)		4 (2) 0		
Sufficiency of spares				Technician (skilled)		0 0		
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/> External noises	Total 5				
<input checked="" type="checkbox"/> Lightning	Antenna Tuner	<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	JKT	1994	1
3 Measuring eqpt /tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Oru	Oru	Medan	1998	1
4 Number of Operator	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input checked="" type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input checked="" type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	PEKAN BARU		
	CLASS	4th-A	NO.	32

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 telephone call as attached in accordance with the equipment list
Remarks	

INVENTORY

Site Name: Pekan Baru

PKB-032- (1 / 1)

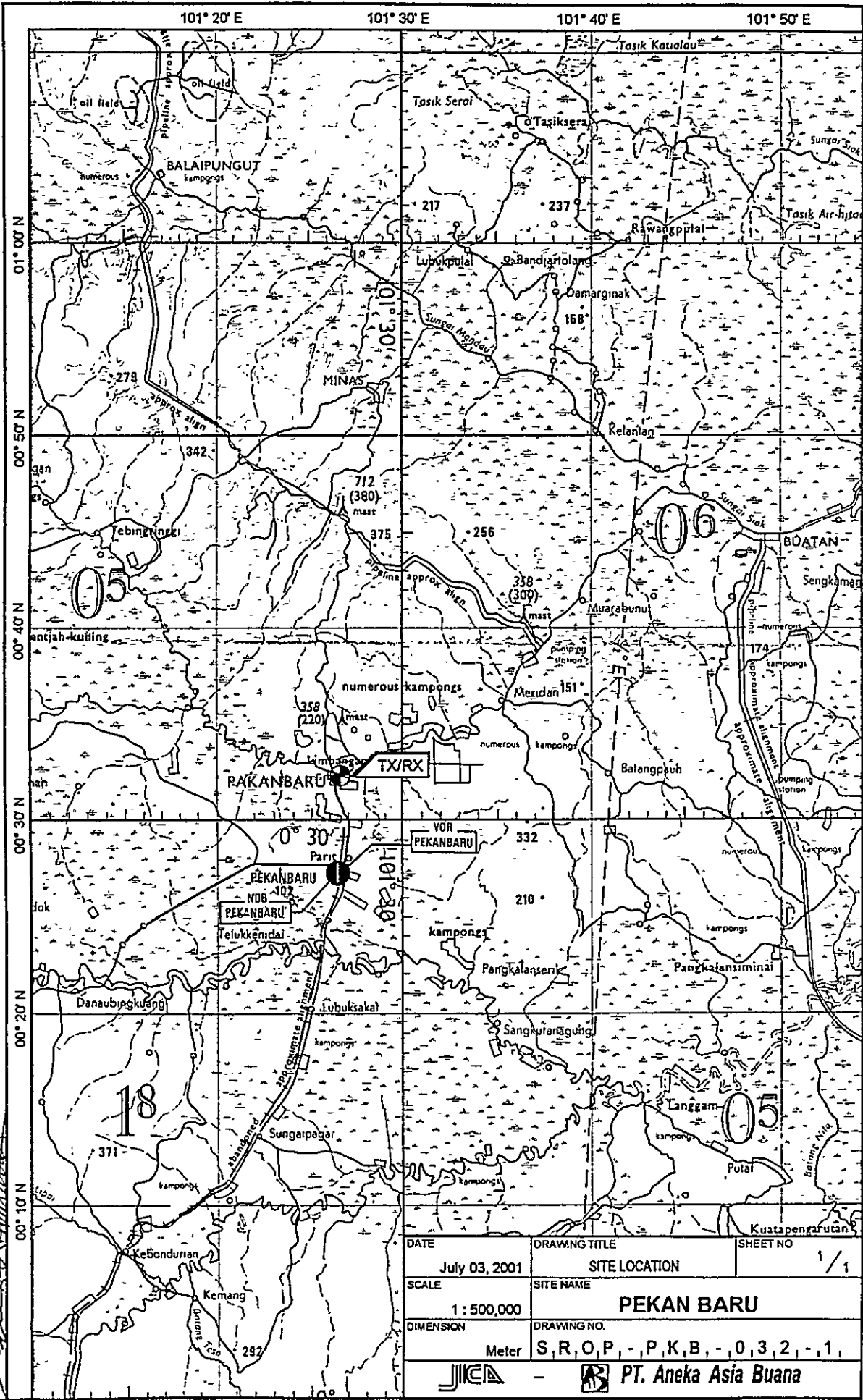
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		Transmitter	JSB-161	BS-24890	JRC	1991			Good
1-2		SSB Transmitter							Good
		VHF System							
		VHF Transmitter	FM-400	247660	Furuno	1989			
2		Tower & Antenna System							
2-1		Tower & Mast							
		Tower			Long Sail	1989			Good
2-2		Antenna Switch							
		Antenna Coupler	NFC-160	BS-24888	JRC	1989			Good
3		Power Supply Equipment							
3-1		Power Distribution Board							
		Power Supply	NBD-510	BS-24889	JRC	1989			Good
4		Measuring Equipment							
		Multi Tester	SP-200	-	Local	1993			Good
5		Others							
		Electro Tool Set	S-10	-	RRC	1995			Good
		Telex	A 100	22311	Siemens	1987			Good

STATUS OF TROUBLES

SITE NAME : PEKAN BARU

PKB-32-(1/1)

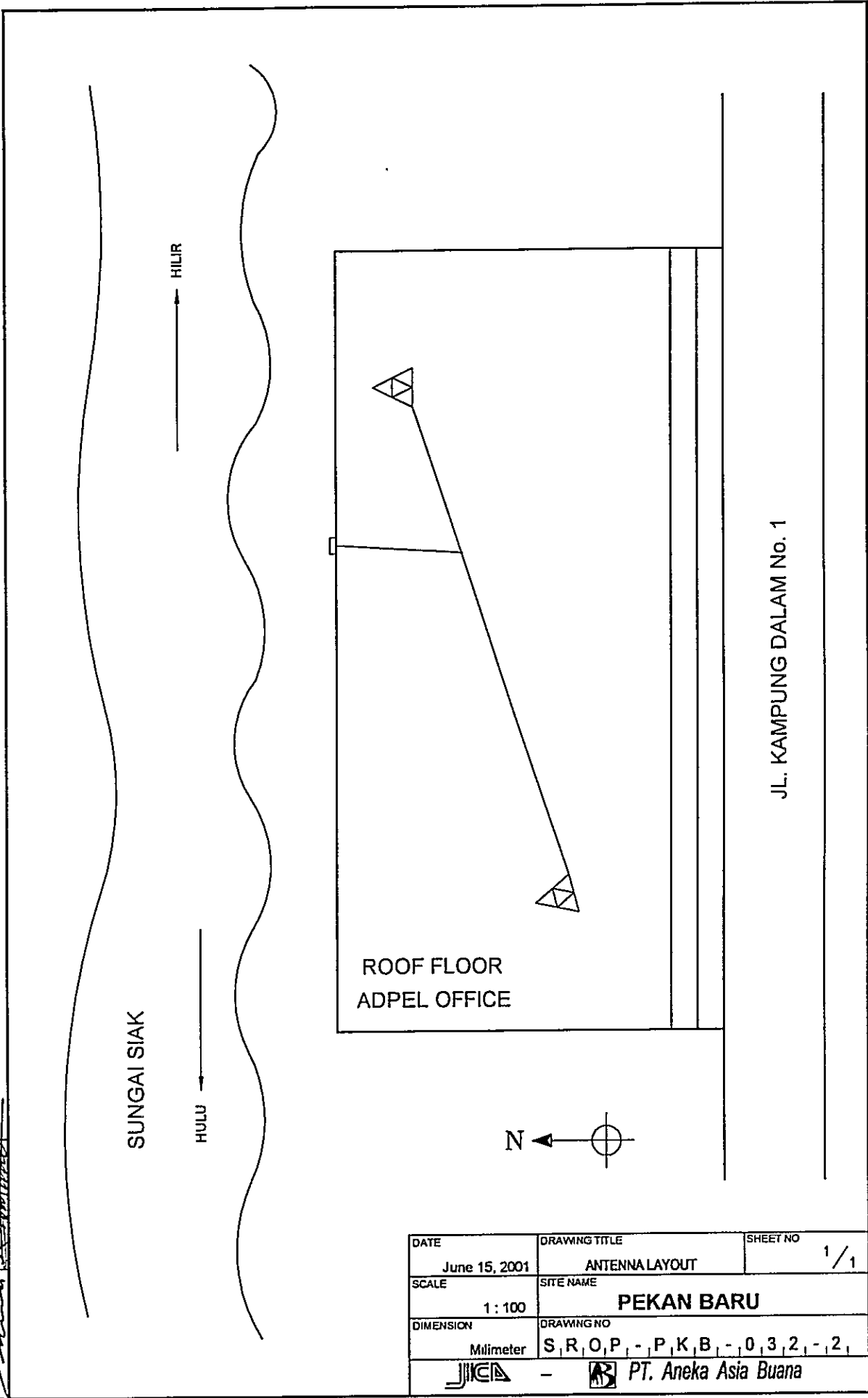
Item / Equipment	SSB Transceiver / -		
Manufacturer	JRC		
Manufacturer in year	1991		
Defective panel / unit	Antenna Tuner		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input checked="" type="checkbox"/> Aging		Repairing to be:
	<input checked="" type="checkbox"/> Lightning		<input checked="" type="checkbox"/> Immediacy
	<input checked="" type="checkbox"/> Corrosion		<input type="checkbox"/> By next year budget
	<input checked="" type="checkbox"/> Lack of Spares		<input type="checkbox"/> By next project
	<input type="checkbox"/> Others		<input type="checkbox"/> Unnecessary
<u>General Comment for Maintenance:</u>			
Request for new equipment completed by Antenna and Antenna Tuner			



DRAWN BY AAR. APPROVED BY JICA.

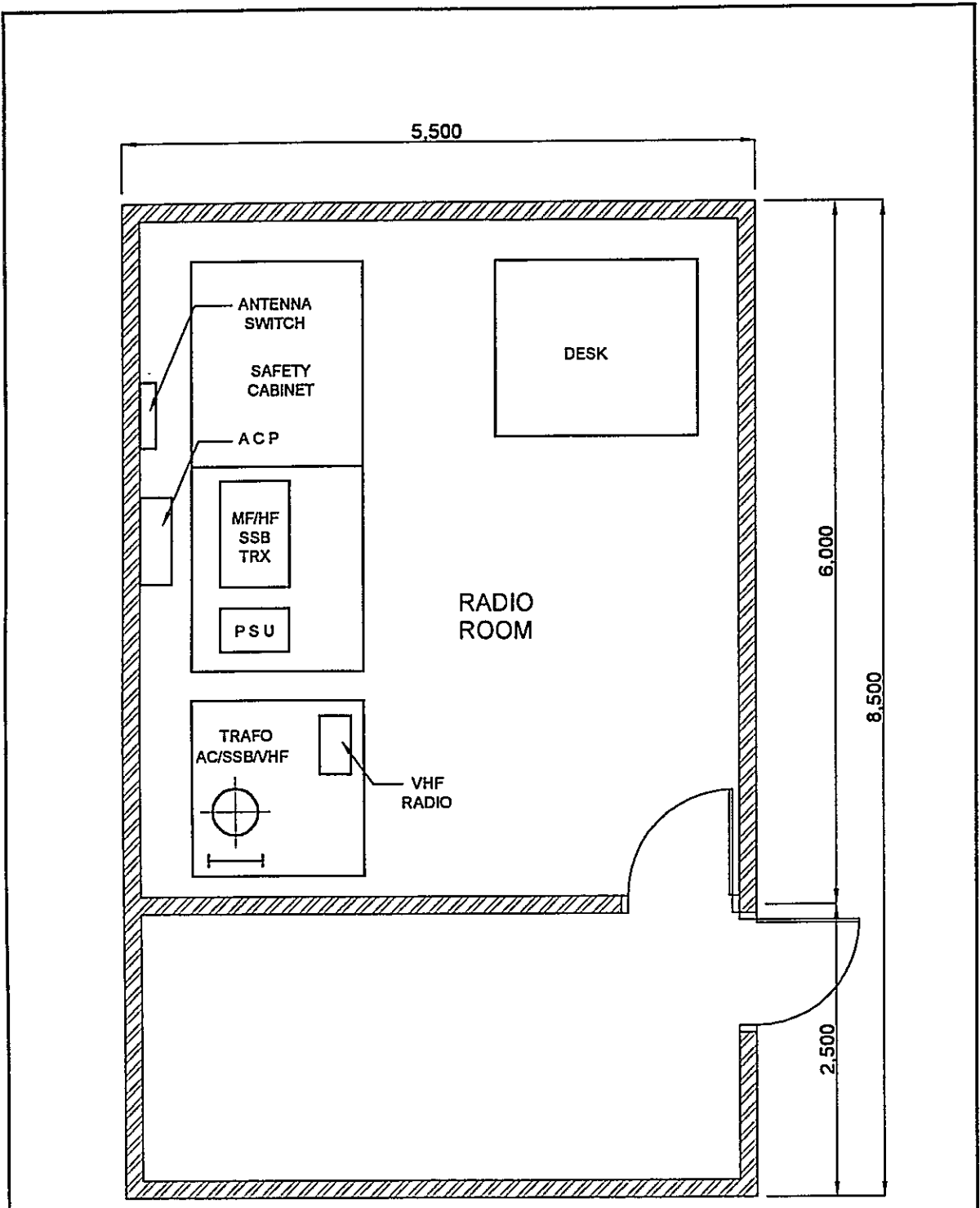
DATE	July 03, 2001	DRAWING TITLE	SITE LOCATION	SHEET NO	1 / 1
SCALE	1 : 500,000	SITE NAME	PEKAN BARU		
DIMENSION	Meter	DRAWING NO.	S, R, O, P, - P, K, B, - 0, 3, 2, - 1,		

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



JL. KAMPUNG DALAM No. 1

DATE June 15, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO 1/1
SCALE 1 : 100	SITE NAME PEKAN BARU	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, P, K, B, -, 0, 3, 2, -, 2,	
- PT. Aneka Asia Buana		

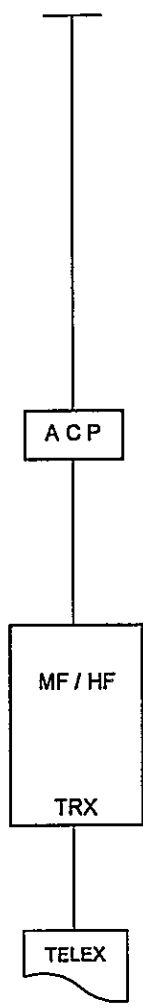


DRAWN BY: AIB
 APPROVED BY: JICA

DATE	June 15, 2001	DRAWING TITLE	EQUIPMENT FLOOR LAYOUT	SHEET NO	1 / 1
SCALE	1 : 50	SITE NAME	PEKAN BARU		
DIMENSION	Millimeter	DRAWING NO.	S, R, O, P, - , P, K, B, - , 0, 3, 2, - , 3, 1		

MF/HF ANT

VHF ANT

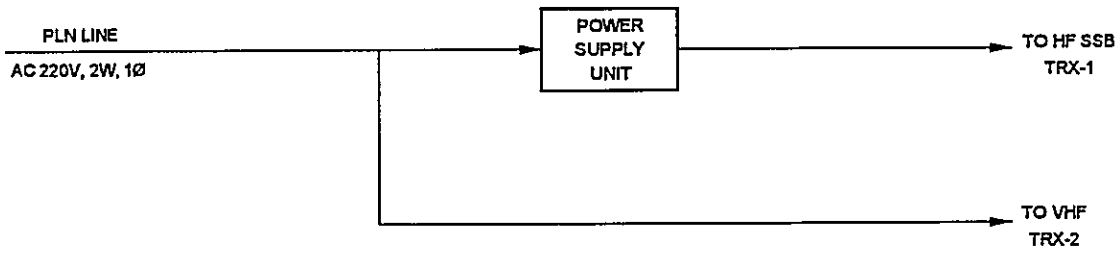


LEGEND

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

DRAWN BY AAB.
 APPROVED BY JICA.
[Signature]

DATE	DRAWING TITLE	SHEET NO.
June 15, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	PEKAN BARU	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, -, P, K, B, -, 0, 3, 2, -, 5	
- PT. Aneka Asia Buana		



LEGEND

- AC : ALTERNATING CURRENT
- HF : HIGH FREQUENCY
- TRX : TRANSCEIVER (ING)
- V : VOLT
- VHF : VERY HIGH FREQUENCY
- W : WIRE
- Ø : PHASE

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

DATE July 27, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME PEKAN BARU	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, P, K, B, -, 0, 3, 2, -, 6, 1	
- PT. Aneka Asia Buana		

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

4th-A Class Coast Station Rengat (Coast Station No. 33)

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	RENGAT	
				CLASS	4th-A	NO.
						33

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Raya Rengat - Tembilahan			102° 41' 10" E	00° 28' 29" S

2. GENERAL CONDITIONS					
	Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Pekanbaru [Taking time: 2:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	30,000
By Car	to Rengat [Taking time: 4:00 hr.]	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel	
		<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions				
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> <input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/> <input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	12.00 M		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	1,000 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	One	Voltage	V	220 V	Good Bad
Structure	Concrete	Phase		1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire		2	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA		3	<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 10 Liter
Flooring	Tile	Availability of power per day	Hours	Main tank	k Liter
Room Area (m²)		Power interruption /month	Times	E/G Stand-by System	
Operation room	36.00	Total interpt. hours /month	Hours	<input checked="" type="checkbox"/> Single System	
E / G room	20.00	Max interpt. hours at once	Hours	<input type="checkbox"/> Dual System	
Remark	PLN Source does not available				

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

SUMMARY OF COAST STATION	SITE	RENGAT		
	CLASS	4th-A	NO.	33

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 new VHF Multi Channel Transceiver completed with Antenna and Tuner
Remarks	

INVENTORY

Site Name: Rengat

RGT-033- (1 / 1)

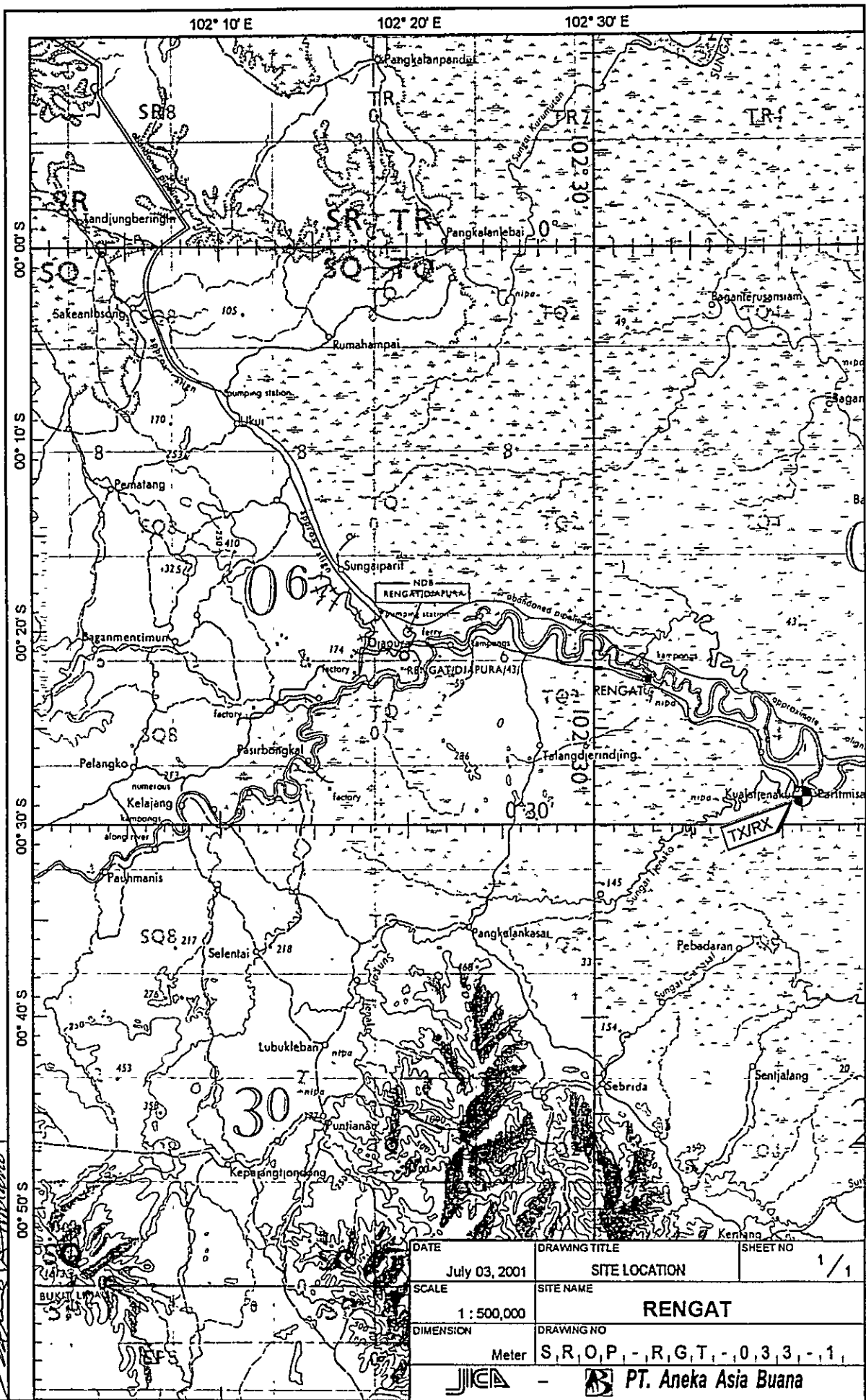
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System	NTD	177Z-017-32	NTD	1979			Damaged
1		HF SSB Transceiver	MX.1200	32866	INCONAV	1984			Good
2		HF SSB Transceiver							
2		Tower & Antenna System							
2-1		Antenna System	3W-T Type			1979			Good
1		HF Antenna							
3		Power Supply Equipment							
3-1		PSU & UPS	AK.3030 AV		AKAI	1979			Good
1		DC Power supply							
3-2		Engine Generator	ST-3-4	10110	Yanmar	1979			Good
1		3 kVA Engine Generator							
4		Others							
1		Air Conditioner 0.75 PK		51113600	National	1996			Good

STATUS OF TROUBLES

SITE NAME : RENGAT

RGT-33-(1/1)

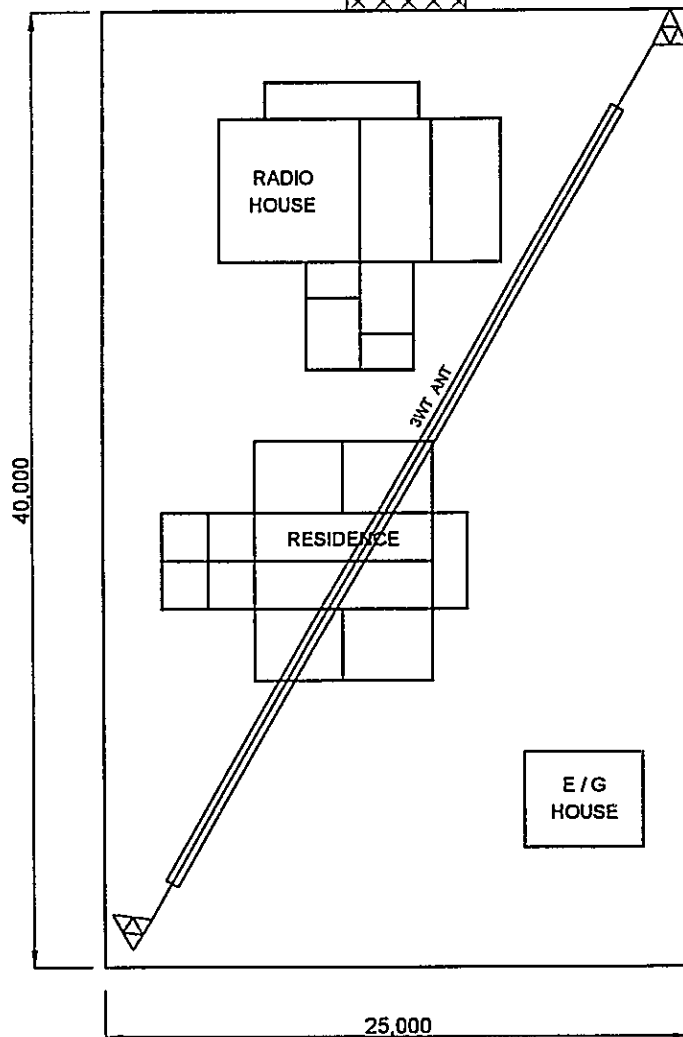
Item / Equipment	SSB Transceiver / -		
Manufacturer	Iconav		
Manufacturer in year	1984		
Defective panel / unit	Emission damaged		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input checked="" type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input checked="" type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input checked="" type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input checked="" type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
The equipment is often damage and spare part is un-available also it has been aged Request for new SSB Transceiver completed by antenna and antenna tuner			



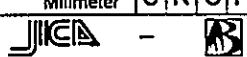
DRAWN BY AAB
 APPROVED BY JICA

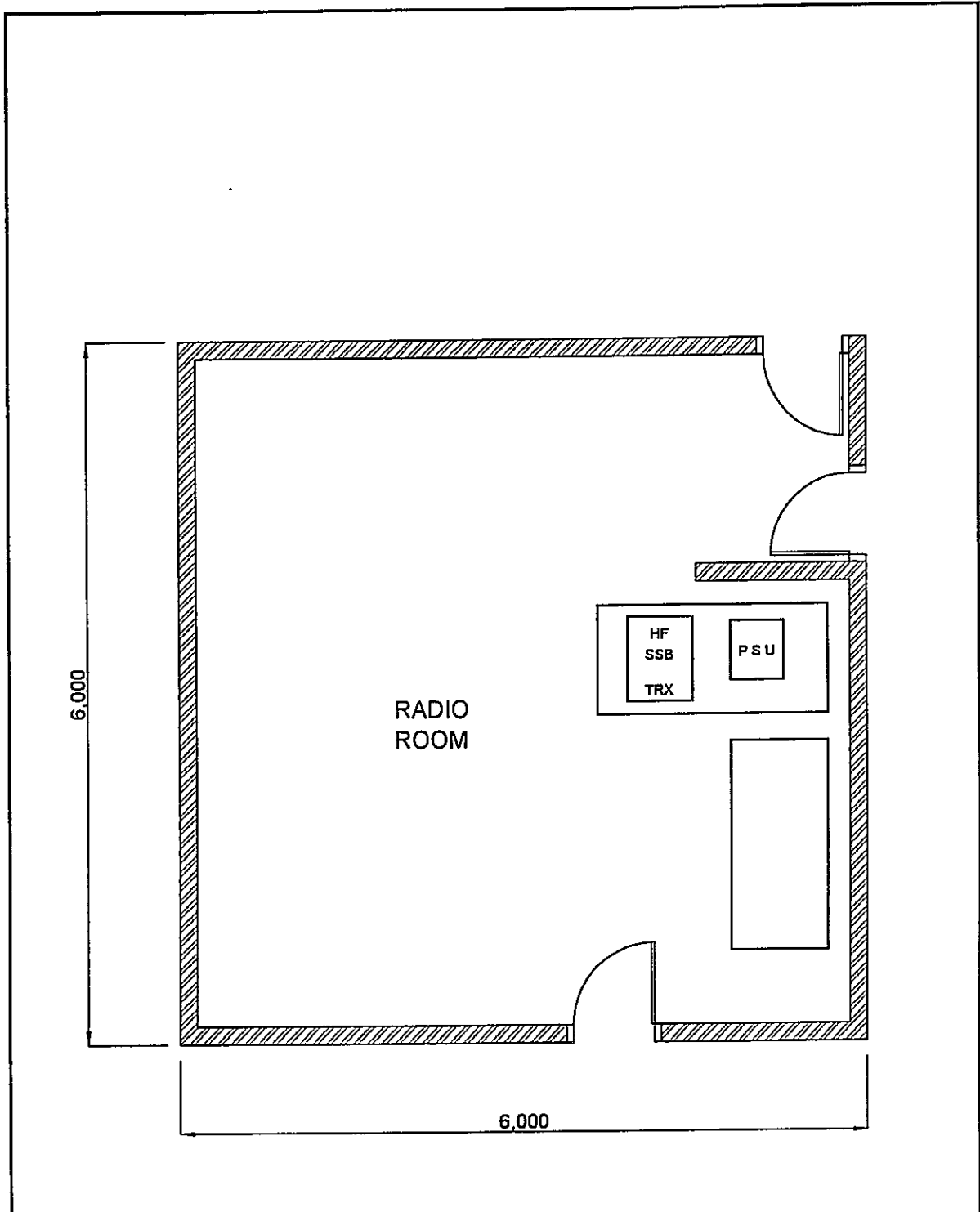
DATE	July 03, 2001	DRAWING TITLE	SITE LOCATION	SHEET NO	1 / 1
SCALE	1 : 500,000	SITE NAME	RENGAT		
DIMENSION	Meter	DRAWING NO	S, R, O, P, - , R, G, T, - , 0, 3, 3, - , 1,		

JL. RAYA RENGAT - TEMBILAHAN KM 24 KUALA



DRAWN BY AAR
 APPROVED BY ZICA

DATE	DRAWING TITLE	SHEET NO
June 15, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 300	RENGAT	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, -, R, G, T, -, 0, 3, 3, -, 2, 1	
 PT. Aneka Asia Buana		



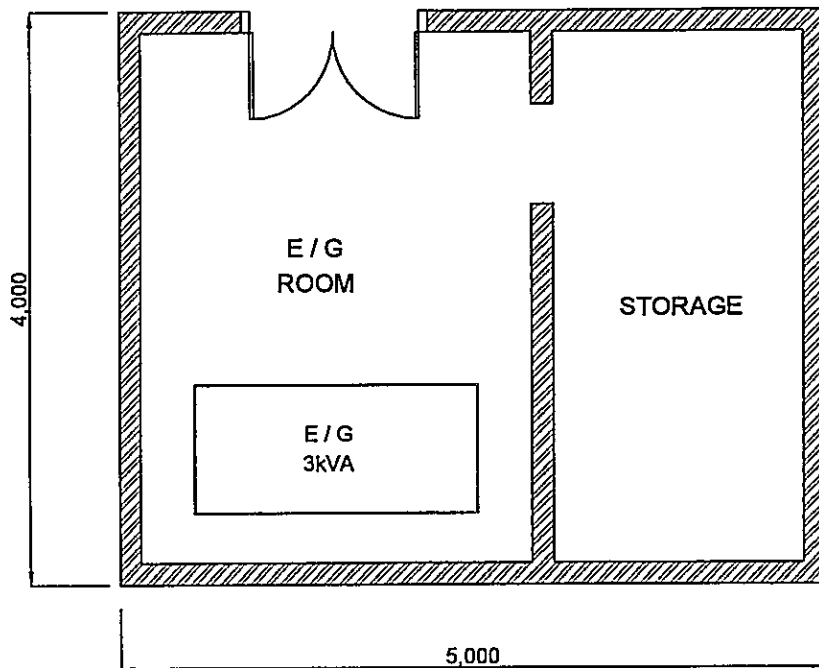
DRAWN BY AAB

APPROVED BY JICA:

LEGEND

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

DATE June 15, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME RENGAT	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, R, G, T, -, 0, 3, 3, -, 3, 1	
- PT. Aneka Asia Buana		





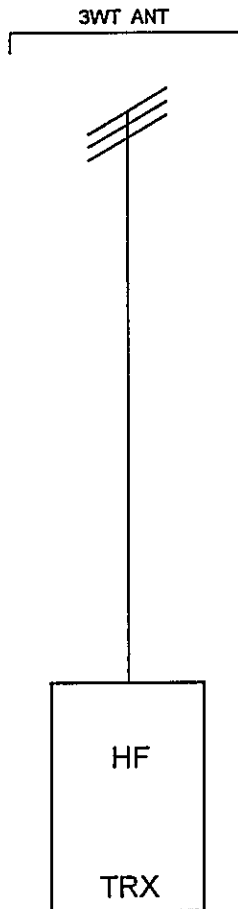
DRAWN BY AAB

APPROVED BY JICA

LEGEND

E/G : ENGINE / GENERATOR
 KVA : KILO VOLT AMPERE

DATE	DRAWING TITLE	SHEET NO
June 15, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	RENGAT	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P - R, G, T - 0, 3, 3 - 4, 1	
 -  PT. Aneka Asia Buana		

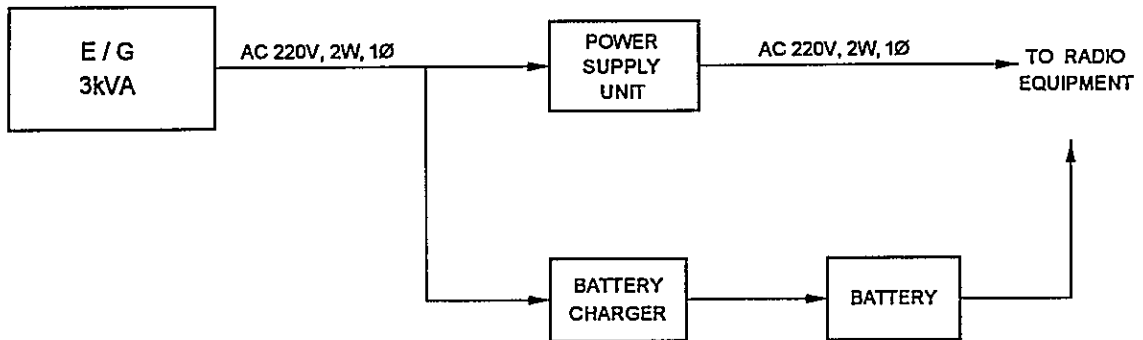


DRAWN BY AAB
 APPROVED BY JICA
[Signature]

LEGEND

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- WT : WIRE T TYPE

DATE June 15, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME RENGAT	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, R, G, T, -, 0, 3, 3, -, 5,	
- PT. Aneka Asia Buana		



LEGEND

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

DRAWN BY A.A.B.
 APPROVED BY JCA
[Signature]

DATE	DRAWING TITLE	SHEET NO
July 27, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	RENGAT	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, -, R, G, T, -, -, 0, 3, 3, -, -, 6,	

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

4th-B Class Coast Station Pulau Kijang (Coast Station No. 34)

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	PULAU KIJANG		
	CLASS	4th-B	NO.	34

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

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
		<input type="checkbox"/> None		

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

3.1 Site Conditions			
Topography	Nature of Soil		Past disaster of site
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		
Altitude	M	Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	m²	<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	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 (m²)	Power interruption /month		Times	E/G Stand-by System
Operation room	Total interpt. hours /month		Hours	<input type="checkbox"/> Single System
E / G room	Max interpt. hours at once		Hours	<input type="checkbox"/> Dual System

Remark	Pulau Kijang Station has been removed to Kuala Enok Station
---------------	---

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	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	PULAU KIJANG		
	CLASS	4th-B	NO	34

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

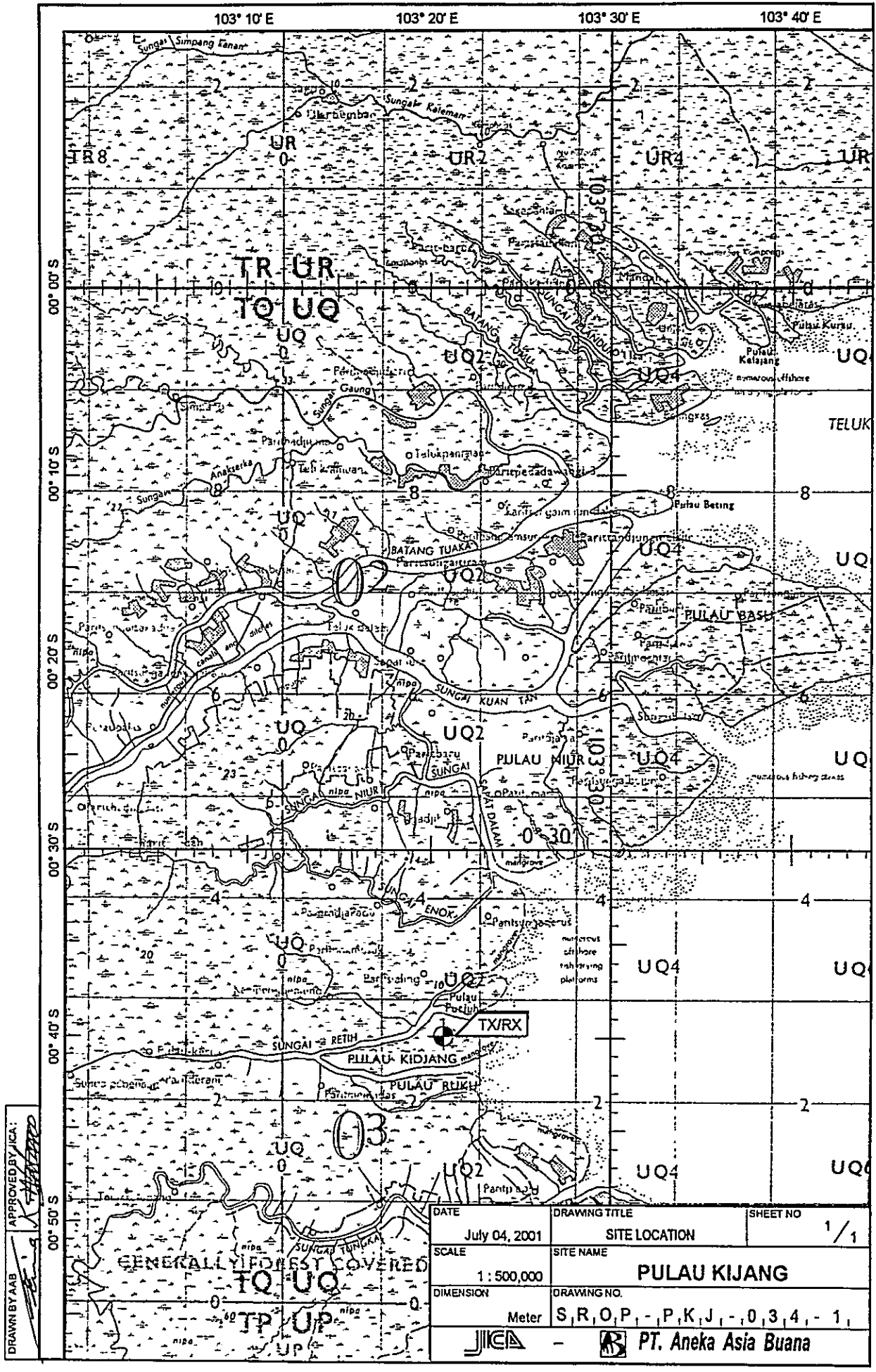
Suggestion	
Remarks	



INVENTORY

Site Name: Pulau Kijang

PKJ-034- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
Data not Available because Coast Station doesn't exist or Name only									



APPROVED BY JICA: 
 DRAWN BY AAB: 

GENERALLY FOREST COVERED

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

4th-B Class Coast Station Kuala Enok (Coast Station No. 35)

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	KUALA ENOK		
	CLASS	4TH-B	NO.	35

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan No. 1	22363, 22218	22363	103° 23' 07" E	00° 36' 06" S

2. GENERAL CONDITIONS					
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population	
By Air to Pekanbaru (Taking time: 2.00 hr.)	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	20,000	
By Car to Tembilahan (Taking time: 7.00 hr.)	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel		
By Boat to Kuala Enok (Taking time: 1.00 hr.)	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/> Towers (Masts)	
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> Grounding system	
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/> Lightning system	
Altitude	12.00 M		Telephone Lines	<input checked="" 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	220 V	Good Bad	
Structure	Concrete	Phase	1	<input type="checkbox"/>	<input checked="" type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	<input type="checkbox"/>	<input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA		<input type="checkbox"/>	<input type="checkbox"/> Operations of AVR
Type of wall	Concrete	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	Man tank	k Liter
Room Area (m ²)		Power interruption /month	5 Times	E/G Stand-by System	
Operation room	6.00	Total interpt. hours /month	10 Hours	<input type="checkbox"/>	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	8 Hours	<input type="checkbox"/>	<input type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE	5. PERSONNEL FORMATIONS
Actions taken in equipment failure	
Restoration flow	Maintenance/Repairing
Examples of major failure	Power Supply
Sufficiency of spares	
Records of damages	
<input type="checkbox"/> Heavy rainfall	Environmental Conditions
<input type="checkbox"/> Storm	Good Bad
<input type="checkbox"/> Lightning	<input checked="" type="checkbox"/> External noises
<input type="checkbox"/> Other calamity	<input checked="" type="checkbox"/> Air pollution
Institutional and Human Statuses	
1 Budget	<input type="checkbox"/> Sufficient <input type="checkbox"/> Reasonable <input checked="" type="checkbox"/> Insufficient
2 Spares	<input type="checkbox"/> Enough <input type="checkbox"/> Reasonable <input checked="" type="checkbox"/> Not enough
3 Measuring eqpt /tools	<input type="checkbox"/> Enough <input type="checkbox"/> Reasonable <input checked="" type="checkbox"/> Not enough
4 Number of Operator	<input checked="" type="checkbox"/> Enough <input type="checkbox"/> Reasonable <input type="checkbox"/> Not enough
5 Number of Technician	<input type="checkbox"/> Enough <input type="checkbox"/> Reasonable <input checked="" type="checkbox"/> Not enough
6 Capability of Operator	<input type="checkbox"/> Skilled <input type="checkbox"/> Not so bad <input checked="" type="checkbox"/> Not capable
7 Capability of Technician	<input checked="" type="checkbox"/> Skilled <input type="checkbox"/> Not so bad <input type="checkbox"/> Not capable
Training Record	
	Administrator
	Total
	1
	TX/RX
	Chief
	1
	Operator (skilled)
	0
	0
	Technician (skilled)
	0
	0
	Course
	Class
	Location
	Period
	Trainee
	Operator
	Oru
	Medan
	1998
	1

SUMMARY OF COAST STATION	SITE	KUALA ENOK		
	CLASS	4TH-B	NO.	35

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

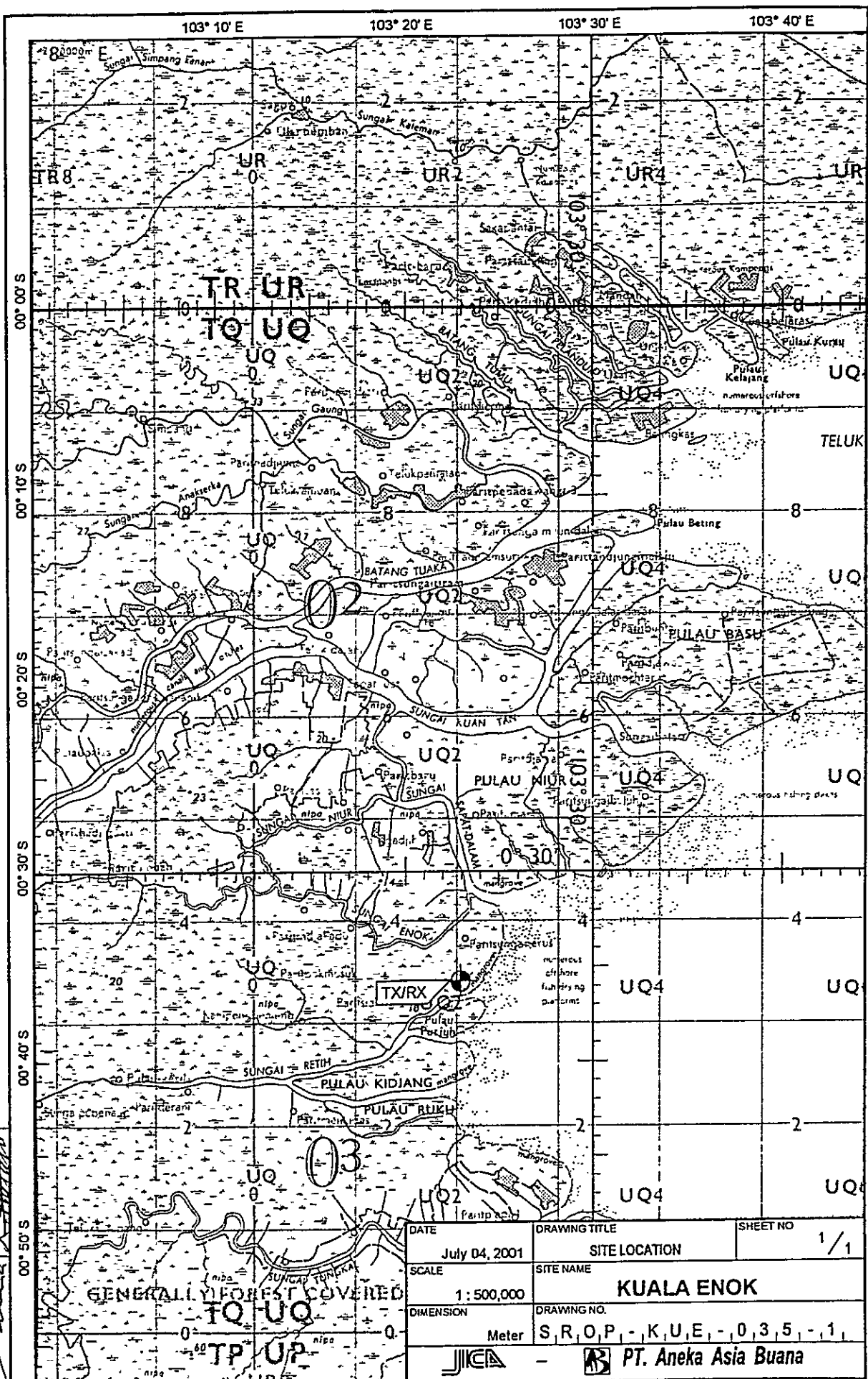
Suggestion	Be considered that ocean going port has been built in Kuala Enok and cause increasing number of ships whether local or foreign. Kuala Enok Coast Station doesn't yet hold any mobile call sign, therefore only capable to operate at fixed Frequency Request for new DSC VHF CH.70
Remarks	

STATUS OF TROUBLES

SITE NAME : KUALA ENOK

KUE-35-(1/1)

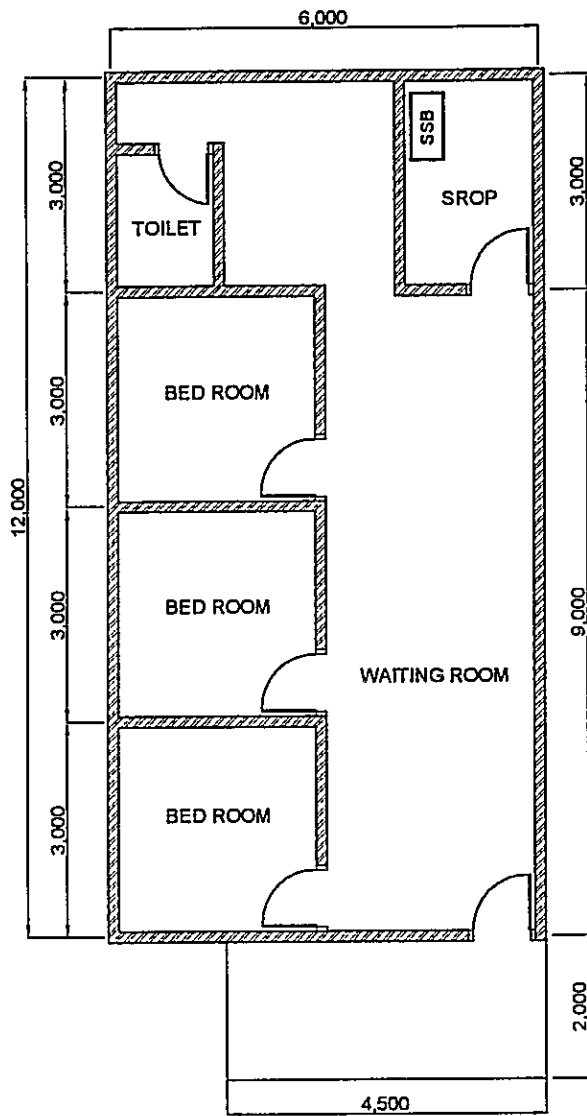
Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u>			
For the time being is using Adpel's Kuala Enok SSB Transceiver, for the above result request for new All Band SSB Transceiver completed by Antenna Tower.			



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

GENERALLY FOREST COVERED

DATE	DRAWING TITLE	SHEET NO
July 04, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	KUALA ENOK	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - K, U, E, - 0, 3, 5, - 1,	
JICA	PT. Aneka Asia Buana	



DRAWN BY A.A.B. APPROVED BY JICA

DATE	JUNE 14, 2001	DRAWING TITLE	EQUIPMENT FLOOR LAYOUT	SHEET NO.	1/1
SCALE	1:100	SITE NAME	KUALA ENOK		
DIMENSION	Milimeter	DRAWING NO.	S, R, O, P, - K, U, E, - 0, 3, 5, - 3, 1		
		PT. Aneka Asia Buana			

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

4th-B Class Coast Station Sungai Guntung (Coast Station No. 36)

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	SUNGAI GUNTUNG		
	CLASS	4th-B	NO.	36

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

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
		<input type="checkbox"/> None		

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

3.1 Site Conditions				
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> <input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> <input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input type="checkbox"/> <input checked="" type="checkbox"/> Lightning system
Altitude	M		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	m²		<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 (m²)	Power interruption /month	Times	E/G Stand-by System	
Operation room	Total interpt hours /month	Hours	<input type="checkbox"/> Single System	
E / G room	Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System	
Remark	Name only			

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure				TX/RX				
Restoration flow				Chief				
Examples of major failure				Operator (skilled)	0	0		
Sufficiency of spares				Technician (skilled)	0	0		
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall				Good	Bad			
<input type="checkbox"/> Storm				<input type="checkbox"/>	<input checked="" type="checkbox"/> External noises	Total		
<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	SUNGAI GUNTUNG		
	CLASS	4th-B	NO.	36

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			

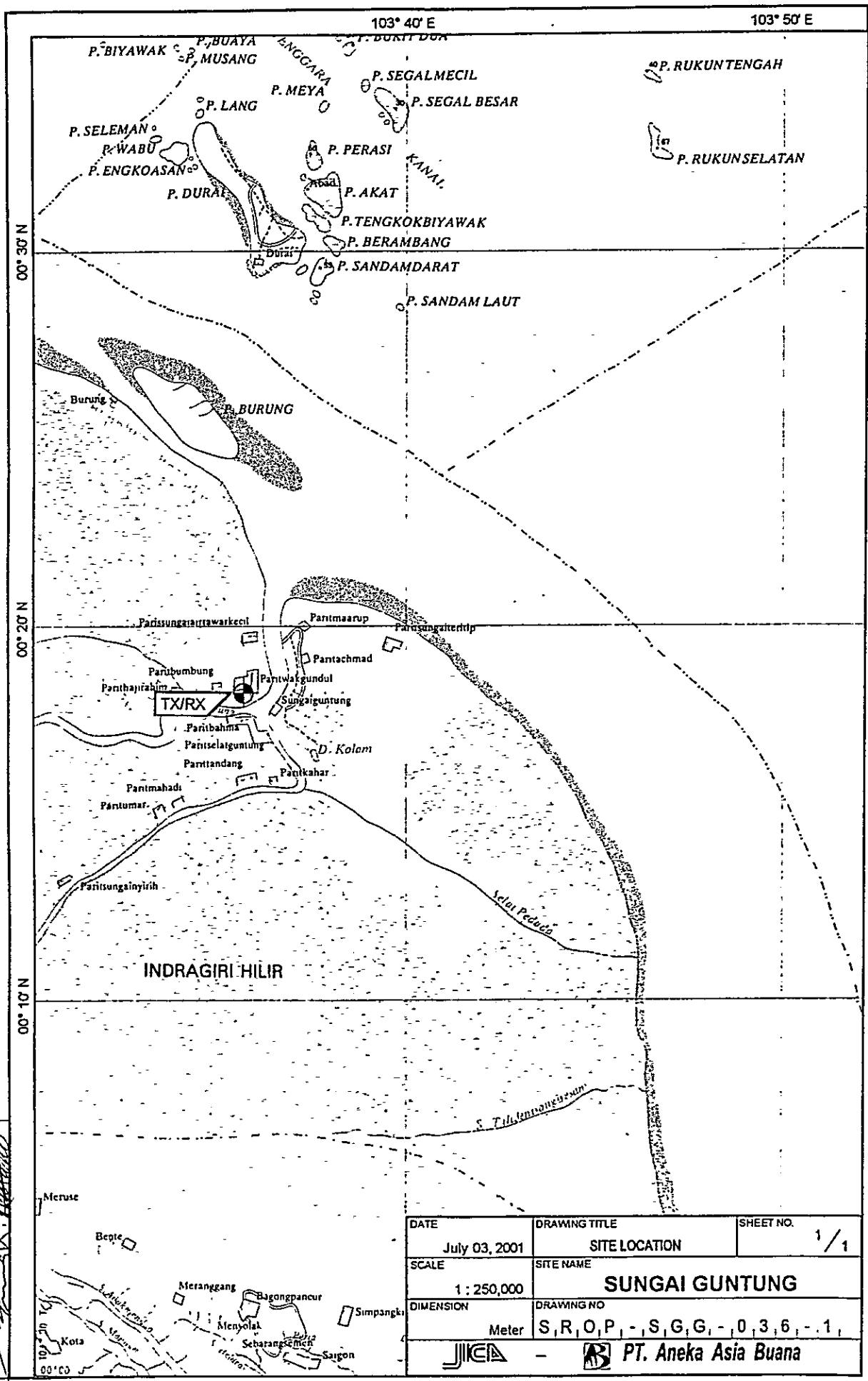
7. COMMENTS	
Suggestion	
Remarks	

INVENTORY

Site Nama: Sungai Guntung

SGG-036- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
Data not Available because Coast Station doesn't exists or Name only									



DRAWN BY: A.B.I.
 APPROVED BY: JICA

DATE	DRAWING TITLE	SHEET NO.
July 03, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 250,000	SUNGAI GUNTING	
DIMENSION	DRAWING NO	
Meter	S, R, O, P, - S, G, G, - 0, 3, 6, - . 1	
- 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**

**1ST CLASS DISTRICT NAVIGATION AREA (5)
TANJUNG PINANG**

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

1st Class District Navigation Area (5) Tanjung Pinang

Table of Content

DISNAV	5	Tanjung Pinang	1st Class
KPLP	5	Tanjung Uban	
SROP	37	Batu Ampar	3rd Class
	38	Tg. Uban	3rd Class
	39	Sei Kolak Kijang	3rd Class
	40	Tarempa	4th-A Class
	41	Tg. Balai Karimun	4th-A Class
	42	Pulau Sambu	4th-A Class
	43	Tg. Pinang	4th-A Class
	44	Dabo Singkep	4th-B Class
45	Natuna	4th-B Class	

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

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

1st Class District Navigation Office (Area-5) Tanjung Pinang

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	TANJUNG PINANG		
	CLASS	1st	NO.	5

1. LOCATION				
Address	Tel.	Fax	Longitude	Latitude
Jl. Samudera No. 18, Tg. Pinang 29111	0771-21375, 21571	0771-23926	104° 26' 44.3" E	00° 56' 09.5" N

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Batam [Taking time: 2:00 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Ship to Tg. Pinang [Taking time: 1:00 hr]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> None		

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

3.1 Site Conditions			
Topography	Nature of Soil	Past disaster of site	Confirmation of existing system
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input checked="" type="checkbox"/> Ordinary	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay	<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> Lightning system
Altitude	2 00 m	Telephone Lines	<input type="checkbox"/> Feeder Cable Way
Land area	50 00 m ²	<input checked="" type="checkbox"/> 3 Lines	<input type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions
Num. of story	Two	Voltage	220 V	Good Bad
Structure	Concrete	Phase	1	<input type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire	2	<input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA		<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
Flooring	Tile	Availability of power per day	24 Hours	Main tank
Room Area (m²)		Power interruption /month	5 Times	E/G Stand-by System
Operation room		Total interpt. hours /month	20 Hours	<input type="checkbox"/> Single System
E / G room		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								
Restoration flow				Chief				
Examples of major failure				Operator (skilled) ()				
Sufficiency of spares				Technician (skilled) ()				
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad	Total				
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises				
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity								
Institutional and Human Statures				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF DISNAV	SITE	TANJUNG PINANG		
	CLASS	1st	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	
Remarks	

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

ADPEL/KPLP Office (Disnav Area - 5) Tanjung Uban

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	TANJUNG PINANG		
	CLASS		NO.	V

1. LOCATION				
Address	Tel.	Fax	Longitude	Latitude
Jl. Samudra No. 18, Tanjung Pinang	0771-21711		104° 26' 44.3" E	00° 56' 09.5" N

2. GENERAL CONDITIONS				
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population
By Air to Batam [Taking time: 2:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car to Tg Pinang [Taking time: 1:00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
		<input type="checkbox"/> None		

3. CONDITIONS OF 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 type="checkbox"/> <input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	2 00 m		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	m ²		<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water
3.2 Building Conditions		3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions
Num. of story	Two	Voltage	220 V	220 V
Structure	Concrete	Phase	1	1
Type of roof	Concrete	Wire	2	2
Type of ceiling	Concrete	kVA		3
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine
Wall finish	Mortar	Fluctuations	V ± %	Day tank
Flooring	Tile	Availability of power per day	Hours	Main tank
Room Area (m²)		Power interruption /month	Times	E/G Stand-by System
Operation room		Total interpt. hours /month	Hours	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	Hours	<input checked="" 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	T o t a l				
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises				
<input type="checkbox"/> Lightning		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
4 Number of Operator	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF ADPEL / KPLP	SITE	TANJUNG PINANG		
	CLASS		NO.	V

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

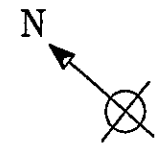
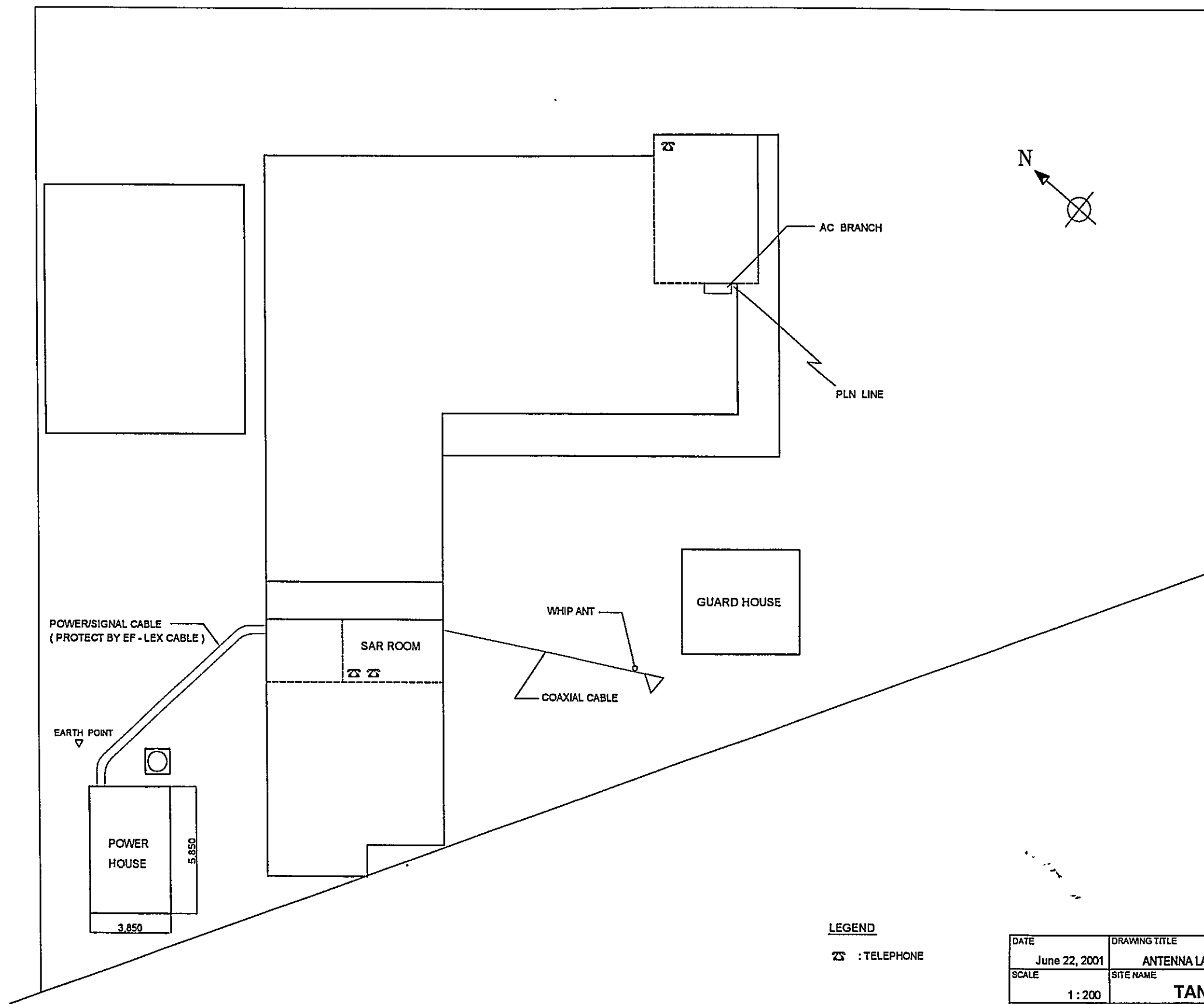
7. COMMENTS	
Suggestion	
Remarks	

INVENTORY

Site Name: Adpel Tanjung Pinang

KPLP-TGP-V-(1 / 1)

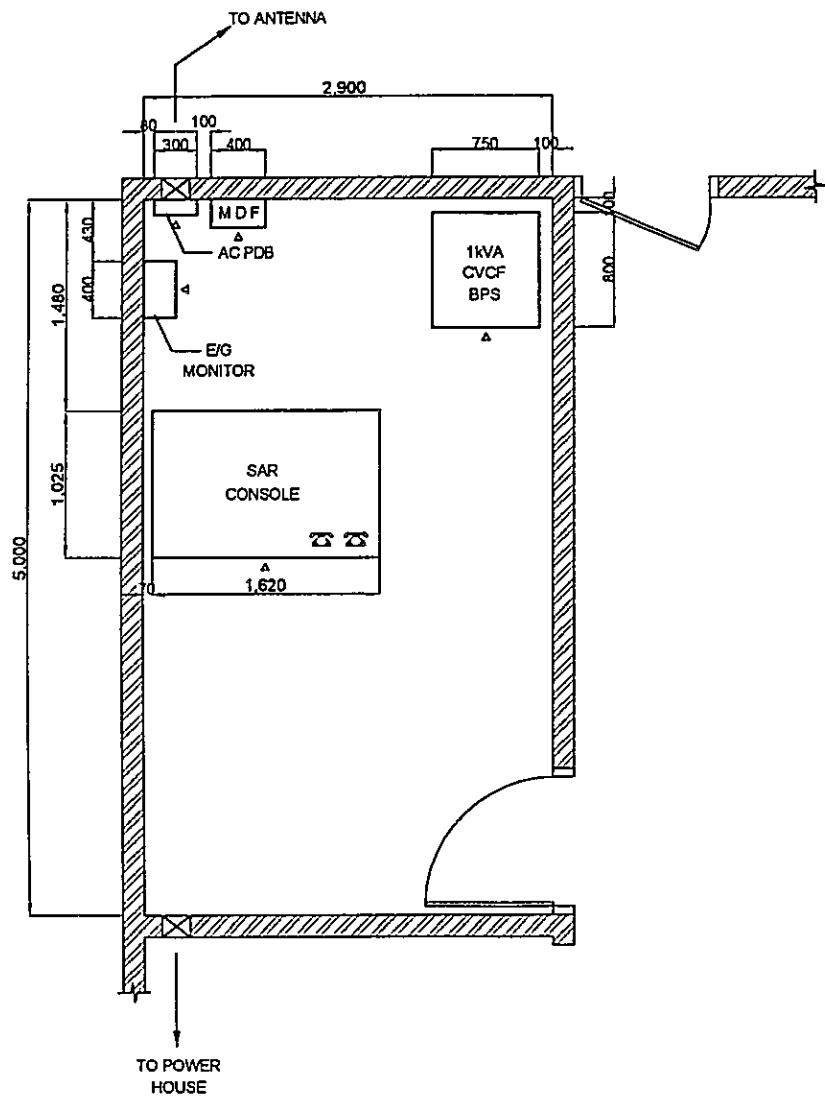
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1	1-1	Radio Equipment Operator Console/Desk/Rack							
	1-1-1	Console-III-I	NRD-93		JRC	1989	SAR Project		
		All Wave Receiving	NDH-93		JRC	1989	SAR Project		
		Spot Scanning Unit	NCH-300		JRC	1989	SAR Project		
		Telecontroller (TX)	NCG-95		JRC	1989	SAR Project		
		Telecontroller (RX)			JRC	1989	SAR Project		
		Marine VHF Telecontroller			JRC	1989	SAR Project		
		Signal Controller	NQP-21		JRC	1989	SAR Project		
		Speaker Panel	NVA-64		JRC	1989	SAR Project		
		Analog Clock	J-70-P-b		JRC	1989	SAR Project		
		Digital Clock	NKH-100		JRC	1989	SAR Project		
		Remote Control Unit (For MTRX)	JCC-300RR8		JRC	1989	SAR Project		
		Dialing Unit			JRC	1989	SAR Project		
		Headset (x2)			JRC	1989	SAR Project		
		Headset (For MTRX)			JRC	1989	SAR Project		
		Ancillaries			JRC	1989	SAR Project		
		Console			JRC	1989	SAR Project		
		Telephone Device (x2)			JRC	1989	SAR Project		
		2128kHz A/A RX Monitor			JRC	1989	SAR Project		
		(TX) Telecontroller (For E)			JRC	1989	SAR Project		
		Telephony (x8)	NCH-300		JRC	1989	SAR Project		
		Telex			JRC	1989	SAR Project		
		Power Supply Equipment							
		Engine Generator Set (2 x 3 kVA)			JRC	1989	SAR Project		Damaged
		Isolation Transformer 1kVA			JRC	1989	SAR Project		Damaged
		Battery Charger 24V, 10A			JRC	1989	SAR Project		Damaged
		Battery 30AH, 12cells			JRC	1989	SAR Project		Damaged
1-1-2									



LEGEND
 ☎ : TELEPHONE

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

DATE June 22, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1/1
SCALE 1 : 200	SITE NAME TANJUNG UBAN	
DIMENSION Millimeter	DRAWING NO. K, P, L, P, - , T, G, U, - , 0, 3, 8, - , 2,	
- PT. Aneka Asia Buana		

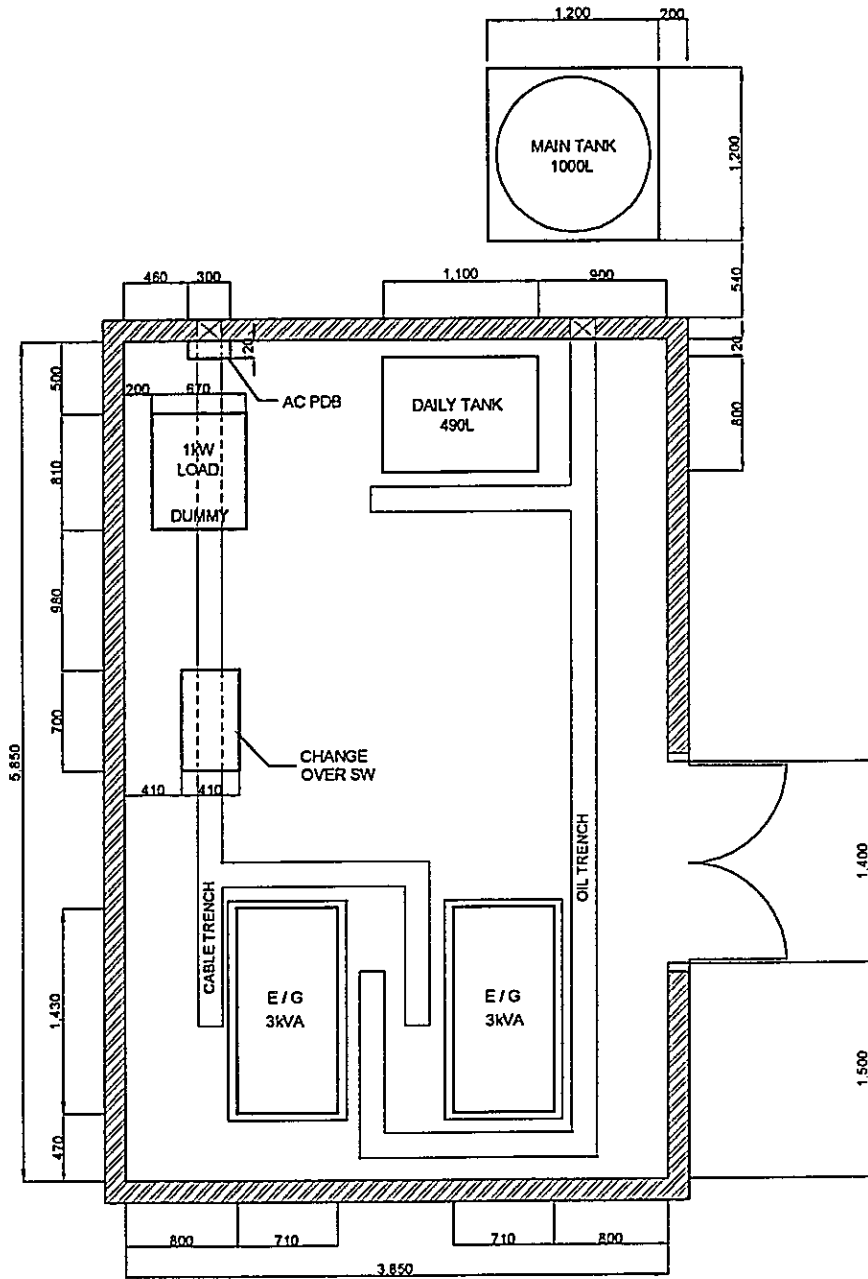


DRAWN BY AAB
 APPROVED BY JICA

LEGEND

- AC ALTERNATING CURRENT
- E/G ENGINE GENERATOR
- MDF MAIN DISTRIBUTION FRAME
- PDB POWER DISTRIBUTION BOARD
- ☎ TELEPHONE

DATE	DRAWING TITLE	SHEET NO
June 22, 2001	EQUIPMENT FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	TANJUNG UBAN	
DIMENSION	DRAWING NO	
Milimeter	K, P, L, P, -, T, G, U, -, 0, 3, 8, -, 3,	
- PT. Aneka Asia Buana		

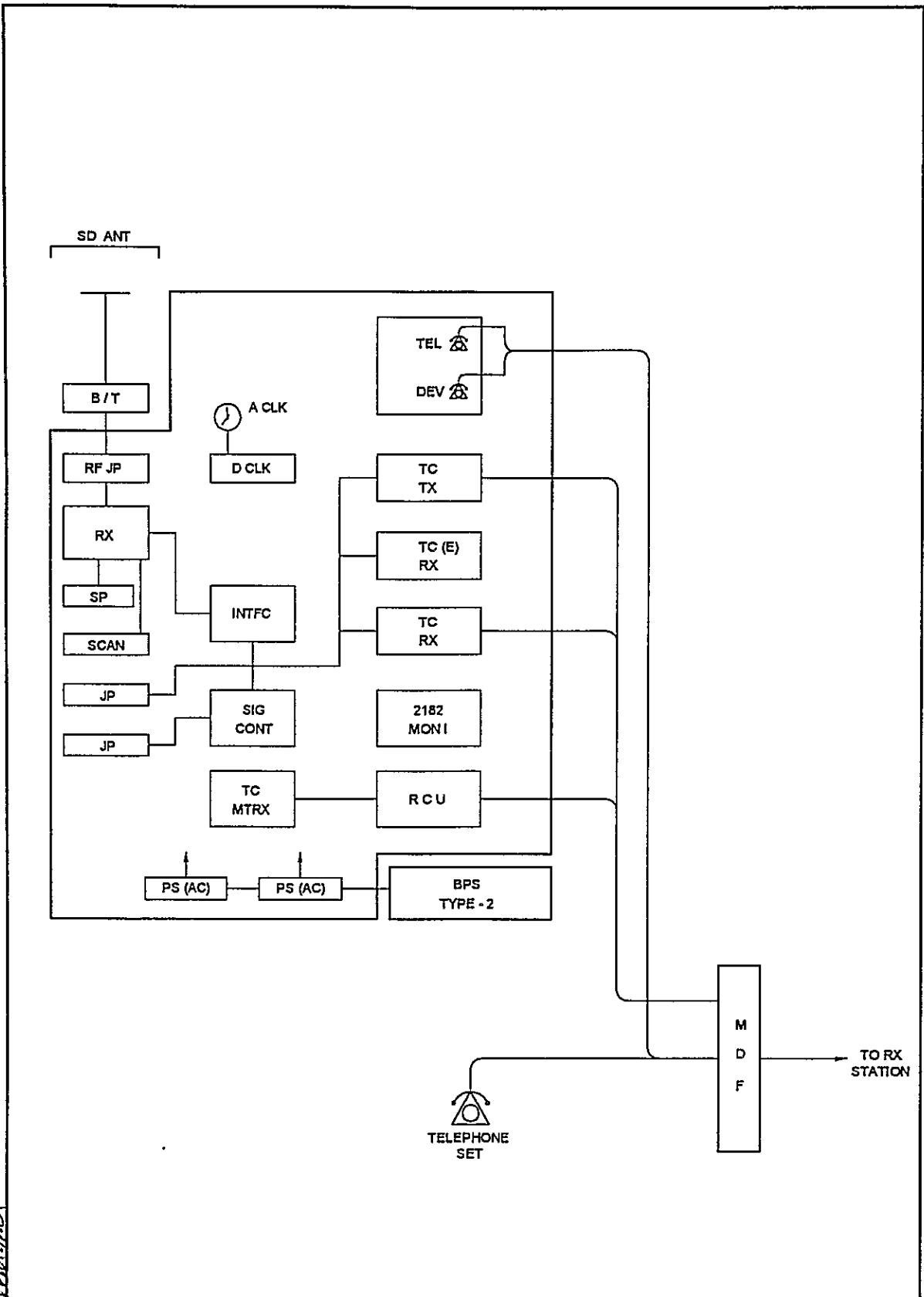


APPROVED BY JICA.
 DRAWN BY AAB.
 [Signature]

LEGEND

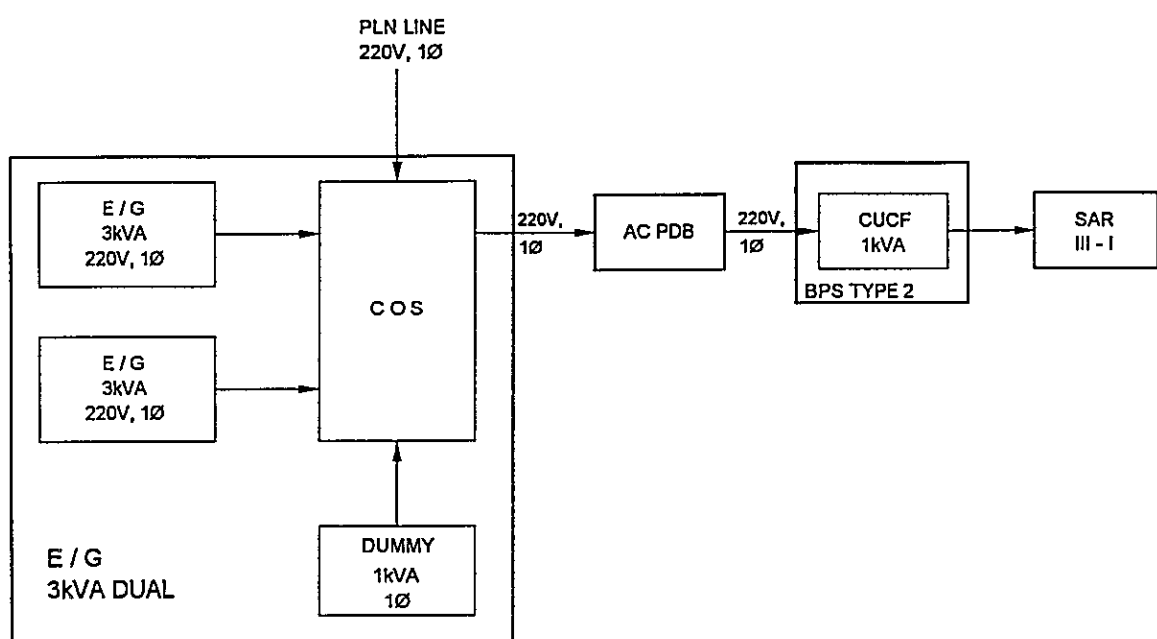
- AC ALTERNATING CURRENT
- kW KILO WATT
- L : LITER
- PDB . POWER DISTRIBUTION BOARD

DATE June 22, 2001	DRAWING TITLE E/G FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME TANJUNG UBAN	
DIMENSION Milimeter	DRAWING NO K, P, L, P, -, T, G, U, -, 0, 3, 8, -, 4,	





DRAWN BY AAB
 APPROVED BY JICA
[Signature]

DATE	DRAWING TITLE	SHEET NO
June 21, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	TANJUNG UBAN	
DIMENSION	DRAWING NO	
Milimeter	K, P, L, P, -, T, G, U, -, 0, 3, 8, -, 5.	
- PT. Aneka Asia Buana		



DRAWN BY AAB
 APPROVED BY JICA


- LEGEND**
- AC ALTERNATING CURRENT
 - COS CHANGE OVER SWITCH
 - E/G ENGINE GENERATOR
 - kVA KILO VOLT AMPERE
 - PDB POWER DISTRIBUTION BOARD
 - V VOLT
 - Ø PHASE

DATE June 21, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME TANJUNG UBAN	
DIMENSION Milimeter	DRAWING NO. K, P, L, P, -, T, G, U, -, 0, 3, 8, -, 6,	
 -  PT. Aneka Asia Buana		

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

3rd Class Coast Station Batu Ampar (Coast Station No. 37)

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	BATU AMPAR		
	CLASS	3rd	NO.	37

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Tanjung Sengkuang	0778-310164	412741	104° 00' 01" E	01° 09' 50" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Batam [Taking time: 2:00 hr.]	<input checked="" type="checkbox"/> Highway	<input checked="" type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	400,000
By Car	to Location [Taking time: 0.45 hr.]	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
		<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions				
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
<input type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/> <input type="checkbox"/> Antenna
<input checked="" type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/> <input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input 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	45.00 M		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	5,000 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 V	Good Bad
Structure	Concrete	Phase	1	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire	2	2	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Triplex	kVA	3.5	10	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 20 %		Day tank
Flooring	Mortar	Availability of power per day	24 Hours	Main tank	100 Liter
Room Area (m ²)		Power interruption /month	6 Times	E/G Stand-by System	
Operation room	35.75	Total interpt. hours /month	8 Hours	<input checked="" type="checkbox"/> Single System	
E / G room	20.00	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					TX/RX					
Restoration flow					Chief	1				
Examples of major failure					Sailor and telephone interface, damaged	Operator (skilled)	8 (4) ()			
Sufficiency of spares					Not complete	Technician (skilled)	1 (1) ()			
Records of damages			Environmental Conditions		Administrator					
<input type="checkbox"/> Heavy rainfall			Good	Bad						
<input type="checkbox"/> Storm			<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises					
<input checked="" type="checkbox"/> Lightning	Power Amplifier & PSU		<input 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	1994	2	
3 Measuring eqpt /tools	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough		Operator	III	Dumai	1998	3	
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 checked="" type="checkbox"/> Skilled	<input type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable							

SUMMARY OF COAST STATION	SITE	BATU AMPAR		
	CLASS	3rd	NO	37

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		3	3		1993				1998			
1999		5	5		1994				1999			
2000		9	6		1995				2000			

7. COMMENTS

Suggestion	It is reasonable, Batu Ampar Coast Station up-grade to 1st class coast station (24 hours), including telecommunication facilities accordingly.
Remarks	

INVENTORY

Site Name: Batu Ampar

BTA-037- (1 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1	1	MF/HF System	10S-10	5B513	UTS	1984			Good
2		Transceiver	10S-10	5B516	UTS	1986			Good
3		Transceiver	FS-1002	S/H 5920018	Furuno	1985			Damaged
1-2		Operator Console/Desk/Rack							
1-2-1	1	MF/HF Console	RH-16-3	5	Sailor	1996	F-TA-193: PH3		Good
		MF/HF Equipment	T2131	520489	Sailor	1996	F-TA-193: PH3		Damaged
		Tx (600 W) (on the wall)	T2131	520487	Sailor	1996	F-TA-193: PH3		Damaged
		Tx (600 W) (on the wall)	N2171	521005	Sailor	1996	F-TA-193: PH3		Good
		AC Power Supply	N2171	521003	Sailor	1996	F-TA-193: PH3		Damaged
		AC Power Supply	AT2112	514521	Sailor	1996	F-TA-193: PH3		Damaged
		Antenna Coupler (on the wall)	AT2112	514432	Sailor	1996	F-TA-193: PH3		Good
		Antenna Coupler (on the wall)	H2185	522736	Sailor	1996	F-TA-193: PH3		Good
		CW Unit	H2185	522735	Sailor	1996	F-TA-193: PH3		Good
2		All Wave Receiver							
		Control Unit HF1	RE2100	521651	Sailor	1996	F-TA-193: PH3		Good
		Control Unit HF2	RE2100	516790	Sailor	1996	F-TA-193: PH3		Good
		Duplex Receiver	R2120T	518078	Sailor	1996	F-TA-193: PH3		Good
		Duplex Receiver	R2120T	518077	Sailor	1996	F-TA-193: PH3		Good
		Loudspeaker	H2054	2	Sailor	1996	F-TA-193: PH3		Good
3		Spot Receiver							
		MF/HF DSC W/K RX	RM2150	523158	Sailor	1996	F-TA-193: PH3		Good
		Power Supply	N2165	522770	Sailor	1996	F-TA-193: PH3		Good
4		Terminal Unit (DSC VHF/HF)							
		DSC System	TT-6200A	1	Sailor	1996	F-TA-193: PH3		Good
		LAN	TT-101064	1	Sailor	1996	F-TA-193: PH3		Good
		LAN I/O	TT-101065	1	Sailor	1996	F-TA-193: PH3		Good
		CPU	TT-101051	1	Sailor	1996	F-TA-193: PH3		Good

INVENTORY

Site Name: Batu Ampar

BTA-037- (2 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
		CPU I/O	TT-10123	1	Sailor	1996	F-TA-193: PH3		Good
		Paralel	TT-101190	1	Sailor	1996	F-TA-193: PH3		Good
		Paralel I/O	TT-101217	1	Sailor	1996	F-TA-193: PH3		Good
		VHF Modem	TT-102239	1	Sailor	1996	F-TA-193: PH3		Good
		HF Modem	TT-1022337	1	Sailor	1996	F-TA-193: PH3		Good
		Modem I/O	TT-102238	2	Sailor	1996	F-TA-193: PH3		Good
		Alarm I/O	TT-101242	1	Sailor	1996	F-TA-193: PH3		Good
		Power Supply	TT-101122	1	Sailor	1996	F-TA-193: PH3		Good
		Power Input	TT-101241	1	Sailor	1996	F-TA-193: PH3		Good
		DSC Op. Position Term /PC							
		1) Compaq Proline 466	-	1	Sailor	1996	F-TA-193: PH3		Good
		2) Compaq Monitor 140	-	532AF05CB189	Sailor	1996	F-TA-193: PH3		Good
		Printer (H-1252A) (On the Console)	TT-1608C	61AP3193374K	Sailor	1996	F-TA-193: PH3		Good
		Monitor Display	TT-3602B	9603545	Sailor	1996	F-TA-193: PH3		Good
5		DSC Alarm	TT-1542B	1	Sailor	1996	F-TA-193: PH3		Good
		Signal Control Panel							
		Audio/Digital Matrix	MTX-1616	141	Sailor	1996	F-TA-193: PH3		Good
		Keyer	KK-1	366	Sailor	1996	F-TA-193: PH3		Good
		Loudspeaker	H2054	2	Sailor	1996	F-TA-193: PH3		Good
6		Telephone Repeater (Phone Patch)	RTU-282	175	Sailor	1996	F-TA-193: PH3		Damaged
		Radio/Tel I/F Unit							
		ARQ Equipment							
		Radiotelex Modem	TT-1585E	9603503	Sailor	1996	F-TA-193: PH3		Good
		ARQ Key Board	TT-1601 A	9603535	Sailor	1996	F-TA-193: PH3		Good
		Printer (H1252A) (on the Console)	TT-1680C	59AP3189985K	Sailor	1996	F-TA-193: PH3		Good
		Telex Alarm	TT-1542B	1	Sailor	1996	F-TA-193: PH3		Good
1-3		Receiver							
1		Receiver	FRG-8800	5B060558	Yaesu	1986			Damaged
2		Receiver	FRG-8800	8F220020	Yaesu	1988			Good
3		Receiver	FRG-8800	6J1101145	Yaesu	1985			Good

Tanjung Pinang

INVENTORY

Site Name: Batu Ampar

BTA-037- (3 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-4		VHF System							
1		VHF Transceiver	FM-252	54202044	Furuno	1986			Good
2		25 W VHF Transceiver	FTC-1540A	5B330151	Yaesu	1985			Good
2		VHF Console	RH-16-1	1	Sailor	1996	F-TA-193; PH3		Good
3		Operation Console							
		Multichannel VHF Transceiver							
		- VHF T/R (Modified)	RT 2048	523717	Sailor	1996	F-TA-193; PH3		Good
		- VHF T/R (Modified)	RT 2048	523721	Sailor	1996	F-TA-193; PH3		Good
		- VHF T/R (Modified)	RT 2048	523719	Sailor	1996	F-TA-193; PH3		Good
		- VHF T/R (Modified)	RT 2048	523710	Sailor	1996	F-TA-193; PH3		Good
		- Linier Power Amplifier	A2080BE-H	225	Sailor	1996	F-TA-193; PH3		Good
		- Linier Power Amplifier	A2080BE-H	295	Sailor	1996	F-TA-193; PH3		Good
		- Linier Power Amplifier	A2080BE-H	556	Sailor	1996	F-TA-193; PH3		Good
		- Linier Power Amplifier	A2080BE-H	552	Sailor	1996	F-TA-193; PH3		Good
		- Duplex Filter	P475F	5494156	Sailor	1996	F-TA-193; PH3		Good
		- Duplex Filter	P475F	5494145	Sailor	1996	F-TA-193; PH3		Damaged
		CH-70 VHF T/R		5494155	Sailor	1996	F-TA-193; PH3		Damaged
4		- VHF T/R	RT2048	523722	Sailor	1996	F-TA-193; PH3		Good
		- High Low I/F Unit (Relay Box)	-	2	Sailor	1996	F-TA-193; PH3		Good
		- RF Power Amplifier	A2080BE-H	294	Sailor	1996	F-TA-193; PH3		Good
		- AC Power Supply	N163S	N16308	Sailor	1996	F-TA-193; PH3		Good
		- DC Power Supply	N420	1	Sailor	1996	F-TA-193; PH3		Good
		- AC Power Supply	PSF-1	TWR/12770/0	Sailor	1996	F-TA-193; PH3		Good
5		Term.Equipt. (DSC VHF/HF)							
		- Audio/Digital Matrix	MTX-1616	143	Sailor	1996	F-TA-193; PH3		Good
6		Telephone Repeater							
		- Radio/Tel I/F Unit	RTU-280	191	Sailor	1996	F-TA-193; PH3		Damaged
		- Telephone set with call timer	-	2	Sailor	1996	F-TA-193; PH3		Good
		- Headset	DM 811	2	Sailor	1996	F-TA-193; PH3		Good
		- Hand set	-	6	Sailor	1996	F-TA-193; PH3		Good
		- Desk Microphone	-	2	Sailor	1996	F-TA-193; PH3		Good
		- Quartz Clock	-	1	Sailor	1996	F-TA-193; PH3		Good
		- Service Engineer Kit	-	1	Sailor	1996	F-TA-193; PH3		Good

Tanjung Pinang

INVENTORY

Site Name: Batu Ampar

BTA-037-(4/6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
		- Mouse - Instr Manual Comp. Compaq - Chair	- - -	1 1 1	Sailor Sailor Sailor	1996 1996 1996	F-TA-193: PH3 F-TA-193 PH3 F-TA-193: PH3		Good Good Good
2		Tower & Antenna System							
2-1		Tower & Mast							
		TX Station							Good
1		15mHx2 Guy Mast							Good
2		12mHx2 Steel Pole	Triangle						Good
3		6mHx2 Steel Pole							Good
4		30mH Self Supporting Structure	AT30SS	1	Sailor	1996	F-TA-193: PH3		Good
5		20mH Self Supporting Structure	AT20SS	2	Sailor	1996	F-TA-193: PH3		Good
6		Lightning Protector		3	Sailor	1996	F-TA-193: PH3		Good
7		Grounding		3	Sailor	1996	F-TA-193: PH3		Good
8		Installation Materials, One Lot		1	Sailor	1996	F-TA-193 PH3		Good
2-2		Antenna System							
		TX Station							Good
1		2W T Type Antenna (x1)							Good
2		DD Antenna (x1)							Good
3		SD Antenna (x1)							Good
4		VHF Antenna (x1)							Good
2		I/L Antenna for T/R	HF7	2	Sailor	1996	F-TA-193: PH3		Good
3		D/D Antenna	E-22	1	Sailor	1996	F-TA-193: PH3		Good
4		VHF 3 Antenna			Sailor	1996	F-TA-193: PH3		Good
2-3		Antenna Selector							
1		Antenna Coupler	XW-49	BP-73285		1974			Good
2		Antenna Coupler	XW-49	030-30	INTI	1979			Good
3		XMTR Select	No.1 & No.2						Good
4		Antenna Distributor	AAD10/1/A-J1-c	001011	Sailor	1996	F-TA-193: PH3		Good

Tanjung Pinang

INVENTORY

Site Name: Batu Ampar

BTA-037- (5 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3		Power Supply Equipment							
3-1	1	Power Distribution Board		1	Sailor	1996	F-TA-193: PH3		Good
2		7.5kVA PDB for TX/RX Control Panel (AMF)	PL 95-7s	9513	Sailor	1996	F-TA-193: PH3		Good
3		-10 kVA Single Standby		1	-	1996	F-TA-193: PH3		Good
4		Starting, Fuel, Exhaust System Fuel Day Tank		1	-	1996	F-TA-193: PH3		Good
5		- 100 L - Fuel Control Unit Fuel Storage Tank - 1000 L		1	-	1996	F-TA-193: PH3		Good
3-2	1	Isolation Transformer		No.	-	1996	F-TA-193: PH3		Good
1		7.5kVA, 4W, 3P	IST 10P3	9506	Sailor	1996	F-TA-193: PH3		Good
3-3	1	Step-Up Transformer	STU 10P3	9506	Sailor	1996	F-TA-193: PH3		Good
3-4	1	9.9kVA, 4W, 3P UPS & AVR							
1		Power Supply	I500-10		Ratio	1984			Damaged
2		Power Supply	PS-8200		Vedio	1986			Good
3		Power Supply	PS-8300	183027	Vedio	1984			Good
4		AVR : 7.5kVA, 4W, 3P	AVR7P3	9506	Sailor	1996	F-TA-193: PH3		Good
3-5	1	Engine Generator							
2		Generator 3kVA	RGD-352	102734	Robin	1985			Good
3		Engine	DY-30D	10125	Robin	1985			Good
		Diesel E/G Single Standby							
		10 kVA, 380V, 3P, 4W	EG 10 RA	1	Sailor	1996	F-TA-193: PH3		Good
		Engine	V-1505E	V1505-58412s	Sailor	1996	F-TA-193: PH3		Good
		Generator	BCI-164-D	CO51684/7	Sailor	1996	F-TA-193: PH3		Good
		E/G Panel	-	9505	Sailor	1996	F-TA-193: PH3		Good
4		Measuring Equipment							
1		Analog Oscilloscope	PM3065	DM639025	Sailor	1996	F-TA-193: PH3		Good
		- Probe/Lead (x2)		1					Good
		- Power Cable (x1)		1					Good

INVENTORY

Site Name: Batu Ampar

BTA-037- (6 / 6)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
2		- Black Cover (x1)		1		1996	F-TA-193: PH3		Good
3		- Operation Manual		1		1996	F-TA-193: PH3		Good
4		Fluke 87 Multimeter	-	64460305	Sailor	1996	F-TA-193: PH3		Good
		Fluke 87 Multimeter	-	64460304	Sailor	1996	F-TA-193: PH3		Good
		Fluke 87 Multimeter	-	64460306	Sailor	1996	F-TA-193: PH3		Good
		- Test Lead Set (x1)		3					Good
		- Hoester House Yellow (x1)		3					Good
		- User Manual (x2)		6					Good
5		Insulation Tester	2406A	65WA1522	Sailor	1996	F-TA-193: PH3		Good
		- Line Plobe (x1)		1					Good
		- Earth Plobe (x1)		1					Good
		- AA Batteries built-in (x8)		8					Good
		- Carrying Case (x1)		1					Good
		- Instruction Manual (x1)		1					Good
6		RF Coaxial Load Resistor	8201	17096	Sailor	1996	F-TA-193: PH3		Good
7		RF Coaxial Load Resistor	8201	17098	Sailor	1996	F-TA-193: PH3		Good
8		- Connection Cable (x1)		2					Good
		Services Engineers Kit	RS 541-365	1	Sailor	1996	F-TA-193: PH3		Good
5		Others							
1		Air Conditioner			Sanyo				Good

STATUS OF TROUBLES

SITE NAME : BATU AMPAR

BTA-37-(1/1)

Item / Equipment	Radio SSB, Telephone Call, Duplexer / HF.1/MF.2, RTU.280.1282		
Manufacturer	Sailor, JPS Communication Inc., Cell Wave		
Manufacturer in year	1995		
Defective panel / unit	PA Unit/PS Unit, Module CPU and main-board, Burned		
Details of Trouble Status	Cause due to:		Urgency of Repair
	<input type="checkbox"/> Aging		
	<input checked="" type="checkbox"/> Lightning		
	<input checked="" type="checkbox"/> Corrosion		
	<input type="checkbox"/> Lack of Spares		
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
<p>Regarding Batam Coast Station operational has been changed from 12 hours to 24 hours, there are so many changing because of un-available spare part for monitoring</p> <p>For the meanwhile communication equipment must be worked (on) for along 24 hours, that condition caused the equipment damaged but the spare part un-available</p> <p>Spare part is difficult to find out, so there is no communication until finished the repairing.</p> <p>Besides Lightning, Power (PLN) also is un-normal, because AVR can not make upper the voltage, Power/capacity also not enough therefore operational room is hot, because Air Condition can not functioned well</p>			

Repairing to be:

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

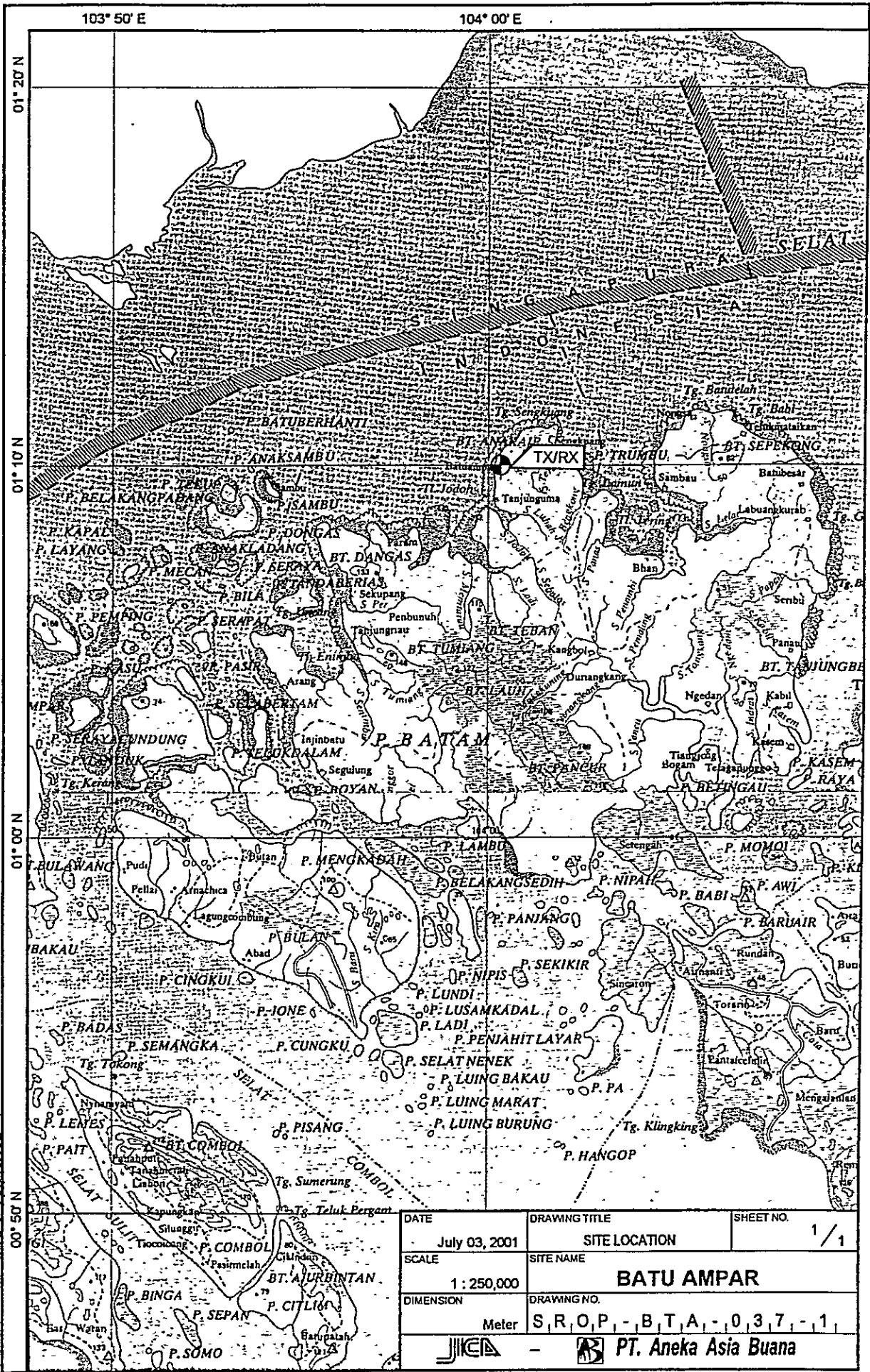
OPERATION SCHEDULE (FREQUENCIES)

Site Name: Batu Ampar

BTA-037-(1/1)

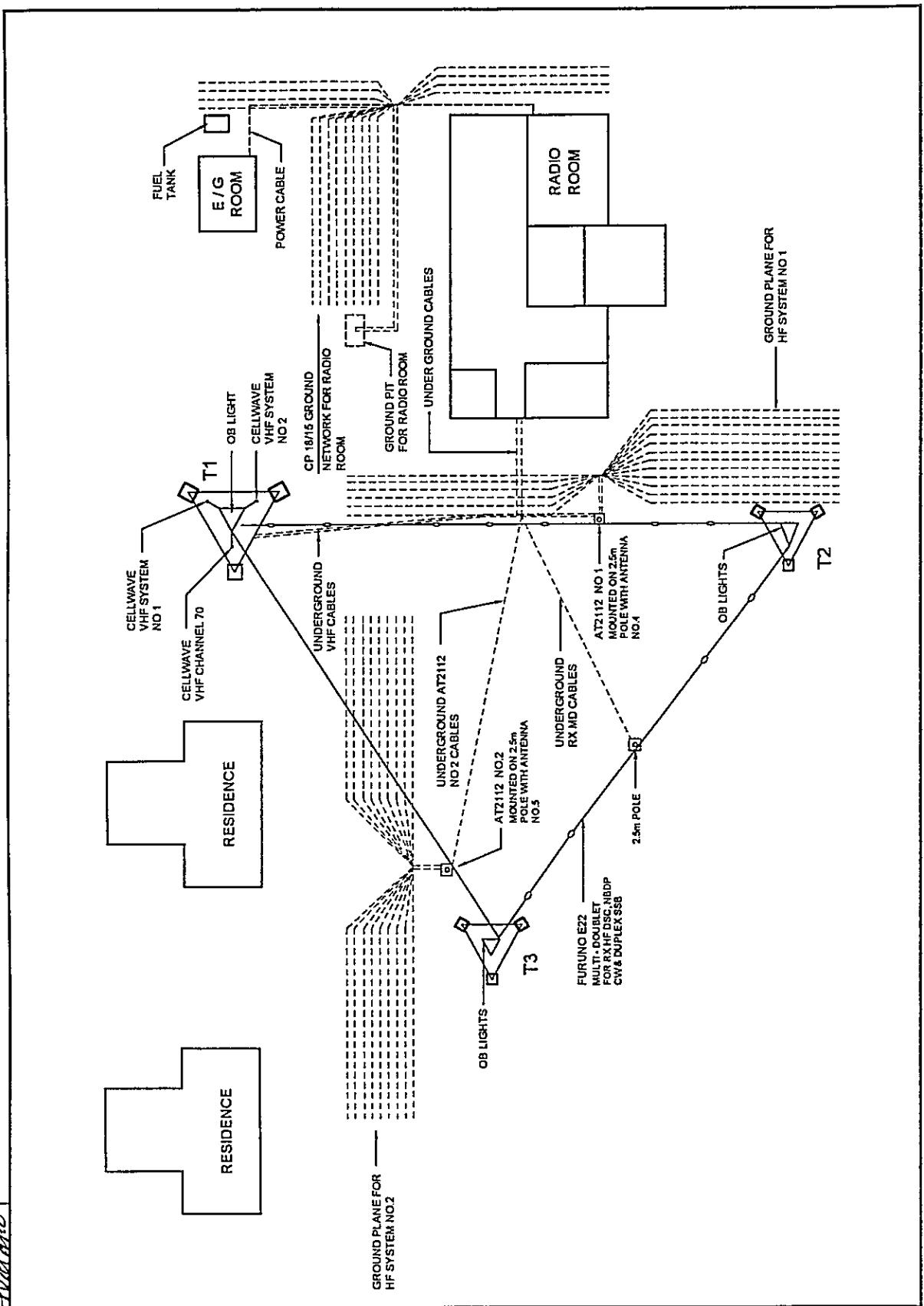
Call Sign : Mobile Service : PKP.38
Fix Service

FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mobile Service																											
1	J3E	600																									
2	J3E	600																									
3	J3E	600																									
4	J3E	600																									
5	F1B	600																									
6	F1B	600																									
7	F1B	600																									
8	F1B	600																									
9	F1B	600																									
10	F1B	600																									
11	F1B	600																									
12	F1B	600																									
13	F1B	600																									
VHF Service																											
14	G3E	50																									
15	G3E	50																									
16	G3E	50																									
17	G2B	50																									
Fix Service																											
18	J3E	600																									
19	J3E	600																									
20	J3E	600																									
21																											
22																											
23																											



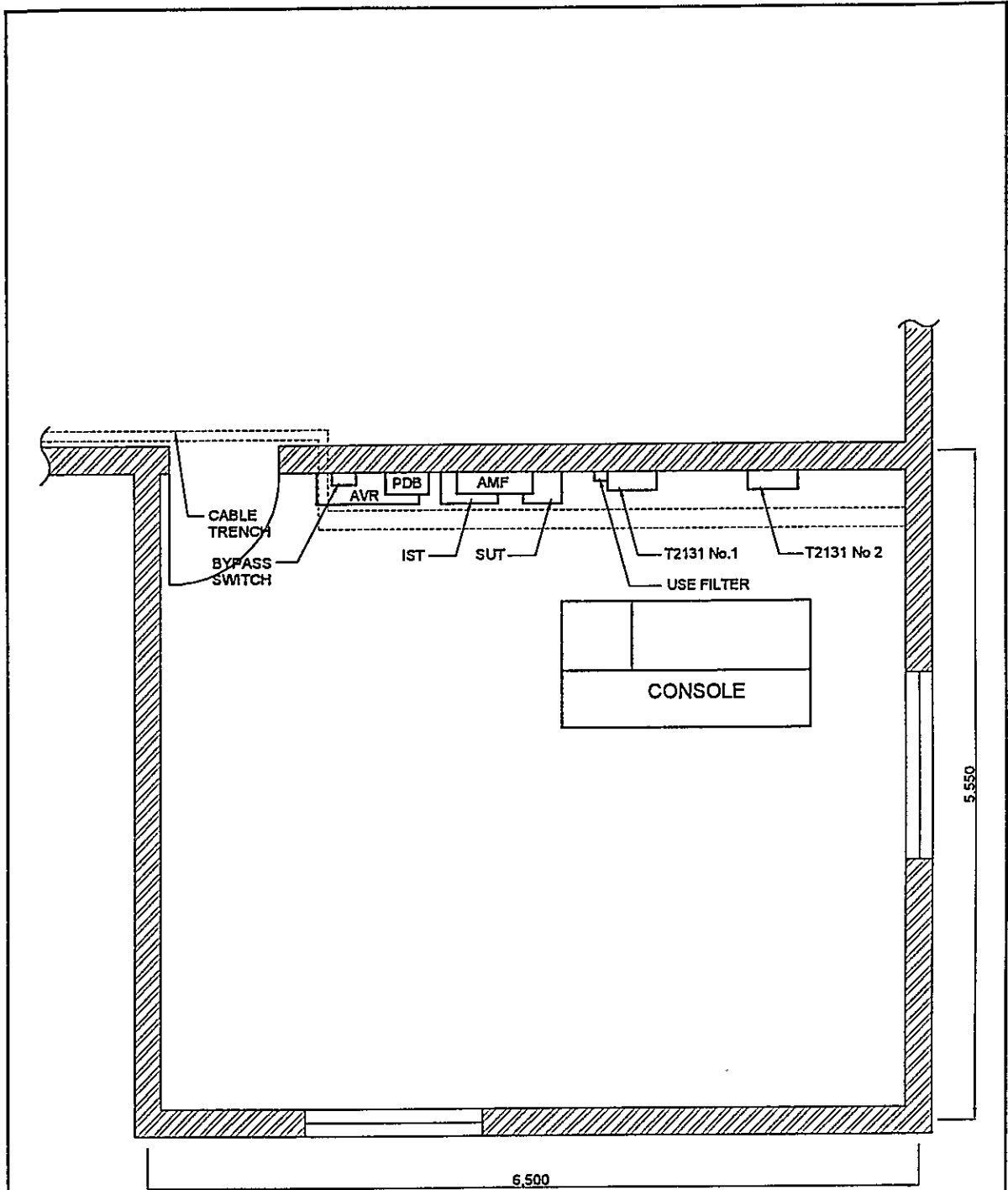
APPROVED BY JICA:
 DRAWN BY AAB:

DATE	DRAWING TITLE	SHEET NO.
July 03, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 250,000	BATU AMPAR	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - B, T, A, - 0, 3, 7, - 1,	
- PT. Aneka Asia Buana		



DRAWN BY AAB
 APPROVED BY JICA
[Signature]

DATE	DRAWING TITLE	SHEET NO
June 21, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 250	BATU AMPAR	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - B, T, A, - 0, 3, 7, - 2, 1	
- PT. Aneka Asia Buana		




APPROVED BY JICA.
 DRAWN BY AAB.

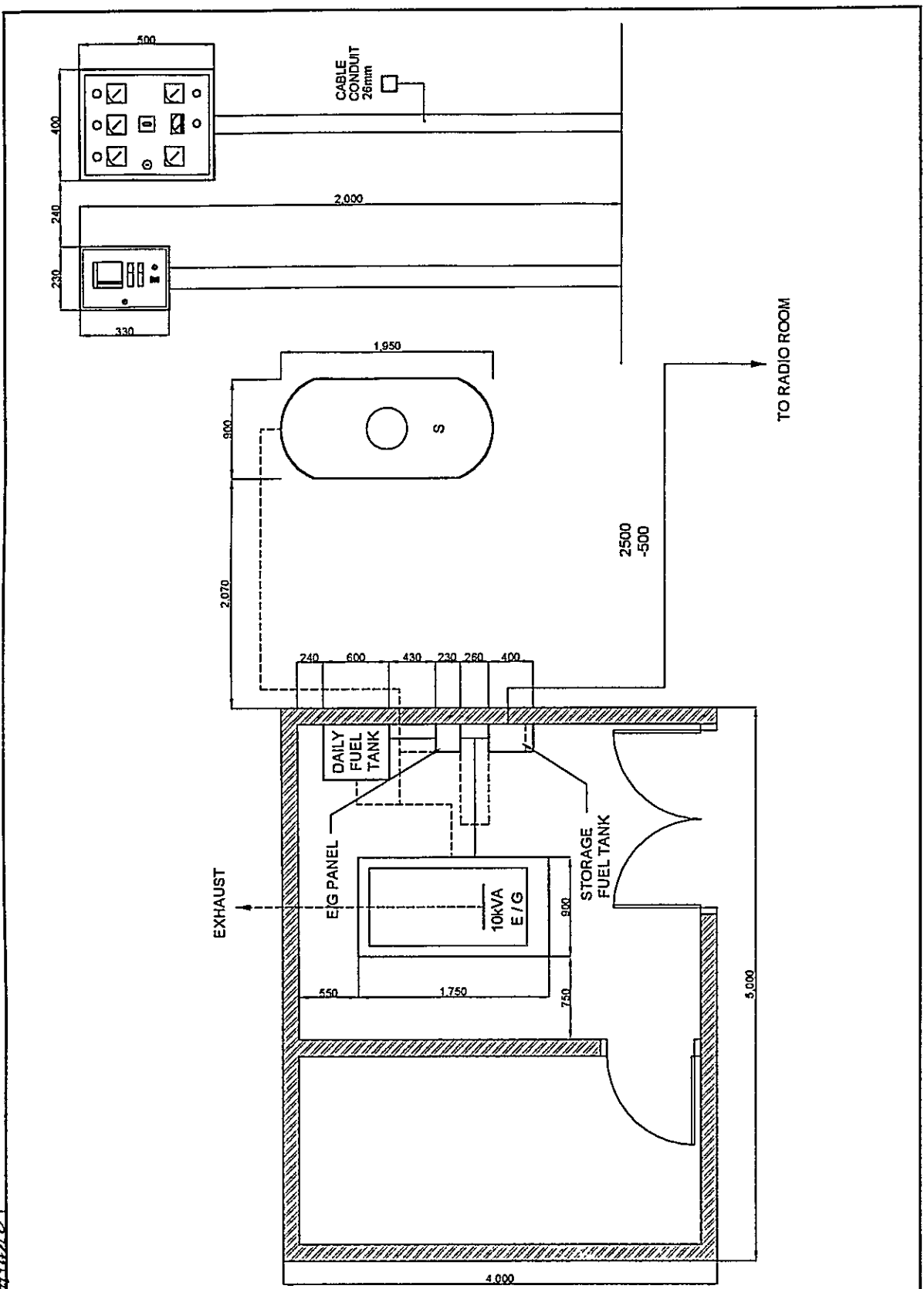
LEGEND



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

DATE June 28, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE 1 : 50	SITE NAME BATU AMPAR	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, B, T, A, -, 0, 3, 7, -, 3	
- PT. Aneka Asia Buana		

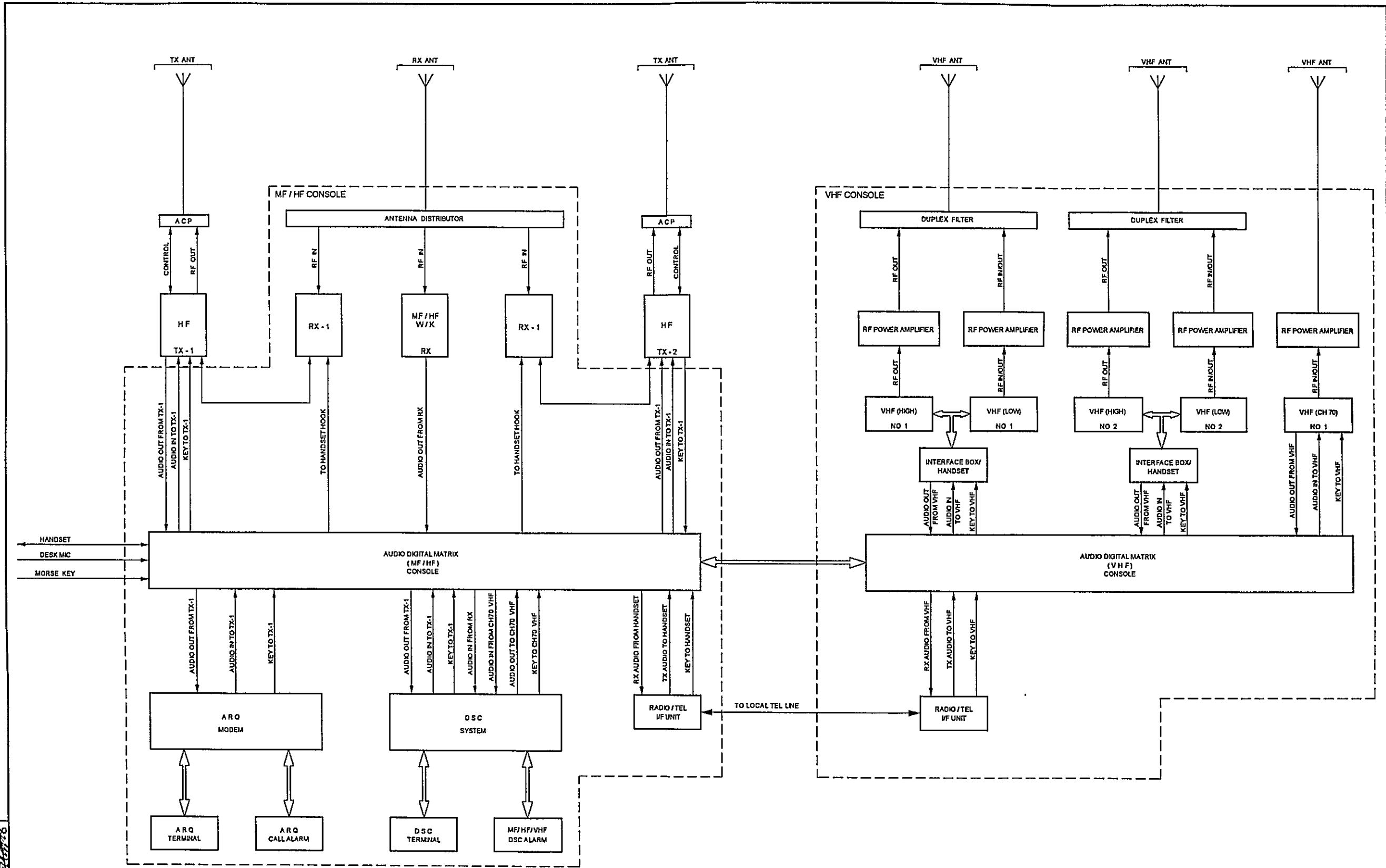
DRAWN BY AAB
 APPROVED BY JICA


LEGEND
 E/G ENGINE / GENERATOR



DATE	June 21, 2001	DRAWING TITLE	E/G FLOOR LAYOUT	SHEET NO	1 / 1
SCALE	1 : 20 / 1 : 50	SITE NAME	BATU AMPAR		
DIMENSION	Milimeter	DRAWING NO	S, R, O, P, - B, T, A, - 0, 3, 7, - 4, 1		
		 PT. Aneka Asia Buana			

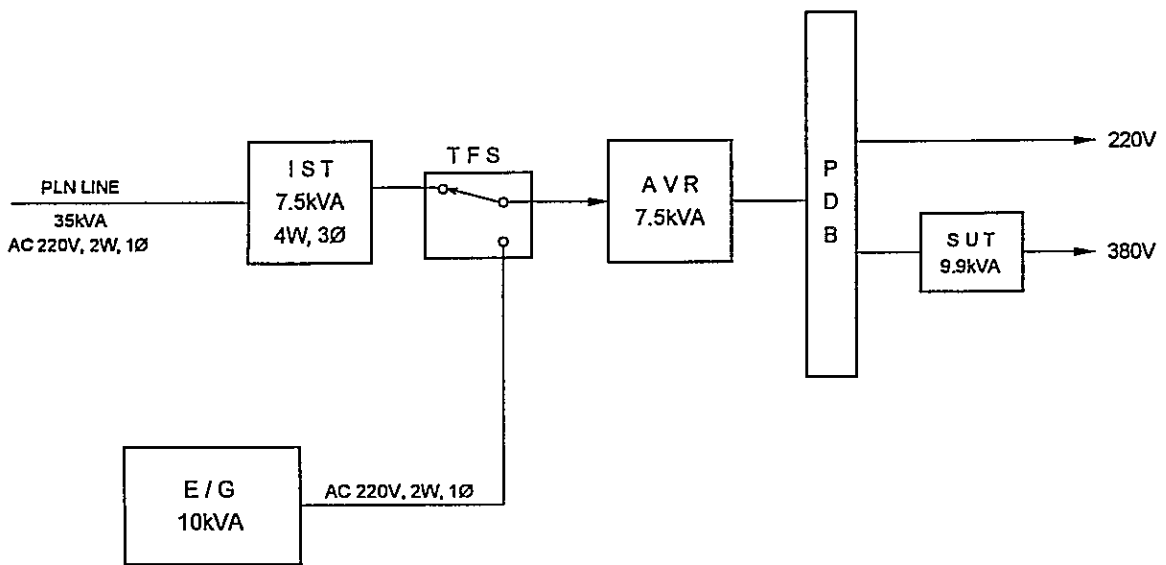
DRAWN BY AAB
 APPROVED BY JICA
 17/07/2001



LEGEND

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

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME BATU AMPAR	
DIMENSION Millimeter	DRAWING NO. S.R.O.P. - B.T.A. - 037 - 5	



LEGEND

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

DRAWN BY AAB
 APPROVED BY JICA
[Signature]

DATE	DRAWING TITLE	SHEET NO.
July 30, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	BATU AMPAR	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, -, B, T, A, -, 0, 3, 7, -, 6, 1	
- PT. Aneka Asia Buana		

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

3rd Class Coast Station Tanjung Uban (Coast Station No. 38)

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	TANJUNG UBAN		
	CLASS	3rd	NO.	38

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Kom. Perla No. 20A, TG. Uban	0771-81494		104° 13' 27" E	01° 03' 05" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Batam [Taking time 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	80,000
By Car	to Tlg. Pgr [Taking time 0.30 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Ship	to Tg. Uban [Taking time 0.15 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions				
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
<input 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	7 00 M		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way
Land area	1,440 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	Three	Voltage	220 V	220 V	Good Bad
Structure	Concrete	Phase	3	3	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Asbestos	Wire	4	4	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Asbestos	kVA	10.6	5	<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	10 V ± 5 %		Day tank
Flooring	Tile	Availability of power per day	24 Hours		200 Liter
Room Area (m ²)		Power interruption /month	3 Times		E/G Stand-by System
Operation room	40 00	Total interpt. hours /month	30 Hours		<input type="checkbox"/> Single System
E / G room	24 00	Max interpt. hours at once	11 Hours		<input checked="" type="checkbox"/> Dual System
Remark					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure				TX/RX				
Restoration flow	Damaged unit will be informed to disnav TPI			Chief	1			
Examples of major failure	PA. Transmitter JRC/SARCOM			Operator (skilled)	3 (2)		()	
Sufficiency of spares				Technician (skilled)	1 ()		()	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/> External noises	Total 5				
<input checked="" type="checkbox"/> Lightning	Antenna damage	<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 type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Operator	C-3	Dumai	1987	2
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	TANJUNG UBAN		
	CLASS	3rd	NO.	38

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		9			1991	182			1996	268		
1997		4			1992	209			1997	299		
1998		7			1993	217			1998	271		
1999		5			1994	198			1999	285		
2000		6			1995	2,111			2000	390		

7. COMMENTS	
Suggestion	According to the planning Port Ferry Tg. Uban -Alg Punggur will become transit Port for commercial ship, and surely Maritime communication will be more higher. Therefore, GMDSS Radio equipment is necessity. Tg Uban doesn't yet completed with DSC/NBDP and telephone call .
Remarks	

INVENTORY

Site Name: Tanjung Uban

TGU-038- (1 / 3)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		HF Transmitter	106NB	BS-62080	JRC	1990	SAR Project		Good
2		HF Transmitter	106NB	BS-62081	JRC	1990	SAR Project		Good
3		HF SSB Transmitter	PYE-130		PYE - England	1971			Damaged
4		HF SSB Transmitter	PYE-130		PYE - England	1971			Good
5		HF SSB Transmitter	FT - 180	2N-100402	Yaesu	1985			Good
6		HF SSB Transmitter	JSB-50		INTI				Good
1-2		Operator Console/Desk/Rack							
1-2-1		Mf/HF Radio Console							
1		SAR Console Type III-1	NCA-682D		JRC	1989	SAR Project		Good
2		HF All Wave Receiver	FRG-7700	2K-220770	Yaesu	1985			Good
3		HF All Wave Receiver	FRG-7700	7H-111283	Yaesu	1976			Damaged
4		Terminal Unit (DSC VHF/HF)							
		- Local Exchanger	JUX-1500-1		JRC	1989			Good
		- Remote Control Rack	GED-1110 C		JRC	1989			Good
		- Remote Control VHF Transmitter	GFD-360YM		JRC	1989			Good
5		Telephone Repeater (Phone Patch)							
		- Telephone Set (x4)	030-4		JRC	1989			Good
		- Telephone Set	030-4		JRC	1989			Damaged
1-3		VHF System							
1		VHF Transmitter	FTC-1540A	5H-350102	Yaesu				Good
2		VHF Transmitter	CMT-FAd-4AB		Philips	1978			Damaged
2		Tower & Antenna System							
2-1		Tower & Mast							
1		22mHx4 Guy Mast (x3)	Rect.						Good

INVENTORY

Site Name: Tanjung Uban

TGU-038- (2 / 3)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
2-2		Antenna System							
1		HF MD Antenna	468 MT		JRC				Good
2		I/L Antenna	L-Type		JRC				Good
3		Brown Cardioid Antenna	BC		JRC				Good
4		Dipole Antenna	Dipole						Damaged
5		Whip Antenna for RX	Whip		JRC				Good
2-3		Antenna Selector							
1		Antenna Duplexer	AW-158 18		JRC				Good
2		Antenna Exchanger	NKZ-223		JRC				Good
3		Panser Mast (x4)	IR-24		JRC				Good
4		Antenna Tuner	TC-125		Yaesu				Damaged
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		AC PDB (x5)			JRC				Good
2		Control Panel (AMF)							
		Fuel Daily Tank							
		- 500 L (x2)							Good
		Fuel Storage Tank							
		- 1000 L (x2)							Good
		- Current Limiter			JRC				Good
		- Charger Over Switch Panel			JRC				Good
		Dummy Load							
		- 2 kVA, 3P							
3-2		Isolation Transformer							
1		2 kVA, 220 V, 2W	TL-220V		JRC				Good
3-3		Step-Up Transformer							
1		5 kVA	11-6LAVED00430		JRC				Good
3-4		UPS & AVR							
1		Back Up Power Supply (BPS2)			JRC				Good
2		Back Up Power Supply (BPS4)			JRC				Good
3		Accu Charger	TMS 539 K						Damaged
4		Accu Charger	W 12/15		GNT-1				No Good

INVENTORY

Site Name: Tanjung Uban

TGU-038- (3 / 3)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
5		Power Supply	FP-707		Yaesu				Good
6		Accu 12 V 120 AH (x4)	N-120		Incoo				Damaged
7		Accu BPS-2 (x9)	HSE-40-12						Good
8		Accu BPS-4 (x8)	GS 45-6E						Good
3-5		Engine Generator							
1		Generator 5 kVA (x2)	PX-G2AA		Taiyo				Good
2		Generator 3 kVA (x2)	PX-G26D		Taiyo				Good
3		Engine Diesel 7.7 PK	F1L511/DUAL		Duet				Good
4		Engine Diesel 7.7 PK	F1L511/DUAL		Duet				Damaged
5		Engine Diesel 15.6 PK	F2L511/DUAL		Duet				Good
6		Engine Diesel 15.6 PK	F2L511/DUAL		Duet				Damaged
4		Measuring Equipment							
1		Multi Tester Sanwa	AX-313 TR		Sanwa				Good
2		Charateristic Meter	AV/VCM-3						No Good
3		Square Calculator	PM5126/04		Philip				No Good
4		Bridge Magger	BR-3		Evershed				Damaged
5		Mega Cylle Meter	159		Edison				Damaged
6		Signal Verfelger	SV41		Crundic				Damaged
5		Others							
1		Tool Set Radio	B-84		Hosan				No Good
2		Tool Set Enginne			Mitami/Deuts				Good
3		Scraw Drivers							Good
4		Solder Sucker	GS-100		Taiyo				Good
5		Solder Gun							Damaged
6		Electric Grinding Machine	TG 6 D		Wolf				Damaged

STATUS OF TROUBLES

SITE NAME : TANJUNG UBAN

TGU-38-(1/3)

Item / Equipment	E/G Panel Controller / -		
Manufacturer	JRC		
Manufacturer in year	1990		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input checked="" type="checkbox"/> Aging		
	<input type="checkbox"/> Lightning		
	<input type="checkbox"/> Corrosion		
	<input checked="" type="checkbox"/> Lack of Spares		
	<input type="checkbox"/> Others		
<p><u>General Comment for Maintenance:</u></p> <p>In accordance with operational hours and total equipment; the total personnel is not enough, it is needed technician and motor for maintenance the equipment</p> <p>Connecting to the above condition, So the repairing must be waiting for along time</p> <p>Needed the availability of spare part of TX and SAR Console</p> <p>Needed training to upgrade the capable of human resources</p>			

Repairing to be:

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

STATUS OF TROUBLES

SITE NAME : TANJUNG UBAN

TGU-38-(2/3)

Item / Equipment	Sar Console / III		
Manufacturer	JRC		
Manufacturer in year	1989		
Defective panel / unit	Signal Controller		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input checked="" type="checkbox"/> Aging		
	<input type="checkbox"/> Lightning		
	<input type="checkbox"/> Corrosion		
	<input checked="" type="checkbox"/> Lack of Spares		
	<input type="checkbox"/> Others		
Repairing to be:		<input checked="" type="checkbox"/> Immediacy	
		<input type="checkbox"/> By next year budget	
		<input type="checkbox"/> By next project	
		<input type="checkbox"/> Unnecessary	
General Comment for Maintenance:			

STATUS OF TROUBLES

SITE NAME : TANJUNG UBAN

TGU-38-(3/3)

Item / Equipment	Local Exchanger /		
Manufacturer	JRC		
Manufacturer in year	1989		
Defective panel / unit	Main Control		
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 checked="" type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			

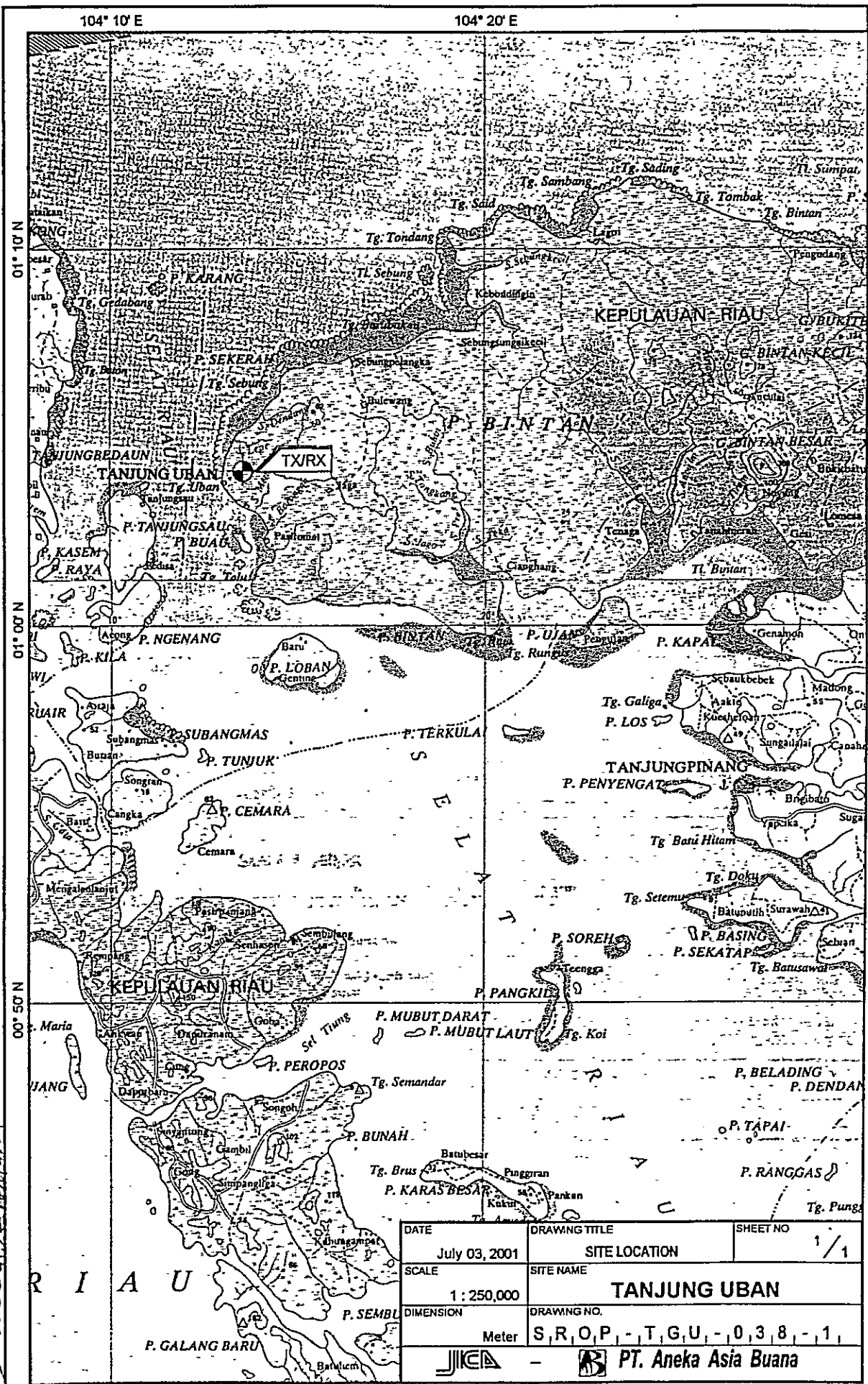
OPERATION SCHEDULE (FREQUENCIES)

Site Name: Tanjung Uban

TGU-038-(1/1)

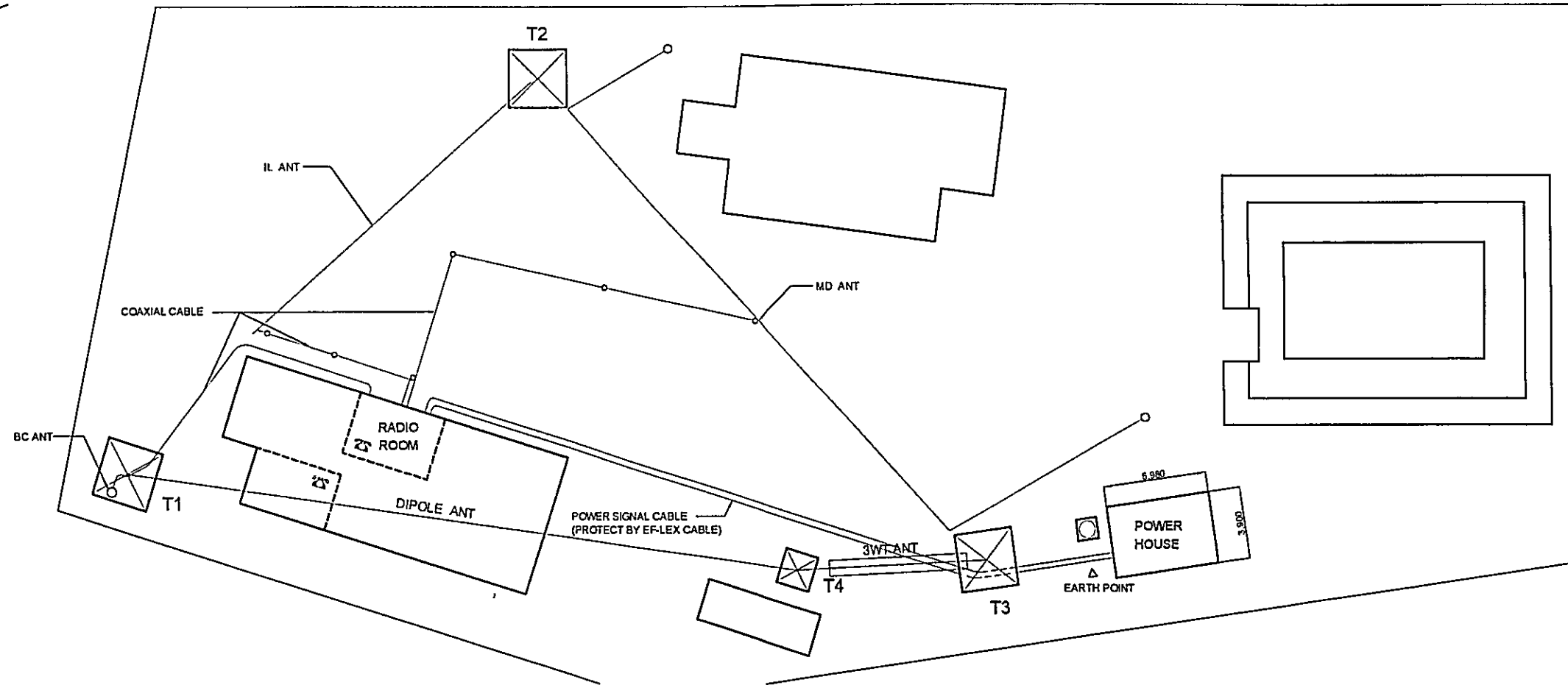
Call Sign : Mobile Service : PKJ
Fix Service : 8AH

FREQUENCY (KHz)	EMISSION	POWER (W)	UTC																								REMARK
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mobile Service																											
1	J3E	250																									
2	J3E	250																									
3	J3E	250																									
4	J3E	250																									
VHF Service																											
5	G3E	50																									
6	G3E	25																									
7	G3E	25																									
8	G3E	25																									
9	G3E	50																									
Fix Service																											
10	J3E	100																									
11	J3E	100																									
12	J3E	100																									
13	J3E	250																									
14	J3E	250																									
15	J3E	250																									
16	J3E	250																									
17	J3E	250																									
18																											
19																											
20																											
21																											
22																											
23																											



DRAWN BY AAB
 APPROVED BY JICA
 17/07/2002

DATE	DRAWING TITLE	SHEET NO
July 03, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 250,000	TANJUNG UBAN	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - T, G, U, - 0, 3, 8, - 1,	

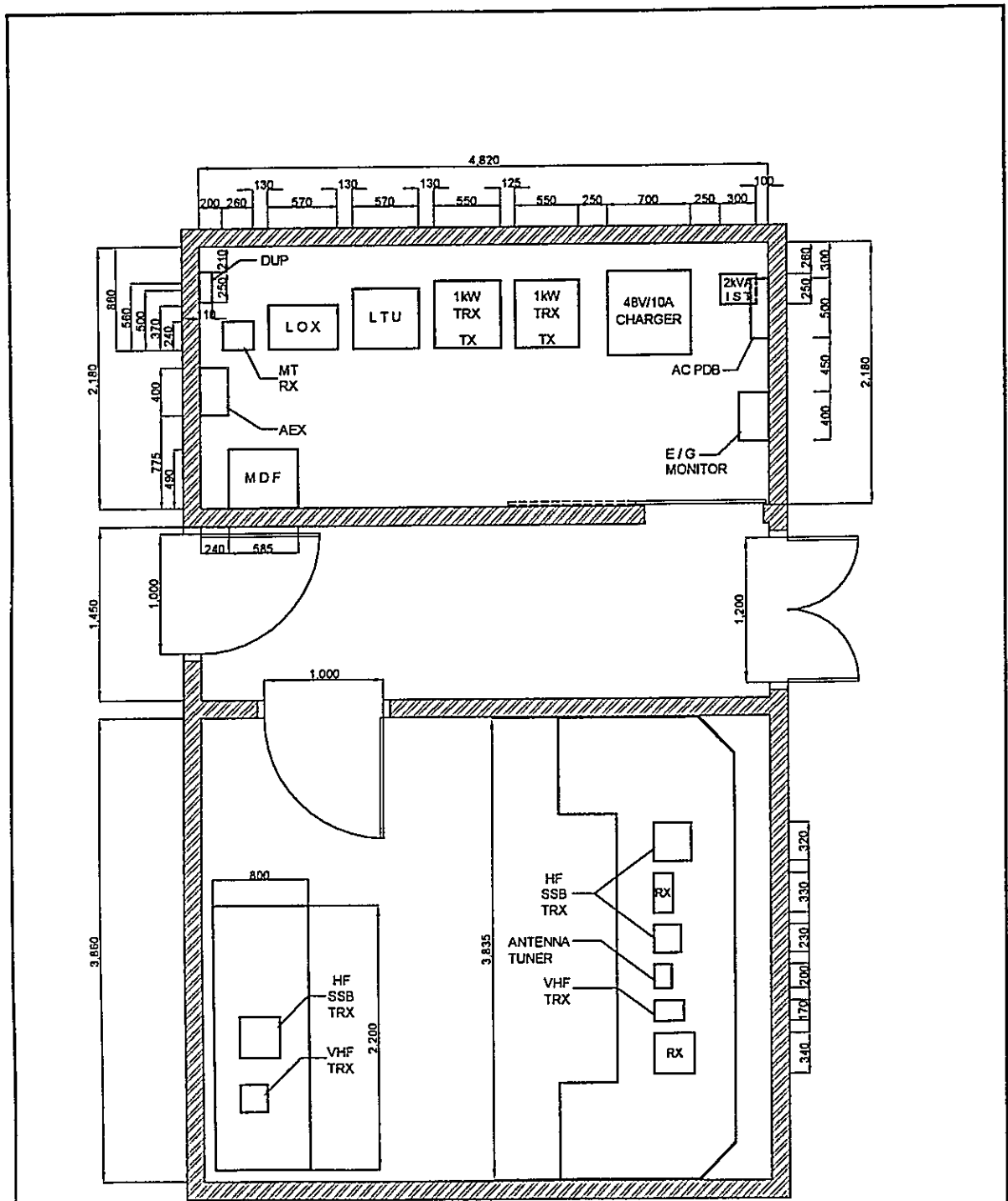


LEGEND

- ANT : ANTENNA
- BC : BROWN CARDIOID
- IL : INVERTED L
- MD : MULTI DOUBLET
- T : TOWER
- ☎ : TELEPHONE

DATE June 22, 2001	DRAWING TITLE ANTENNA LAYOUT	SHEET NO. 1/1
SCALE 1 : 300	SITE NAME TANJUNG UBAN	
DIMENSION Millimeter	DRAWING NO. S ₁ R ₁ O ₁ P ₁ -T ₁ G ₁ U ₁ -0 ₁ 3 ₁ 8 ₁ -2 ₁	
- PT. Aneka Asia Buana		

DRAWN BY ASB
 APPROVED BY JICA



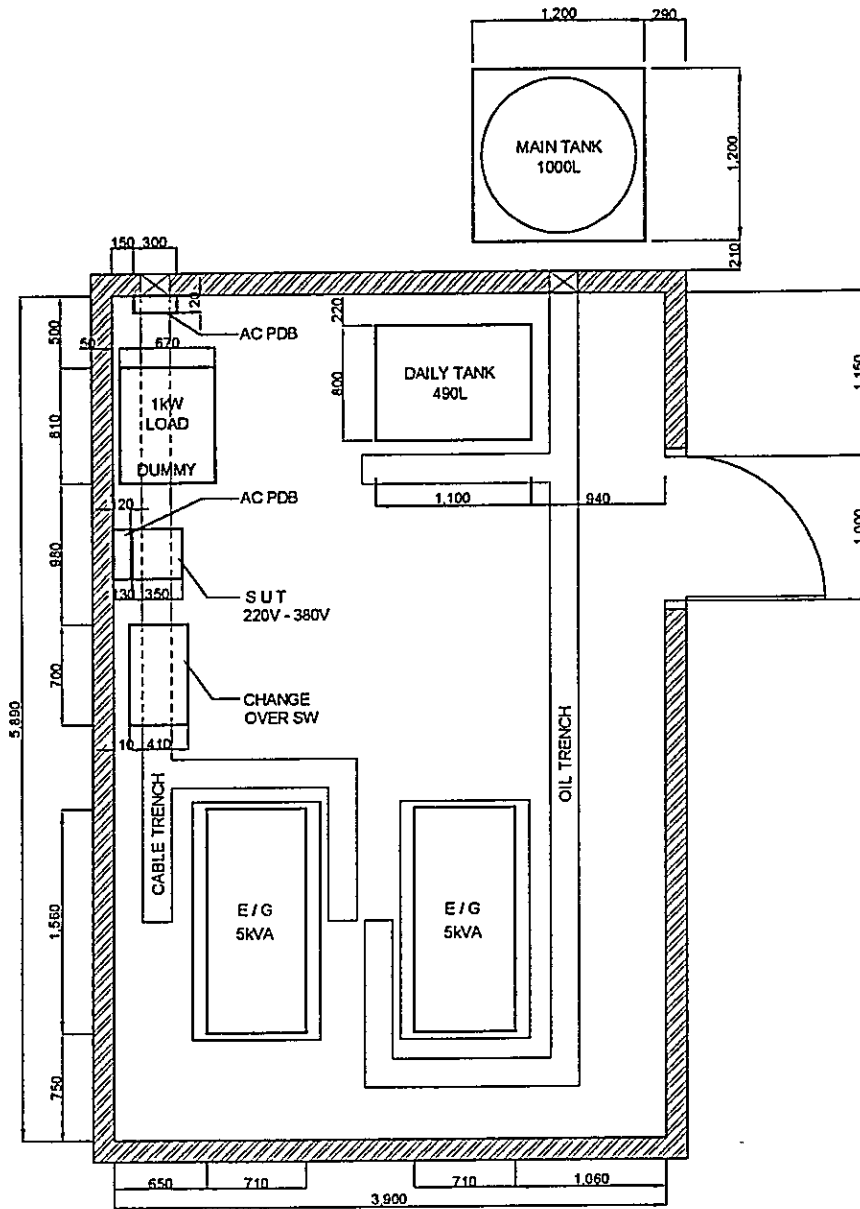
DRAWN BY AAB

APPROVED BY JICA

LEGEND

- | | | | |
|-----|-----------------------|-----|-------------------------|
| A | AMPERE | LTU | LOCAL TERMINAL UNIT |
| AEX | ANTENNA EXCHANGER | MDF | MAIN DISTRIBUTION FRAME |
| DUP | DUPLEXER | MT | MULTI TERMINAL |
| E/G | ENGINE / GENERATOR | RX | RECEIVER (ING) |
| HF | HIGH FREQUENCY | TRX | TRANSMITTER (ING) |
| IST | ISOLATION TRANSFORMER | V | VOLT |
| KVA | KILO VOLT AMPERE | VHF | VERY HIGH FREQUENCY |

DATE	DRAWING TITLE	SHEET NO
June 21, 2001	EQUIPMENT FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	TANJUNG UBAN	
DIMENSION	DRAWING NO	
Millimeter	S R O P - T G U - 0 3 8 - 3	

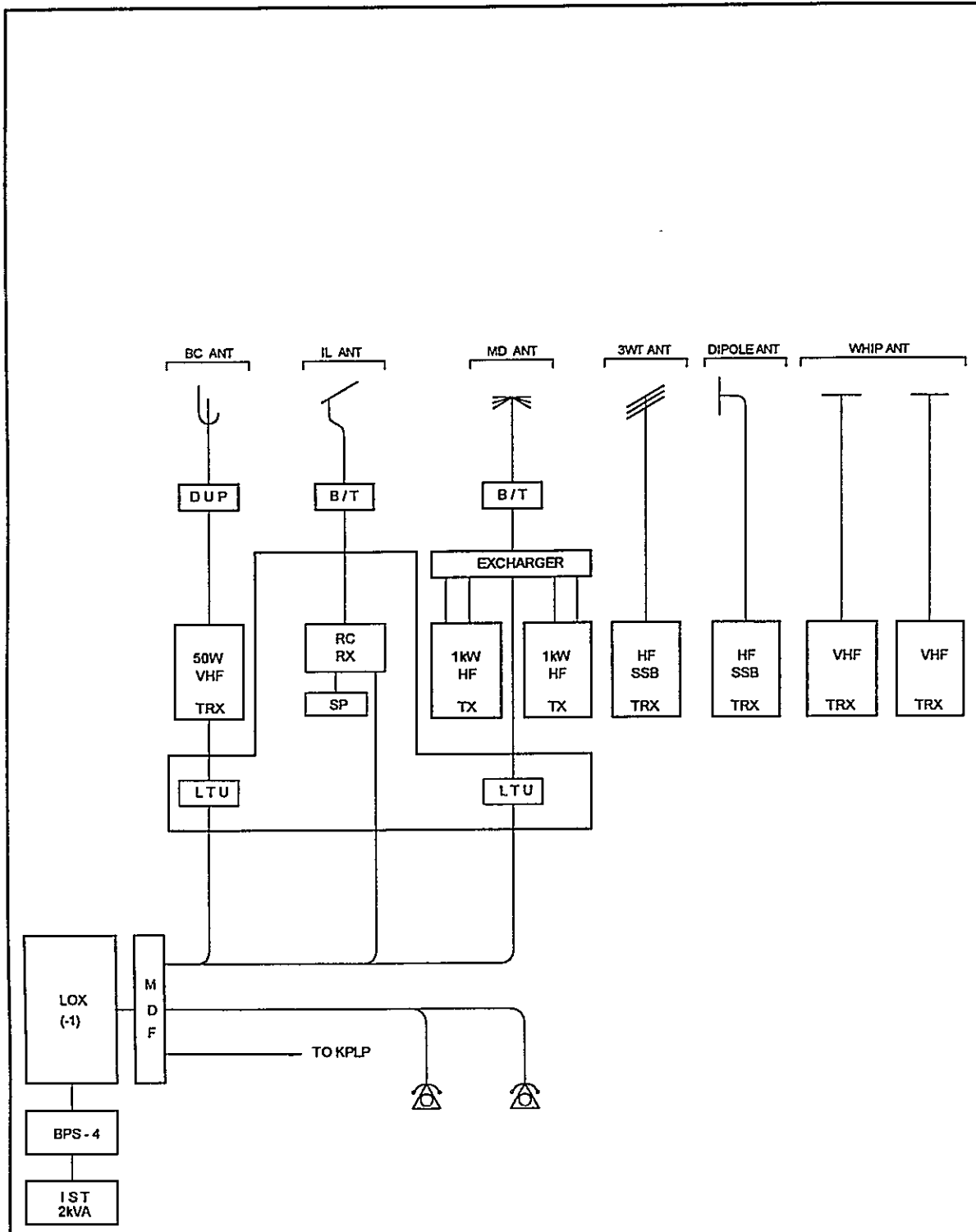


DRAWN BY: *[Signature]*
 APPROVED BY JICA: *[Signature]*

LEGEND

- AC ALTERNATING CURRENT
- KW KILO WATT
- L LITER
- PDB POWER DISTRIBUTION BOARD
- SUT STEP - UP TRANSFORMER
- V VOLT

DATE	DRAWING TITLE	SHEET NO
June 21, 2001	E/G FLOOR LAYOUT	1/1
SCALE	SITE NAME	
1 : 50	TANJUNG UBAN	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, -, T, G, U, -, 0, 3, 8, -, 4, 1	



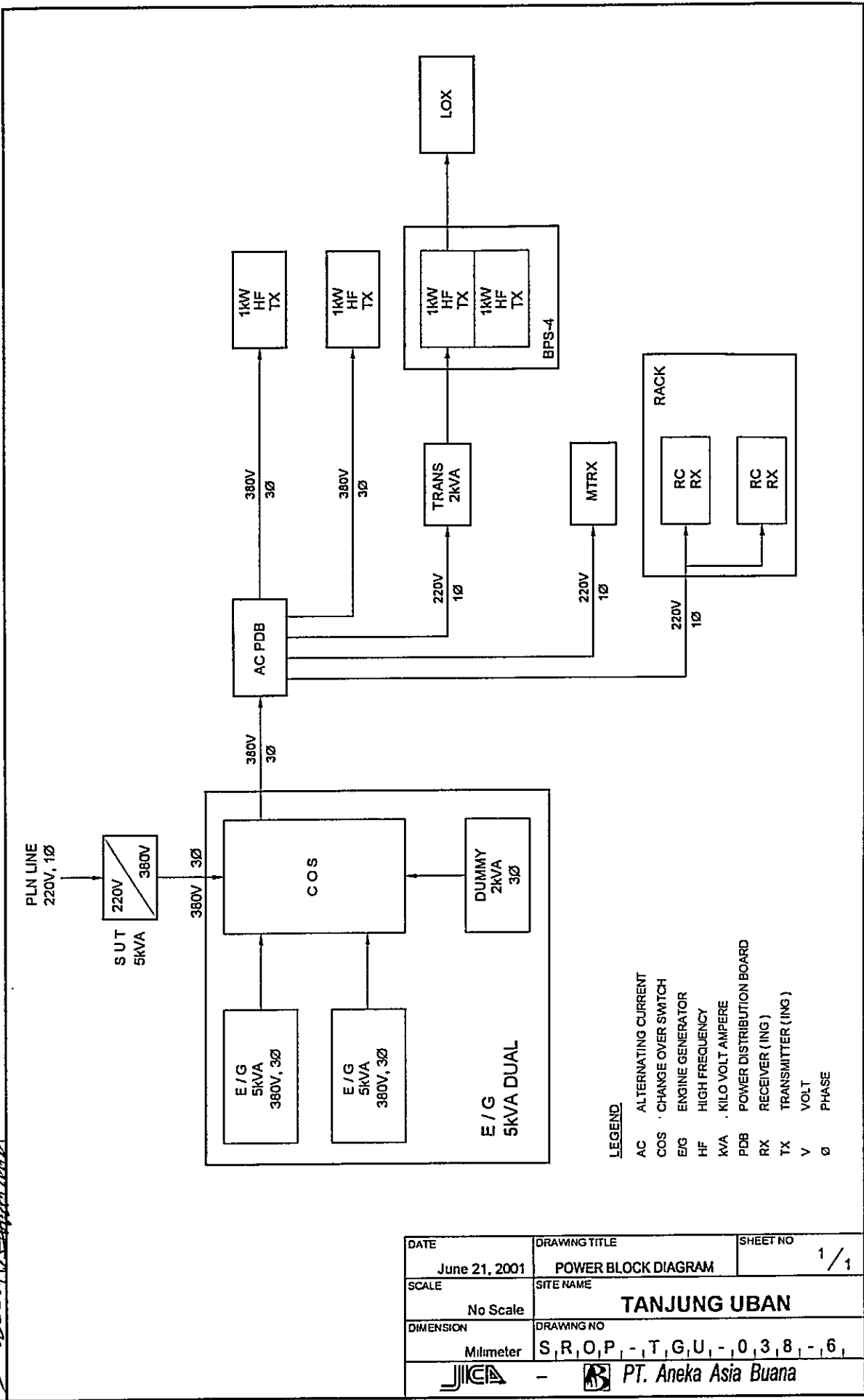
LEGEND

- | | |
|-----------------------------|-------------------------------|
| ANT . ANTENNA | LTU . LOCAL TERMINAL UNIT |
| BC . BROWN CARDIOD | MD . MULTI DOUBLET |
| B/T . BALUNS TRANS | MDF . MAIN DISTRIBUTION FRAME |
| DUP . DUPLEXER | RX . RECEIVER (ING) |
| HF . HIGH FREQUENCY | TRX . TRANSCIVER (ING) |
| IL . INVERTED L | TX . TRANSMITTER (ING) |
| IST . ISOLATION TRANSFORMER | VHF . VERY HIGH FREQUENCY |
| KVA . KILO VOLT AMPERE | W . WATT |

DATE June 21, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO. 1/1
SCALE No Scale	SITE NAME TANJUNG UBAN	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - T, G, U, - 0, 3, 8, - 5	
- PT. Aneka Asia Buana		

APPROVED BY JICA
 DRAWN BY A.A.R.

DRAWN BY AAB
 King
 APPROVED BY JICA



- LEGEND**
- AC ALTERNATING CURRENT
 - COS CHANGE OVER SWITCH
 - E/G ENGINE GENERATOR
 - HF HIGH FREQUENCY
 - KVA KILO VOLT AMPERE
 - PDB POWER DISTRIBUTION BOARD
 - RX RECEIVER (ING)
 - TX TRANSMITTER (ING)
 - V VOLT
 - Ø PHASE

DATE June 21, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME TANJUNG UBAN	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - , T, G, U, - , 0, 3, 8, - , 6,	
- PT. Aneka Asia Buana		

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

**3rd Class Coast Station
Sei Kolak Kijang
(Coast Station No. 39)**

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	SEI KOLAK KIJANG		
	CLASS	3rd	NO.	39

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Industri, Kijang	0771-313502		104° 36' 31" E	00° 51' 04" N

2. GENERAL CONDITIONS					
Moving from Jakarta	Site Access from Port	Road Traffic	Accommodation	Population	
By Air to Batam [Taking time: 2:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel		
By Ship to Tg. Pinang [Taking time: 1:00 hr.]	<input checked="" type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Motel		
By Car to Kijang [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 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"/> Reclamation	<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/> <input type="checkbox"/> Grounding system
<input checked="" type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/> <input type="checkbox"/> Lightning system
Altitude	1.00 M		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	5,000 m ²		<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water

3.2 Building Conditions		3.3 Power Source				
Constructions		PLN Source	E/G	Existing Power Conditions		
Num. of story	One	Voltage	220 V	220 V	Good Bad	
Structure	Concrete	Phase	3	3	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System	
Type of roof	Asbestos	Wire	4	4	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	Triplex	kVA	23	5	<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	100 Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter	
Room Area (m ²)		Power interruption /month	6 Times	E/G Stand-by System		
Operation room	32.5	Total interpt. hours /month	18 Hours	<input checked="" type="checkbox"/> Single System		
E / G room	20.00	Max. interpt. hours at once	14 Hours	<input type="checkbox"/> Dual System		
Remark	Marine Safety Facility Project; All sailor and T & T equipment installed in Tg. Pinang have been relocated in Sei Kolak Kijang Coast Station					

4. OPERATION AND MAINTENANCE				5. PERSONNEL FORMATIONS				
Actions taken in equipment failure						TX/RX		
Restoration flow	Repaired in Disnav Tg. Pinang			Chief			1	
Examples of major failure	PA (VHF) Unit			Operator (skilled)			13 (6) 0	
Sufficiency of spares				Technician (skilled)			2 0 0	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall			Good Bad					
<input type="checkbox"/> Storm			<input type="checkbox"/> <input checked="" type="checkbox"/> External noises	Total		16		
<input checked="" type="checkbox"/> Lightning	PA Unit for VHF							
<input checked="" type="checkbox"/> Other calamity	Damaged by lightening							
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	PRE	II	Surabaya	1998	1
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Operator	C-III	Dumai	1988	2
4 Number of Operator	<input checked="" type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Operator	Oru	Belawan	1989	1
5 Number of Technician	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough					
6 Capability of Operator	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					
7 Capability of Technician	<input type="checkbox"/> Skilled	<input checked="" type="checkbox"/> Not so bad	<input type="checkbox"/> Not capable					

SUMMARY OF COAST STATION	SITE	SEI KOLAK KIJANG		
	CLASS	3rd	NO.	39

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		12			1991	358			1996	385		
1997		7			1992	371			1997	405		
1998		8			1993	377			1998	412		
1999		6	8		1994	402			1999	395		
2000		10	6		1995	369			2000	426		

7. COMMENTS

Suggestion	
Remarks	All eqpt. installed (Sailor and T & T) at Tg Pinang have been relocated to Sei Kolak Kijang Coast Station.

INVENTORY

Site Name: Sei Kolak Kijang

SKK-039- (1 / 3)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		Transmitter	T-2131	497123	Sailor	1997	PKFP-Jakarta		Good
2		Transmitter	T-2131	497124	Sailor	1997	PKFP-Jakarta		Good
3		SSB Transmitter	SBX-100-EX	72187	Canada	1985			
1-2		Operator Console/Desk/Rack							
1-2-1		MF/HF Radio Console	RM-16-3		Sailor	1997	PKFP-Jakarta		
1		MF/HF Equipment							
		- MF/HF Watchkeeping Receiver	RM2150	511376	Sailor	1997	PKFP-Jakarta		Good
		- CW-Unit	H2185	492988	Sailor	1997	PKFP-Jakarta		Good
		- CW-Unit	H2185	492990	Sailor	1997	PKFP-Jakarta		Good
		- Antenna Distributor	AAD101/A-J1-6G		AAS	1997	PKFP-Jakarta		
		- Matching Box				1997	PKFP-Jakarta		
		- PSU Unit	N2165	505042	Sailor	1997	PKFP-Jakarta		
		- PSU Unit	PSF-1/240	TWQ/17317/18		1997	PKFP-Jakarta		
		All Wave Receiver							
2		- Control & Receiver Unit	RE2100	502043	Sailor	1997	PKFP-Jakarta		
		- Control & Receiver Unit	RE2100	502048	Sailor	1997	PKFP-Jakarta		
		- Duplex Receiver	R2120T	494627	Sailor	1997	PKFP-Jakarta		
		- Duplex Receiver	R2120T	491798	Sailor	1997	PKFP-Jakarta		
		- Loudspeaker	M2054		Sailor	1997	PKFP-Jakarta		
3		Terminal Unit (DSC VHF/HF)							
		- DSC System	TT-2600A		T & T	1997	PKFP-Jakarta		Good
		- Remote Telex/DSC Alarm	TT-1542B		T & T	1997	PKFP-Jakarta		
		- LAN	TT-101064	11A1A1	T & T	1997	PKFP-Jakarta		
		- CPU	TT-101051	11A2A1	T & T	1997	PKFP-Jakarta		
		- Parallel	TT-101190	11A3A1	T & T	1997	PKFP-Jakarta		
		- VHF Modem	TT-102239	11A4A1	T & T	1997	PKFP-Jakarta		
		- HF Modem	TT-102237	11A5A1	T & T	1997	PKFP-Jakarta		
		- Matching Box			T & T	1997	PKFP-Jakarta		
		- Power Supply	TT-101122	11A18A	T & T	1997	PKFP-Jakarta		

INVENTORY

Site Name: Sei Kolak Kijang

SKK-039- (2 / 3)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
4		- Power Supply	NI63S	532AF05CB904	Sailor	1997	PKFP-Jakarta		Good
		- Power Supply	N420						
		- Operation Position	TT-3634A						
		- Compact Proline							
		- Compact 473 Colour Monitor							
		- Compact KPQ-E99 Keyboard							
		- Monitor	TT-3602E						
		- Printer OKI Microline 280	M1252A						
		- Printer OKI Microline 280	H1252A						
		- Signal Control Panel							
5		- Audio Matrix	MTX-1616	166	JPS	1997	PKFP-Jakarta		Good
		- Keyboard Keyer	KK-1						
		- Amplidan Key							
		- Handset for RTU with Duration							
		- Timer							
		- Telephone Repeater (Phone Patch)							
		- Radio Telephone Interface							
		- ARQ Equipment							
		- Radio Telex Modem							
		- Keyboard							
6		- Receiver	RTU-282	219	JPS	1997	PKFP-Jakarta		Good
		- Receiver Protection Unit							
		- Aerial Coupler							
		- Aerial Coupler							
		- AC PSU Unit							
		- AC PSU Unit							
		- VHF System							
		- VHF							
		- VHF Radio Console							
		- Multichannel VHF Transceiver							
1-3		- Duplex Filter	TT-1585E		T & T	1997	PKFP-Jakarta		Good
		- Power Amplifier	TT-1601A						
1-4		- Power Amplifier	DXP-V175		Teletec	1997	PKFP-Jakarta		Damaged
1		- Power Amplifier	RT.2048	503276	Sailor	1997	PKFP-Jakarta		Good
2		- Power Amplifier	RH-16-1		Sailor	1997	PKFP-Jakarta		Good
3		- Power Amplifier			Sailor	1997	PKFP-Jakarta		Good

INVENTORY

Site Name: Sei Kolak Kijang

SKK-039- (3 / 3)

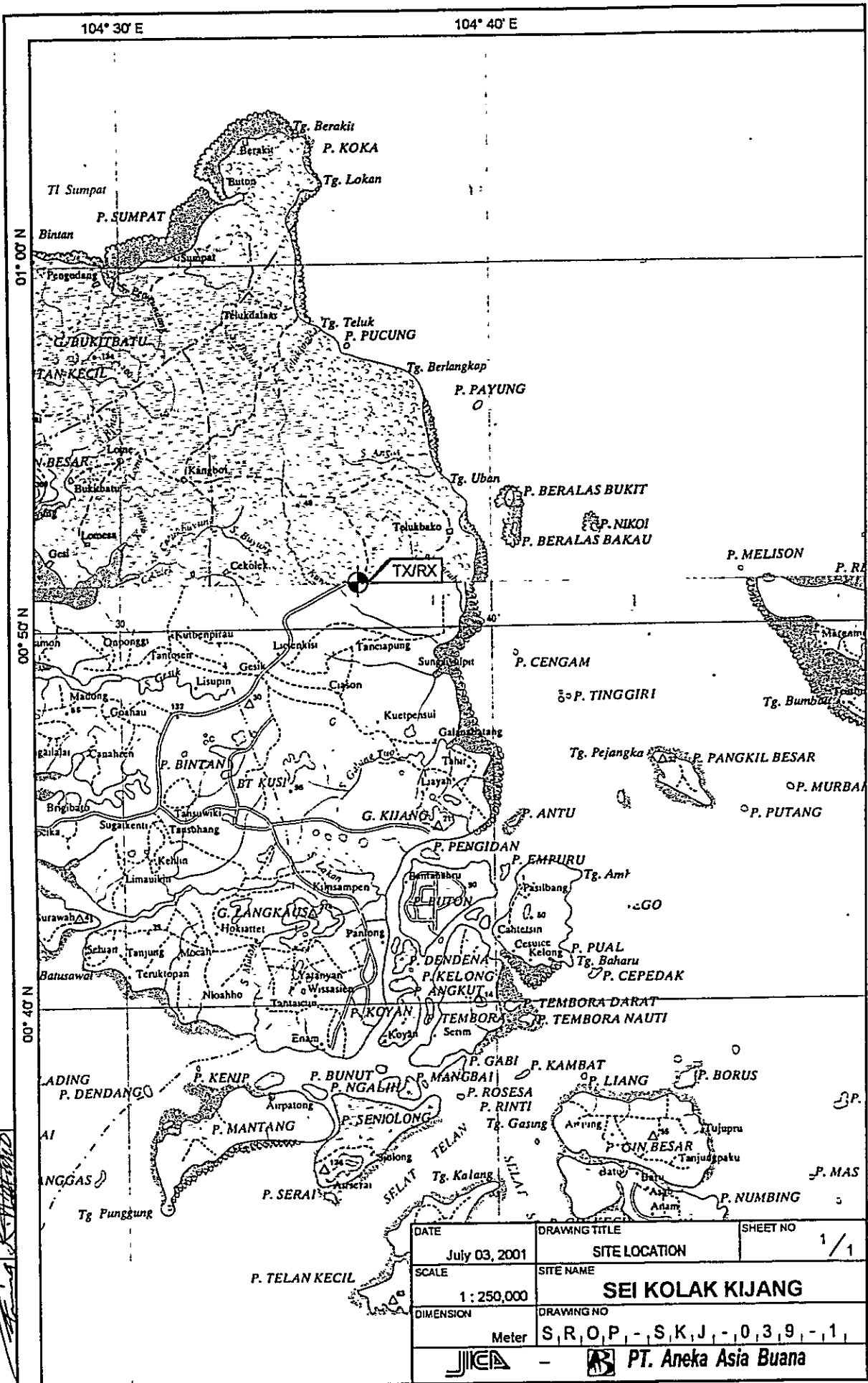
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
4		CH-70 VHF T/R - Relay Box Term Equipt. (DSC VHF/HF)				1997	PKFP-Jakarta		Good
5		- Audio Matrix Telephone Repeter	MTX-1616	167	JPS	1997	PKFP-Jakarta		Good
6		- Radio Telephone Interface - Quartz Clock	RTU-280	197	JPS	1997 1997	PKFP-Jakarta PKFP-Jakarta		Good
2		Tower & Antenna System							
2-1		Antenna System			Canada	1985			
1		Dipole Antenna							
3		Power Supply Equipment							
3-1		Power Distribution Board							
1		Panel Distribution Board				1997	PKFP-Jakarta		
2		Cam switches	QS-5.63P			1997	PKFP-Jakarta		
3-2		Step-Up Transformer							
1		Trafo Set-Up	IT T-75	S.281-3	Salicru	1997	PKFP-Jakarta		Good
3-3		UPS & AVR							
1		Power Supply	NIS-20			1985			
2		Accumulator 150AH							
3		Accu Charger							
4		AVR							
3-4		Engine Generator E/G Monitor Panel			Salucru	1997	PKFP-Jakarta		Good
1						1997	PKFP-Jakarta		
4		Measuring Equipment							
1		AVO Meter	TR.360		SANWA	1989			

STATUS OF TROUBLES

SITE NAME : SEI KOLAK KIJANG

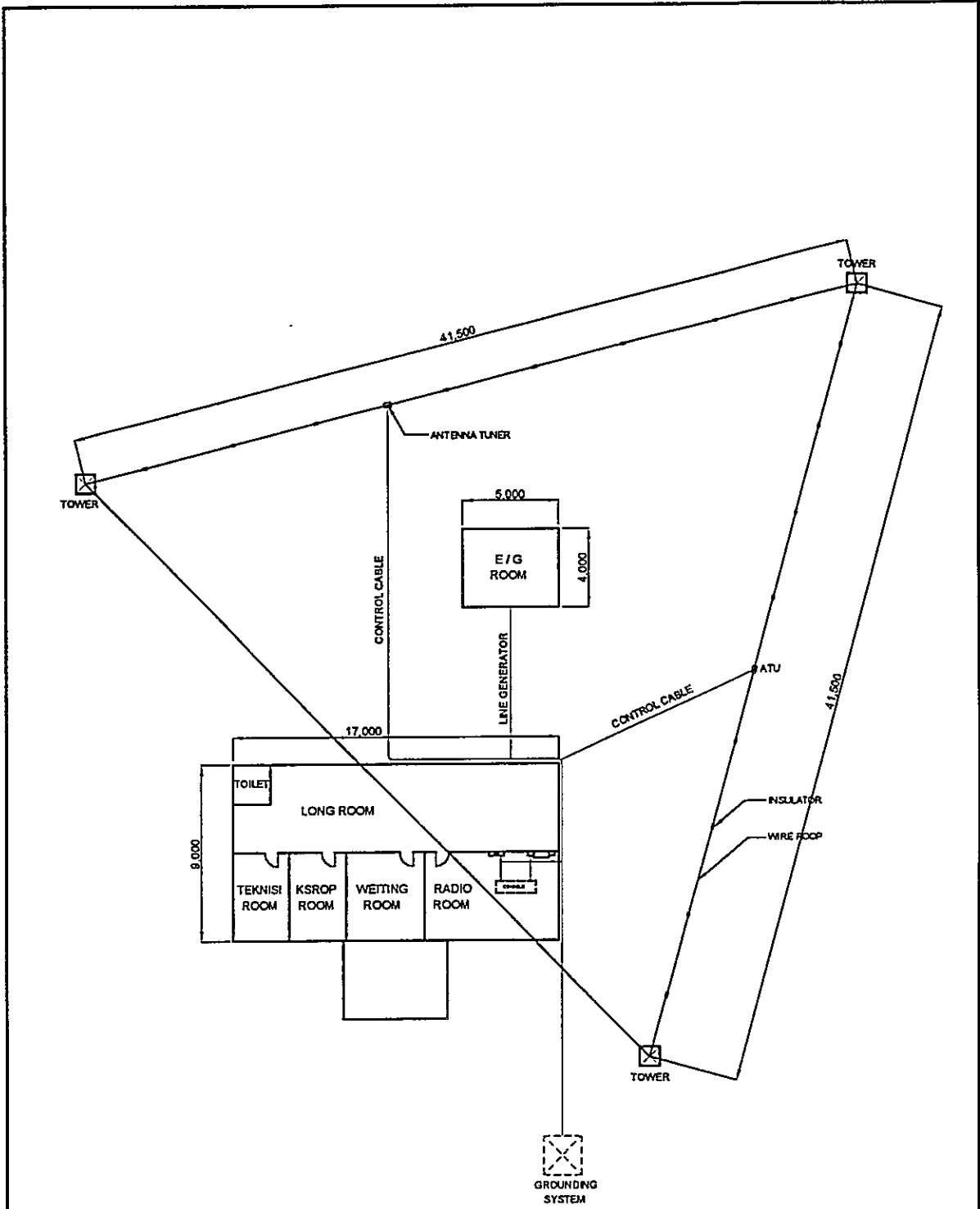
SKJ-39-(1/1)

Item / Equipment	PA (VHF) Unit / -		
Manufacturer	Denmark		
Manufacturer in year	1996		
Defective panel / unit	Does not functioning well		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input type="checkbox"/> Aging		
	<input checked="" type="checkbox"/> Lightning		
	<input type="checkbox"/> Corrosion		
	<input checked="" type="checkbox"/> Lack of Spares		
<input type="checkbox"/> Others	Repairing to be:		
		<input checked="" type="checkbox"/> Immediacy	
		<input type="checkbox"/> By next year budget	
		<input type="checkbox"/> By next project	
		<input type="checkbox"/> Unnecessary	
<u>General Comment for Maintenance:</u>			
<p>PA (VHF) Unit damaged, causing Band VHF Communication can not functioned, it is for Mobile Service (CH. 16) or Distress Monitoring (CH.70).</p> <p>Relating to difficulties of spare part but the equipment is needed urgently, in order to function again</p> <p>We request the above mentioned equipment can be repaired or change by the new one</p>			



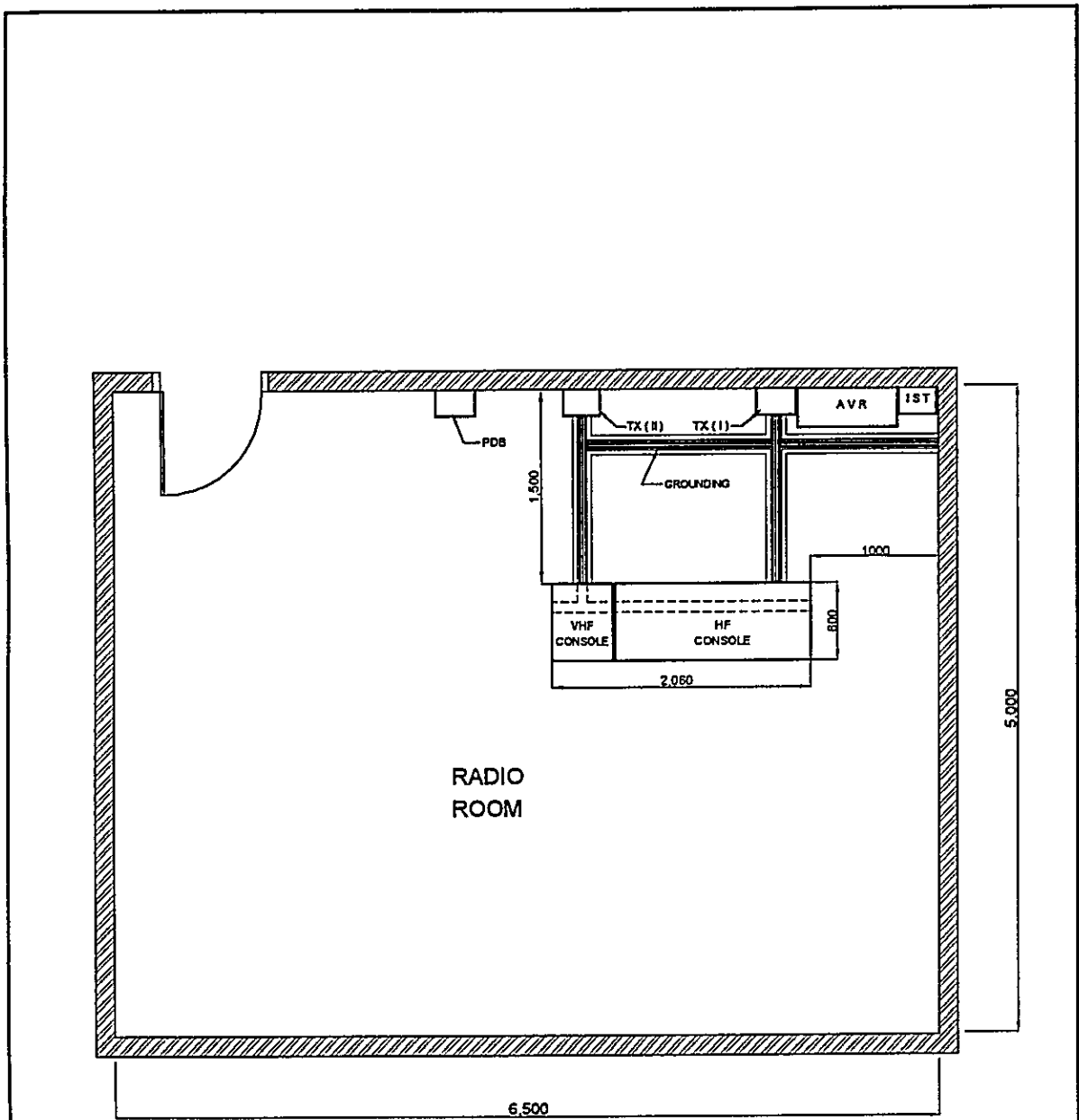
APPROVED BY JICA
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO
July 03, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 250,000	SEI KOLAK KIJANG	
DIMENSION	DRAWING NO	
Meter	S R O P - S K J - 0 3 9 - 1	
JICA - PT. Aneka Asia Buana		



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

DATE	DRAWING TITLE	SHEET NO
June 25, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 300	SEI KOLAK KIJANG	
DIMENSION	DRAWING NO	
Millimeter	S, R, O, P, -, S, K, J, -, 0, 3, 9, -, 2, 1	
- PT. Aneka Asia Buana		

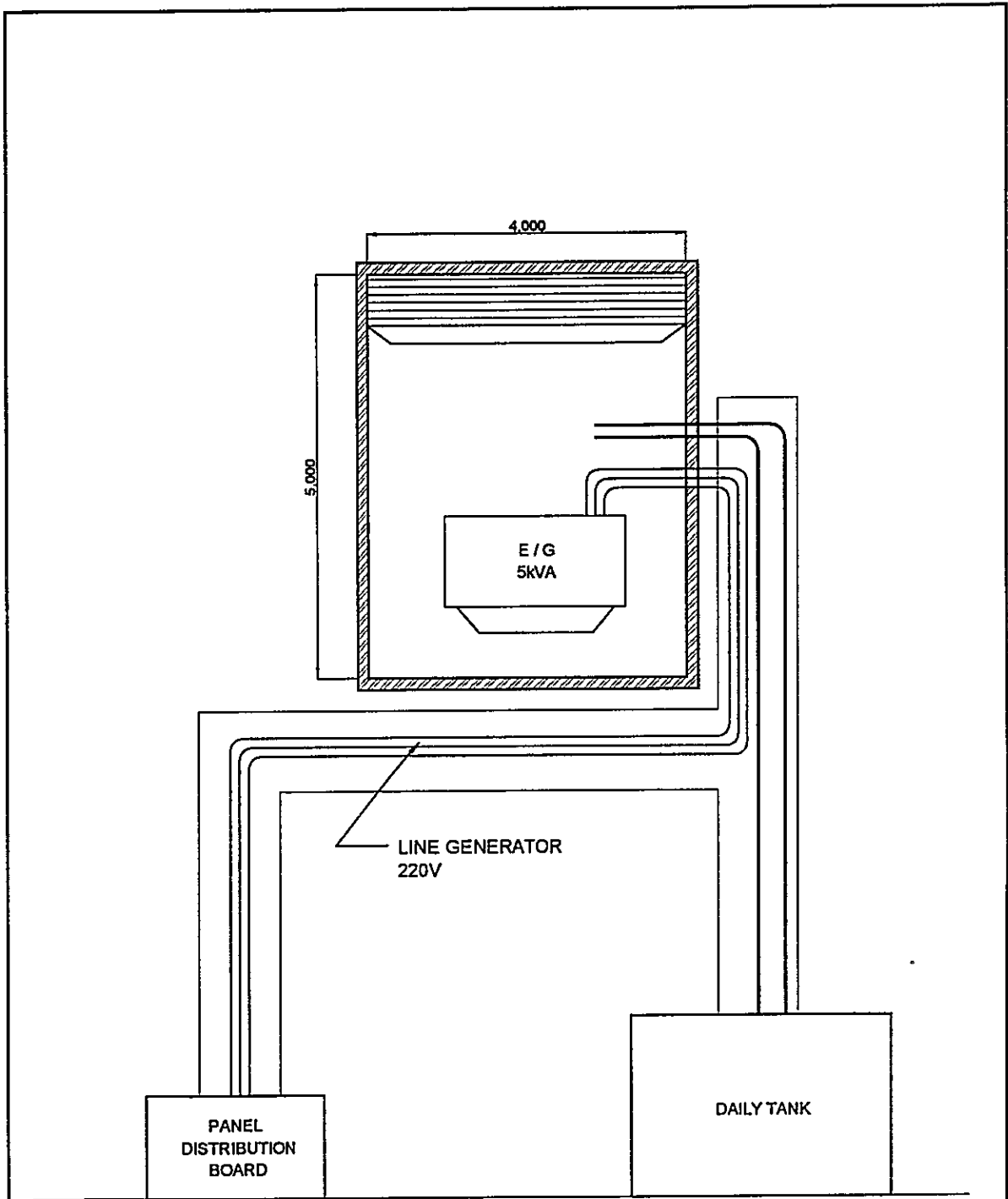


RADIO ROOM

DRAWN BY AAB
 APPROVED BY JICA

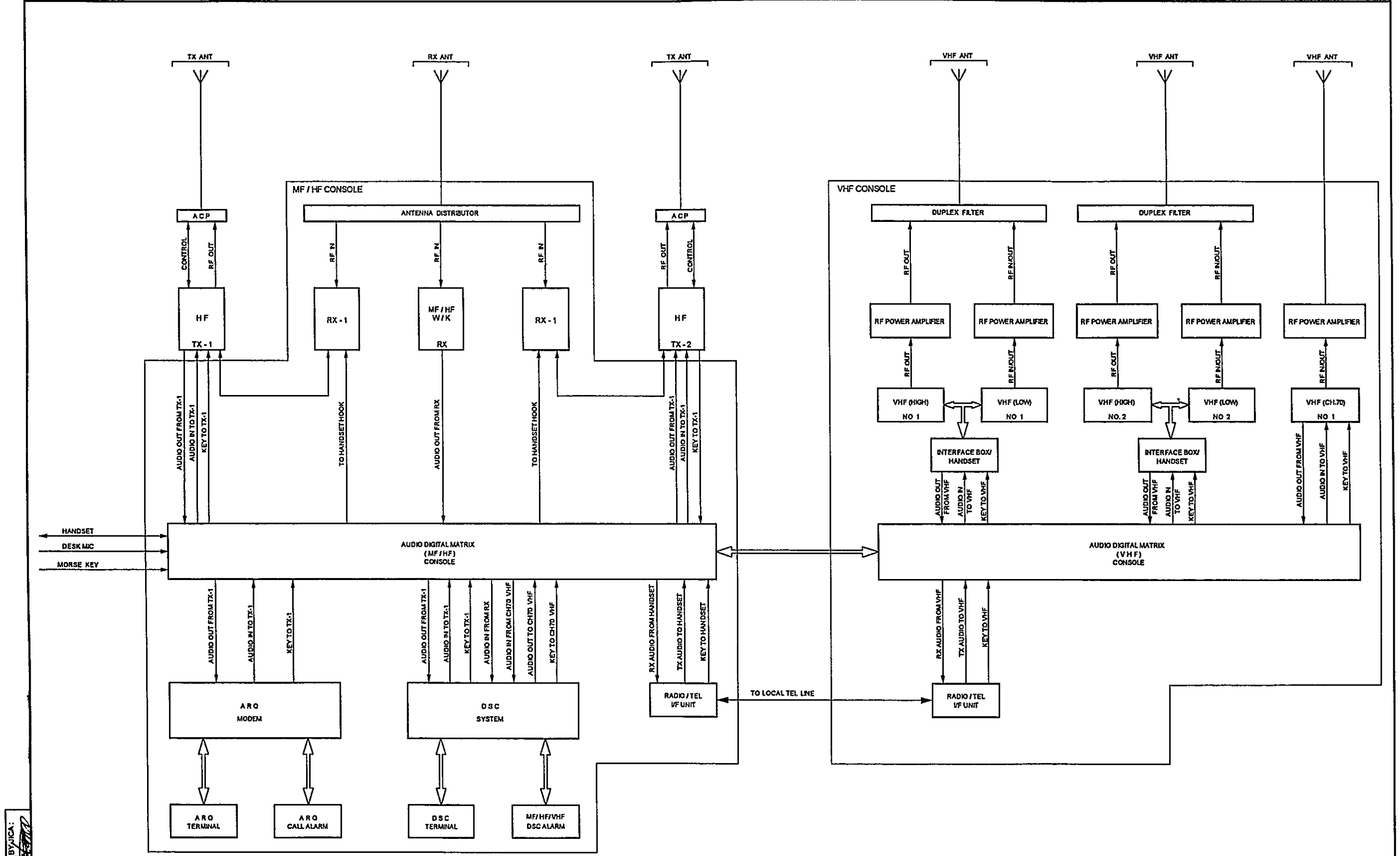
- LEGEND**
- AVR : AUTOMATIC VOLTAGE REGULATOR
 - HF : HIGH FREQUENCY
 - IST : ISOLATION TRANSFORMER
 - TX : TRANSMITTER
 - PDB : POWER DISTRIBUTION BOARD
 - VHF : VERY HIGH FREQUENCY

DATE	DRAWING TITLE	SHEET NO
June 25, 2001	EQUIPMENT FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 20	SEI KOLAK KIJANG	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, -, S, K, J, -, 0, 3, 9, -, 3, 1	
- PT. Aneka Asia Buana		



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

DATE June 25, 2001	DRAWING TITLE E/G FLOOR LAYOUT	SHEET NO 1/1
SCALE 1 : 75	SITE NAME SEI KOLAK KIJANG	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, K, J, -, 0, 3, 9, -, 4, 1	
- PT. Aneka Asia Buana		

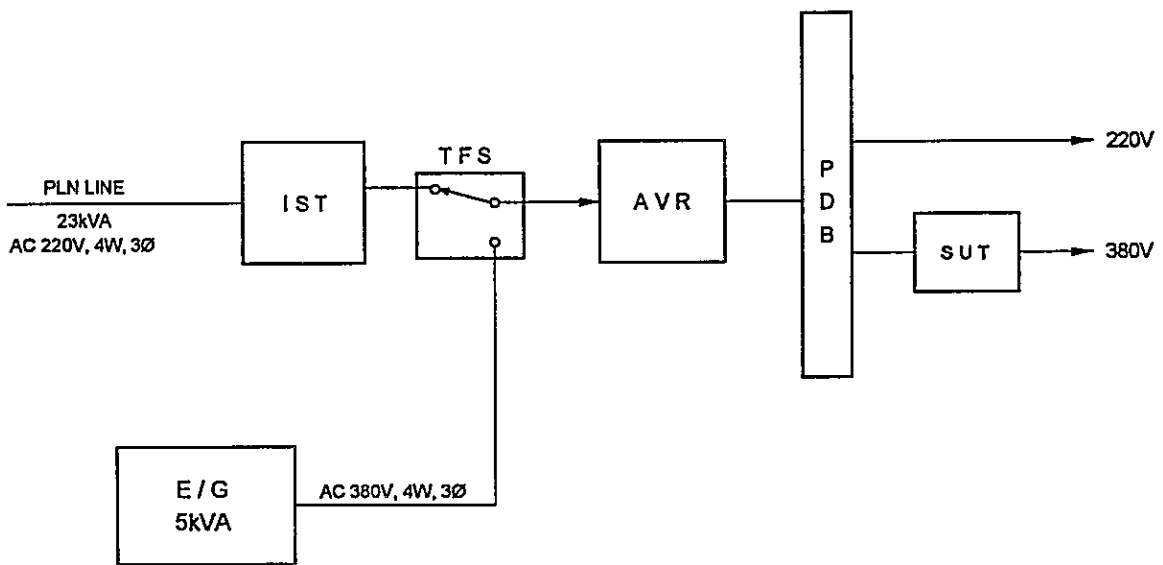


DRAWN BY: A.B. - 9
 APPROVED BY: JICA: *[Signature]*

LEGEND

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



DATE	DRAWING TITLE	SHEET NO
June 22, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	SEI KOLAK KIJANG	
DIMENSION	DRAWING NO.	
Millimeter	S.R.O.P. - S.K.J. - 039 - 5	



LEGEND

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

DRAWN BY AAB
 APPROVED BY JICA


DATE	DRAWING TITLE	SHEET NO
June 22, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	SEI KOLAK KIJANG	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, -, S, K, J, -, 0, 3, 9, -, 6, 1	
 -  PT. Aneka Asia Buana		