

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

## 1st Class Coast Station **Belawan** (Coast Station No. 10)

### Table of Content

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

- | RX                                    | TX                                    | Drawings:              |
|---------------------------------------|---------------------------------------|------------------------|
| <input checked="" type="checkbox"/> * | <input checked="" type="checkbox"/> * | Site Location          |
| <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | Antenna Layout         |
| <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | Equipment Floor Layout |
| <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | E/G Floor Layout       |
| <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | System Block Diagram   |
| <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | Power Block Diagram    |

Note :

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

<b>SUMMARY OF COAST STATION</b>	SITE	BELAWAN		
	CLASS	1st	NO.	10

<b>4. CONDITIONS OF TRANSMITTING STATION (Continued)</b>						Refer to attached drawing	
<b>Building Conditions</b>				<b>Power Source</b>			
<b>Constructions</b>			<b>PLN Source</b>	<b>E/G</b>	<b>Existing Power Conditions</b>		
Num. of story	One	Voltage	380 V	380 V	Good	Bad	
Structure	Concrete	Phase	3	3	<input checked="" type="checkbox"/>	<input type="checkbox"/> Power Supply System	
Type of roof	Asbestos	Wire	4	4	<input checked="" type="checkbox"/>	<input type="checkbox"/> Operations of E/G	
Type of ceiling	Zinc	kVA	47.5	55	<input type="checkbox"/>	<input checked="" type="checkbox"/> Operations of AVR	
Type of wall	Brick	<b>Quality of PLN source</b>			<b>Capacity of fuel for engine</b>		
Wall finish	Painting	Fluctuations	380 V ± 10 %		Day tank	120 Liter	
Flooring	Ceramic	Availability of power per day	24 Hours		Main tank	7.5 k Liter	
<b>Room Area (m<sup>2</sup>)</b>		<b>Power interruption /month</b>		18 Times	<b>E/G Stand-by System</b>		
Operation room	104.00	<b>Total interpt. hours /month</b>		40 Hours	<input type="checkbox"/> Single System		
E / G room	108.00	<b>Max. interpt. hours at once</b>		18 Hours	<input checked="" type="checkbox"/> Dual System		
<b>Remark</b>							

<b>5. OPERATION AND MAINTENANCE</b>				<b>6. PERSONNEL FORMATIONS</b>				
<b>Actions taken in equipment failure</b>					<b>RX</b>	<b>TX</b>		
Restoration flow	Repaired by himself			Chief	1			
Examples of major failure	Lightning and Power (PLN) disturbance			Operator (skilled)	2644 (12)	0		
Sufficiency of spares	Not enough			Technician (skilled)	2 (2)	14 (2)		
<b>Records of damages</b>		<b>Environmental Conditions</b>		Administrator	6			
<input type="checkbox"/> Heavy rainfall		Good	Bad					
<input type="checkbox"/> Storm		<input checked="" type="checkbox"/>	<input type="checkbox"/>	External noises	Total	35	14	
<input checked="" type="checkbox"/> Lightning	Tower (55M & 65M)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air pollution				
<input type="checkbox"/> Other calamity								
<b>Institutional and Human Statuses</b>				<b>Training Record</b>				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Pre	I/II	Jakarta		6
3 Measuring eqpt./tools	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Oru		Jakarta		15
4 Number of Operator	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	TP	II	Jakarta		10
5 Number of Technician	<input type="checkbox"/> Enough	<input checked="" type="checkbox"/> Reasonable	<input type="checkbox"/> Not enough	Operator	Oru	Jakarta		21
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					

<b>7. STATISTICAL COMMUNICATION TRAFFIC DATA</b>												
<b>Maritime Safety</b>					<b>Public Telecommunication Service</b>							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996	16				1991	666	3,761	3,688	1996	753	3,683	2,05
1997	37				1992	668	4,033	3,271	1997	423	2,467	1,501
1998	38				1993	618	3,631	2,982	1998	332	1,581	1,109
1999	29				1994	879	5,506	2,487	1999	420	1,844	812
2000	16				1995	727	3,874	2,379	2000	249	1,257	880

<b>8. COMMENTS</b>	
Suggestion	In RX St: E/G 110V 1 Phase 10 kVA need to be changed by a bigger as 35 kVA 3 Phase 220V with automatic operation For maintenance purposes we need handy talky And also motor Cycle for maintenance of radio equipment within Sarcom Area-I Medan-Belawan
Remarks	

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>BELAWAN</b>		
	<b>CLASS</b>	<b>1st</b>	<b>NO.</b>	<b>10</b>

<b>1. LOCATION</b>					
<b>Station</b>	<b>Address</b>	<b>Tel.</b>	<b>Fax</b>	<b>Longitude</b>	<b>Latitude</b>
RX	Jl. Bagan Deli, Belawan	6941203	6941474	98° 41' 52" E	03° 46' 50" N
TX	Jl. Titi Pahlawan, Labuhan Deli	685151		98° 40' 08" E	03° 43' 17" N

<b>2. GENERAL CONDITIONS</b>					
<b>Moving from Jakarta</b>		<b>Site Access from Port</b>	<b>Road Traffic</b>	<b>Accommodation</b>	<b>Population</b>
By Air	to Medan [Taking time: 2:00 hr.]	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	7,000,000
By Car	to Belawan [Taking time: 0.48 hr.]	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
		<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

<b>3. CONDITIONS OF RECEIVING STATION</b>	Refer to attached drawing
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<b>3.1 Site Conditions</b>					
<b>Topography</b>	<b>Nature of Soil</b>		<b>Past disaster of site</b>	<b>Confirmation of existing system</b>	
<input checked="" type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input checked="" type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
<b>Altitude</b>	3.00 M		<b>Telephone Lines</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
<b>Land area</b>	21,750 m <sup>2</sup>		<input checked="" type="checkbox"/> 3 Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> City water
<b>3.2 Building Conditions</b>			<b>3.3 Power Source</b>		
<b>Constructions</b>		<b>PLN Source</b>	<b>E/G</b>	<b>Existing Power Conditions</b>	
Num. of story	One	Voltage	380 V	380 V	Good Bad
Structure	Concrete	Phase	3	3	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	4	4	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Asbestos	kVA	-	55	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR
Type of wall	Brick	<b>Quality of PLN source</b>		<b>Capacity of fuel for engine</b>	
Wall finish	Painting	Fluctuations	220 V ± 10 %		Day tank
Flooring	Tile	Availability of power per day	24 Hours	Main tank	40 Liter
<b>Room Area (m<sup>2</sup>)</b>		<b>Power interruption /month</b>	17 Times	<b>E/G Stand-by System</b>	
Operation room	154.00	<b>Total interpt. hours /month</b>	65 Hours	<input type="checkbox"/> Single System	
E / G room	21.00	<b>Max. interpt. hours at once</b>	18 Hours	<input checked="" type="checkbox"/> Dual System	
<b>Remark</b>					

<b>4. CONDITIONS OF TRANSMITTING STATION</b>	Refer to attached drawing
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<b>Site Conditions</b>					
<b>Topography</b>	<b>Nature of Soil</b>		<b>Past disaster of site</b>	<b>Confirmation of existing system</b>	
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input checked="" type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input checked="" type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
<b>Altitude</b>	4.00 m		<b>Telephone Lines</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
<b>Land area</b>	19,970 m <sup>2</sup>		<input checked="" type="checkbox"/> Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> City water

# INVENTORY

Site Nama: Belawan

BLW-010- (1 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment Transmitter							
1-1		1 kW MF Mobile Transmitter	JRS-713AM	JF-00032	JRC	1997	F-TA-193: PH2		PS damage
2		1 kW HF DSC Transmitter	JRS-713AM	BS-63489	JRC	1995	F-TA-193: PH3		Good
3		1 kW HF NBDP Transmitter	JRS-713AM	BS-63490	JRC	1995	F-TA-193: PH3		PS damage
4		1 kW HF FIX COM Transmitter	JRS-713BM	BS-63520	JRC	1995	F-TA-193: PH3		Good
5		1kW HF Transmitter	JRS-106 NB	BS-62076	JRC	1990	SAR Project		Exc damage
6		1kW HF Transmitter	JRS-106 NB	BS-62077	JRC	1990	SAR Project		Good
7		1kW HF Transmitter	JRS-106 NB	BS-62103	JRC	1989	F-TA-193: PH2		Good
8		1kW HF Transmitter	JRS-106 NB	BS-62112	JRC	1989	F-TA-193: PH2		Good
9		1kW MF/HF Transmitter	JRS-106 NB	BS-62102	JRC	1989	F-TA-193: PH2		Good
10		1kW MF Transmitter	JRS-108 P	BS-62119	JRC	1989	F-TA-193: PH2		Good
11		1kW MF Transmitter	JRS-108 P	BS-62002	JRC	1987	F-TA-193: PH1		Good
12		1kW HF Transmitter	JRS-106 NB	BS-61397	JRC	1987	F-TA-193: PH1		PS damage
13		1kW MF/HF TP Transmitter	8RZ-153	CC-1700/S1	Philips	1969			Good
14		1kW HF TP Transmitter	8RZ-153	CC-1700/S2	Philips	1969			Damage
15		1kW MF TG Transmitter	8RZ-159	S1	Philips	1969			Damage
16		1kW MF TG Transmitter	8RZ-159	S2	Philips	1969			Damage
17		1kW MF TP Transmitter	8RZ-159	S3	Philips	1969			Damage
18		1kW TP Transmitter	8RZ-153	S2	Philips	1969			Damage
19		1kW FIX SSB Transmitter	8RZ-813/1		Philips	1969			Damage
20		1kW FIX ISB Transmitter	8RZ-153/1		Philips	1969			Damage
21		100W SSB Transceiver	NS-11A	5320042	Furuno	1978			Damage
22		100W SSB Transceiver	SR-206		Philips				Damage
1-2		Remote Control System							
1		Multiplex Radio	JUP-450	EM-11505	JRC	1985	F-TA-193: PH1		Good
2		Multiplex Radio	JUP-450	EM-11506	JRC	1985	F-TA-193: PH1		Good
3		Multiplex Radio	JUP-450	EM-11507	JRC	1985	F-TA-193: PH1		Good
4		Multiplex Radio	JUP-450	EM-11508	JRC	1985	F-TA-193: PH1		Good
5		Multiplex Terminal	JUF-5A	EP-11842	JRC	1985	F-TA-193: PH1		Good
6		Multiplex Terminal	JUF-5A	EP-11843	JRC	1985	F-TA-193: PH1		Good

Belawan

# INVENTORY

Site Nama: Belawan

BLW-010-(2/14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
7		UHF Link	8SR-860	407	Philips	1969			Damage
8		UHF Link	8SR-860	421	Philips	1969			Damage
9		UHF Link	8SR-860	449	Philips	1969			Damage
10		UHF Link	8SR-860	437	Philips	1969			Damage
11		DRCS-BS (Radio Bay)	NUL-148A	ET-12098-1	JRC	1990	SAR Project		Good
12		DRCS-BS (Digital Interface Bay)	NUL-93A	ET-12098-2	JRC	1990	SAR Project		Good
13		Local Exchange	JUX-150D2	EQ-15888	JRC	1989	F-TA-193; PH2		Damage
14		Voice Frequency Telegraph	JUT-1A	EQ-12840	JRC	1985	F-TA-193; PH1		Unuse
15		Voice Frequency Telegraph	JUT-1A	EQ-12841	JRC	1985	F-TA-193; PH1		Unuse
16		Remote Control Rack	GED-1090B	BP-90943	JRC	1987	F-TA-193; PH2		Unuse
17		Remote Control Rack	GED-1110A	BP-91818	JRC	1989	SAR Project		Good
18		Remote Control Rack	GED-1110B	BP-91929	JRC	1989	SAR Project		Good
19		Local Terminal Unit	JCC-300LR8	BP-91766	JRC	1989	F-TA-193; PH2		Good
20		Local Terminal Unit	JCC-300LR8	BP-91767	JRC	1989	F-TA-193; PH2		Good
21		Local Terminal Unit	JCC-300LR8	BP-91768	JRC	1989	F-TA-193; PH2		Good
22		Local Terminal Unit	JCC-300LR	BP-91828	JRC	1989	F-TA-193; PH2		Good
23		Local Terminal Unit	JCC-300LR	BP-91829	JRC	1989	SAR Project		Good
24		Local Terminal Unit	JCC-300LR8W	BP-89313	JRC	1989	SAR Project		Good
25		Telecontroller	NCH-300D	BP-91751	JRC	1985	F-TA-193; PH1		Good
26		Telecontroller	NCH-300P	BP-91783	JRC	1989	F-TA-193; PH2		Good
27		Telecontroller	NCH-300P	BP-91784	JRC	1989	F-TA-193; PH2		Good
28		Main Distribution Frame	NQE-40A2	EQ-12829	JRC	1985	SAR Project		Good
29		Main Distribution Frame	NQE-40A2	EQ-12830	JRC	1985	F-TA-193; PH1		Good
1-3		Operator Console/Desk/Rack							
1-3-1		Search & Monitor Console							
1		Search & Monitor Console	NCA-564B	BP-89352	JRC	1985	F-TA-193; PH1		Good
2		Receiver	NRD-93	BR-33375	JRC	1985	F-TA-193; PH1		Good
3		Scanning Unit	NDH-93	BR-35453	JRC	1985	F-TA-193; PH1		Good
4		Speaker Panel	NVA-64G		JRC	1985	F-TA-193; PH1		Good
5		500 kHz AA Rec.	JXA-15A	BA-20743	JRC	1985	F-TA-193; PH1		Good
6		2182 kHz AA Rec.	JXA-8A	BA-21041	JRC	1985	F-TA-193; PH1		Good
7		Auto Direction Finder	JLR-1002	MF-12475	JRC	1985	F-TA-193; PH1		Good
8		Independent Clock	QA-513		JRC	1985	F-TA-193; PH1		Good

Belawan

# INVENTORY

Site Nama: Belawan

BLW-010- (3 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
9		Power Supply	NBK-31B		JRC	1985	F-TA-193: PH1		Good
10		500 kHz AA Buzzer	BZ-18	BA-20743	JRC	1985	F-TA-193: PH1		Good
11		Power Unit	NBA-3579	BP-20743	JRC	1985	F-TA-193: PH1		Good
12		Power Supply	NBA-1180	MF-12475	JRC	1985	F-TA-193: PH1		Good
13		Audio Select and Monitor	NCJ-280 B	BP-89376	JRC.	1985	F-TA-193: PH1		Good
14		Tape Recorder	X-2000 R	50603	TEAC	1985	F-TA-193: PH1		Good
1-3-2		MF TP Console	NCA-822A	JF-31756	JRC	1997	F-TA-193: PH3		Good
1		Telephone Repeater	NQQ-31B	JF-31877	JRC	1997	F-TA-193: PH3		Good
2		Signal Controller	NQP-21	JF-31869	JRC	1997	F-TA-193: PH3		Good
3		Telecontroller	NCH-701	JF-31956	JRC	1997	F-TA-193: PH3		Good
4		Telecontroller	NCH-300P	BP-90907	JRC	1987	F-TA-193: PH2		Good
5		Receiver	NRD-93	BR-33369	JRC	1985	F-TA-193: PH1		Good
6		Receiver	NRD-93	BR-33371	JRC	1985	F-TA-193: PH1		Good
7		Scanning Unit	NDH-93	BR-35451	JRC	1985	F-TA-193: PH1		Good
8		Tx Selector	NCJ-676	JF-32057	JRC	1997	F-TA-193: PH3		Good
9		Speaker Panel	NVA-64-2		JRC	1997	F-TA-193: PH3		Good
10		Power Supply	NBK-31B		JRC	1985	F-TA-193: PH1		Good
11		Junction Box	NQD-3760		JRC	1997	F-TA-193: PH3		Good
12		Jack Panel	NQC-742A		JRC	1997	F-TA-193: PH3		Good
13		RF Panel	NQE-584C		JRC	1997	F-TA-193: PH3		Good
14		Clock (+7H)	6HCED00073		JRC	1997	F-TA-193: PH3		Good
1-3-3		HF TG/NBDP/TP Console							
1		Console	NCA-821A	JF31762	JRC	1997	F-TA-193: PH3		Good
2		Receiver	NRD-93	BR33372	JRC	1985	F-TA-193: PH3		Good
3		Receiver	NRD-93	BR41466	JRC	1985	F-TA-193: PH3		Good
4		Scanning Unit	NDH-93	BR35452	JRC	1985	F-TA-193: PH3		Good
5		Scanning Unit	NDH-93	BR35453	JRC	1985	F-TA-193: PH3		Good
6		Speaker Panel	NVA-64-2	BP-23741	JRC	1985	F-TA-193: PH3		Good
7		Speaker Panel	NVA-64-2	BP-23740	JRC	1985	F-TA-193: PH3		Good
8		Signal Controller	NQP-21-1	JF31869	JRC	1997	F-TA-193: PH3		Good
9		Signal Controller	NQP-21-1	JF31870	JRC	1997	F-TA-193: PH3		Good
10		Telephone Repeater	NQQ-31BB	JF31888	JRC	1997	F-TA-193: PH3		Good

Belawan

# INVENTORY

Site Nama: Belawan

BLW-010- (4 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
11		Telecontroller	NCH-300P	BP89298	JRC	1985	F-TA-193: PH3		Good
12		Telecontroller	NCH-300P	BP91752	JRC	1985	F-TA-193: PH3		Good
13		Telecontroller	NCH-701M		JRC	1985	F-TA-193: PH3		Good
14		System Rack	NCT-32S	JF31737	JRC	1997	F-TA-193: PH3		Good
15		FS MODEM	CHF-12A	JF31706	JRC	1997	F-TA-193: PH3		Good
16		CPU Interface	CDC-721A	JF31719	JRC	1997	F-TA-193: PH3		Good
17		Level Converter	CMH-1280B	JF31731	JRC	1997	F-TA-193: PH3		Good
18		Personal Computer	PC 300 GL	90-C8KM3	IBM	1997	F-TA-193: PH3		Good
19		CRT Display	6540-02E	66-A0988	IBM	1997	F-TA-193: PH3		Good
20		Keyboard	KB-8923	0156102	IBM	1997	F-TA-193: PH3		Good
21		Mouse		23-033646	IBM	1997	F-TA-193: PH3		Good
22		Software for NBDP/TELEX	7YLED1106	1	JRC	1997	F-TA-193: PH3		Good
23		Desk for Personal Computer	CD4-398	1	JRC	1997	F-TA-193: PH3		Good
24		Printer Rack	P-1020G	1	JRC	1997	F-TA-193: PH3		Good
25		Printer	LX-300	1YNY043635	EPSON	1997	F-TA-193: PH3		Good
26		Printer	LX-300	1YNY043958	EPSON	1997	F-TA-193: PH3		Good
27		Printer Auto-Switch	ASL-21(230)		JRC	1997	F-TA-193: PH3		Good
28		Power Supply	NQD-3759		JRC	1997	F-TA-193: PH3		Good
29		Power Supply	NQD-3759		JRC	1997	F-TA-193: PH3		Good
30		Junction Box	NRD-3759A		JRC	1997	F-TA-193: PH3		Good
31		Junction Box	NRD-3759A		JRC	1997	F-TA-193: PH3		Good
32		Jack Panel	NQC-742A		JRC	1997	F-TA-193: PH3		Good
33		Jack Panel	NQC-742A		JRC	1997	F-TA-193: PH3		Good
34		RF Jack Panel	NQE-584C		JRC	1997	F-TA-193: PH3		Good
35		RF Jack Panel	NQE-584C		JRC	1997	F-TA-193: PH3		Good
36		Power Supply	NQE-584C	1	JRC	1997	F-TA-193: PH3		Good
37		Power Supply	NBK-31	1	JRC	1997	F-TA-193: PH3		Good
38		Clock (+7H)	NBK-31A	1	JRC	1997	F-TA-193: PH3		Good
39		Key	6HCED00073		JRC	1997	F-TA-193: PH3		Good
40		Key	HK-704		JRC	1997	F-TA-193: PH3		Good
41		Headphone	HK-704	1	JRC	1997	F-TA-193: PH3		Good
42		Headset	ST-3		JRC	1997	F-TA-193: PH3		Good
43		Headset	NTR-3302		JRC	1997	F-TA-193: PH3		Good
44		Paper Tape Reader Puncher	NTR-3302		JRC	1997	F-TA-193: PH3		Good
			DPT-610A	1	JRC	1997	F-TA-193: PH3		Good

Belawan

# INVENTORY

Site Nama: Belawan

BLW-010- (5 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
45		Morse Converter	NGK-9	JF31745	JRC	1997	F-TA-193: PH3		Good
46		Software for NGK-9	7YRED0002	1		1997	F-TA-193: PH3		Good
47		Personal Computer	PC 300 GL	90-C8KH4	IBM	1997	F-TA-193: PH3		Good
48		CRT Display	6540-02E	66-47347	IBM	1997	F-TA-193: PH3		Good
49		Keyboard	KB-8923	0190187	IBM	1997	F-TA-193: PH3		Good
50		Mouse	LX-300	23-003572	IBM	1997	F-TA-193: PH3		Good
51		Printer	CD4-398	1YNY043969	EPSON	1997	F-TA-193: PH3		Good
52		Desk for Personal Computer		1		1997	F-TA-193: PH3		Good
1-3-4		FIX COMM. Console							
1		Console	NCA-823A	JF31766	JRC	1997	F-TA-193: PH3		Good
2		Receiver	NRD-93	BR33376	JRC	1985	F-TA-193: PH3		Good
3		Receiver	NRD-93	BR33440	JRC	1985	F-TA-193: PH3		Good
4		Speaker Panel	NVA-64-2	BP-23738	JRC	1985	F-TA-193: PH3		Good
5		Telecontroller	NCH-300P	BP91745	JRC	1985	F-TA-193: PH3		Good
6		Telecontroller	NCH-701M	BP98697	JRC	1985	F-TA-193: PH3		Good
7		Signal Controller	NQP-21-1	JF31871	JRC	1997	F-TA-193: PH3		Good
8		Audio & Key Switch	NCJ-400B	JF31861	JRC	1997	F-TA-193: PH3		Good
9		Telephone Repeater	NQQ-31BB	JF31890	JRC	1997	F-TA-193: PH3		Good
10		Common Repeater	NQQ-18GC	JF31941	JRC	1997	F-TA-193: PH3		Good
11		System Rack	NCT-32S	JF31738	JRC	1997	F-TA-193: PH3		Good
12		FS MODEM	CHF-12A	JF31707	JRC	1997	F-TA-193: PH3		Good
13		CPU Interface	CDC-721A	JF31720	JRC	1997	F-TA-193: PH3		Good
14		Personal Computer	PC 300 GL	90-C8KK9	IBM	1997	F-TA-193: PH3		Good
15		CRT Display	6540-02E	66-47629	IBM	1997	F-TA-193: PH3		Good
16		Keyboard	KB-8923	0156540	IBM	1997	F-TA-193: PH3		Good
17		Mouse	7YLED1105	23-003502	IBM	1997	F-TA-193: PH3		Good
18		Software for NBDP		1	JRC	1997	F-TA-193: PH3		Good
19		Desk for PC	CD4-398	1	JRC	1997	F-TA-193: PH3		Good
20		Junction Box	NQD-3761	1	JRC	1997	F-TA-193: PH3		Good
21		Power Supply	NBK-31	1	JRC	1997	F-TA-193: PH3		Good
22		Clock (+7H)	6HCED00073	1	JRC	1997	F-TA-193: PH3		Good
23		Jack Panel	NQC-742A	1	JRC	1997	F-TA-193: PH3		Good
24		RF Jack Panel	NQE-584C	1	JRC	1997	F-TA-193: PH3		Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
25		Headset	NTR-3302	1	JRC	1997	F-TA-193: PH3		Good
26		Printer Rack	P-1020G	1	JRC	1997	F-TA-193: PH3		Good
27		Printer	LX-300	1YNY043951 81J014039	EPSON	1997	F-TA-193: PH3		Good
1-3-5		DSC Console							
1		DSC Console (1U type)	NCA-783B	BP-98267	JRC	1995	F-TA-193: PH3		Good
2		Junction Box	NQD-3655B		JRC	1995	F-TA-193: PH3		Good
3		Power Supply	NBK-31		JRC	1995	F-TA-193: PH3		Good
4		Telecontroller	NCH-701M	BP-98696	JRC	1995	F-TA-193: PH3		Good
5		Personal Computer DX4/100	PC100		IBM	1995	F-TA-193: PH3		Good
6		CRT Display	6542 - 105		IBM	1995	F-TA-193: PH3		Good
7		System Floppy Disk (DSC)	7YLED10101		IBM	1995	F-TA-193: PH3		Good
8		Master Clock	NKH-100	BP-99582	JRC	1995	F-TA-193: PH3		Good
9		Printer	LX-300	0771447	EPSON	1995	F-TA-193: PH3		Good
1-3-6		DSC Rack							
1		DSC W/K RX Rack (2U type)	GED-1249A	BP-98297	JRC	1995	F-TA-193: PH3		Good
2		RF Jack Panel	NQE-584R-C		JRC	1995	F-TA-193: PH3		Good
3		Junction Box	NQD-3631A		JRC	1995	F-TA-193: PH3		Good
4		ALM Buzzer	CCD-242		JRC	1995	F-TA-193: PH3		Good
5		DSC W/K Receiver	NRD-740	BR-69382	JRC	1995	F-TA-193: PH3		Good
6		DSC W/K Receiver	NRD-740	BR-69383	JRC	1995	F-TA-193: PH3		Good
7		DSC W/K Receiver	NRD-740	BR-69384	JRC	1995	F-TA-193: PH3		Good
8		DSC W/K Receiver	NRD-740	BR-69385	JRC	1995	F-TA-193: PH3		Good
9		DSC W/K Receiver	NRD-740	BR-69386	JRC	1995	F-TA-193: PH3		Good
10		DSC W/K Receiver	NRD-740	BR-69387	JRC	1995	F-TA-193: PH3		Good
11		DSC W/K Receiver	NRD-740	BR-69388	JRC	1995	F-TA-193: PH3		Good
12		DSC W/K Receiver	NRD-740	BR-69389	JRC	1995	F-TA-193: PH3		Good
13		DSC W/K Receiver	NRD-740	BR-69390	JRC	1995	F-TA-193: PH3		Good
14		DSC W/K Receiver	NRD-740	BR-69391	JRC	1995	F-TA-193: PH3		Good
15		RX Controller	NCJ-536A	BP-98369	JRC	1995	F-TA-193: PH3		Good
16		RX Controller	NCJ-536A	BP-98370	JRC	1995	F-TA-193: PH3		Good
17		Antenna Multi-coupler	NAJ-110A	BC-19361	JRC	1995	F-TA-193: PH3		Good
18		1600kHz High Pass Filter	CFK-2	BC-19346	JRC	1995	F-TA-193: PH3		Good

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BLW-010- (7 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
19		System Rack	NCT-32	BP-98539	JRC	1995	F-TA-193: PH3		Good
20		DSC DEM	CND-129A	BP-98445	JRC	1995	F-TA-193: PH3		Good
21		DSC DEM	CND-129A	BP-98446	JRC	1995	F-TA-193: PH3		Good
22		DSC DEM	CND-129A	BP-98447	JRC	1995	F-TA-193: PH3		Good
23		DSC MOD	CNM-159A	BP-98489	JRC	1995	F-TA-193: PH3		Good
24		VHF DSC Modem (CH 70)	CNM-158A	BP-98515	JRC	1995	F-TA-193: PH3		Good
25		CPU IF	CDC-721A	BP-98409	JRC	1995	F-TA-193: PH3		Good
26		Power Supply	NBA-3979C	BP-98552	JRC	1995	F-TA-193: PH3		Good
1-3-7		NBDP Console							
1		Console (2U Type)	NCA-784A	BP-98277	JRC	1995	F-TA-193: PH3		Good
2		Jack Panel	NQC-742A		JRC	1995	F-TA-193: PH3		Good
3		RF Jack Panel	NQE-584C		JRC	1995	F-TA-193: PH3		Good
4		Junction Box	NQD-3654A		JRC	1995	F-TA-193: PH3		Good
5		Power Supply	NBK-31		JRC	1995	F-TA-193: PH3		Good
6		Receiver	NRD-93	BR-69355	JRC	1995	F-TA-193: PH3		Good
7		Receiver	NRD-93	BR-69356	JRC	1995	F-TA-193: PH3		Good
8		Hybrid	CB721S-S		JRC	1995	F-TA-193: PH3		Good
9		Speaker Panel	NVA-64-2		JRC	1995	F-TA-193: PH3		Good
10		Telecontroller	NCH-701M	BP-98695	JRC	1995	F-TA-193: PH3		Good
11		Signal Controller	NQP-21-1	BP-98625	JRC	1995	F-TA-193: PH3		Good
12		Telephone Repeater	NQQ-31BA	BP-98638	JRC	1995	F-TA-193: PH3		Good
13		System Rack	NCT-32S-A	BP-98565	JRC	1995	F-TA-193: PH3		Good
14		FS Modem	CHF-12A	BP-98389	JRC	1995	F-TA-193: PH3		Good
15		CPU IF	CDC-721A	BP-98410	JRC	1995	F-TA-193: PH3		Good
16		Level Converter	CMH-1280A	BP-98574	JRC	1995	F-TA-193: PH3		Good
17		2W/4W Converter	NHH-556A - 3	BP-99817	JRC	1995	F-TA-193: PH3		Good
18		Personal Computer	6281-V5B PC-	A19000A4 KKY	IBM	1995	F-TA-193: PH3		Good
19		CRT Display	6542-105	66-59358	IBM	1995	F-TA-193: PH3		Good
20		System Floppy Disk	7YLED10106		IBM	1995	F-TA-193: PH3		Good
21		Desk for Computer	CD4-398		IBM	1995	F-TA-193: PH3		Good
22		Clock (+7H)	6HCED00073		JRC	1995	F-TA-193: PH3		Good
23		Headset	NTR-3302		JRC	1995	F-TA-193: PH3		Good
24		Morse Key	HK-704		JRC	1995	F-TA-193: PH3		Good

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BLW-010- (8 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
25		Cable for Key	KC-547		JRC	1995	F-TA-193: PH3		Good
26		Headphone	ST-3		JRC	1995	F-TA-193: PH3		Good
27		Printer	LX-300	77193	EPSON	1995	F-TA-193: PH3		Good
28		Printer	LX-300	77164	EPSON	1995	F-TA-193: PH3		Good
29		Printer Auto-Switch	ASL-21(240)			1995	F-TA-193: PH3		Good
30		Paper Tape Reader/Puncher	DPT-610A		JRC	1995	F-TA-193: PH3		Good
1-3-8		MF TG Rack							
1		Operation Rack	GED-1055A	BP-89360	JRC	1985	F-TA-193: PH1		Good
2		Telecontroller	NCH-300P	BP-91766	JRC	1989	F-TA-193: PH1		Good
3		Receiver	NRD-93	BR-33370	JRC	1985	F-TA-193: PH1		Good
4		Receiver	NRD-93	BR-41467	JRC	1985	F-TA-193: PH1		Good
5		Speaker Panel	NVA-64	BP-23742	JRC	1985	F-TA-193: PH1		Good
6		Speaker Panel	NVA-64	BP-23743	JRC	1985	F-TA-193: PH1		Good
1-3-9		Operation Rack "A"							
1		Operation Rack	GED-1055B	BP-89364	JRC	1985	SAR Project		Not use
2		Radio Terminal	NQP-11	BP-89427	JRC	1985	SAR Project		Not use
3		Speaker Panel	NVA-64G		JRC	1985	SAR Project		Not use
4		Lincomplex	NZA-15	BP-10100	JRC	1985	SAR Project		Not use
5		ARQ Equipment	NCL-550A	GA-10265	JRC	1985	SAR Project		Not use
6		Telephone Repeater	NQQ-31A	BP-89457	JRC	1985	SAR Project		Not use
7		Telephone Repeater	NQQ-31A	BP-90778	JRC	1985	SAR Project		Not use
8		Telephone Repeater	NQQ-31A	BP-98638	JRC	1985	SAR Project		Not use
9		Common Repeater	NQQ-18G	BP-89462	JRC	1985	SAR Project		Not use
10		Power Supply	NBK-31B		JRC	1985	SAR Project		Not use
11		Teleprinter	T-1000	L-22711	Siemens	1985	SAR Project		Not use
12		Morse Transmitter	NGK-2A	BP-90957	JRC	1987	SAR Project		Damaged
1-3-10		Receiver							
1		Receiver	NRD-93	BR-49453	JRC	1989	F-TA-193: PH2		Not use
2		Receiver	NRD-93	BR-49339	JRC	1989	F-TA-193: PH2		Not use

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BLW-010- (9 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-4		VHF System							
1		VHF TX/RX (CH70 DSC)	JRV-500AP	BH-20424	JRC	1995	F-TA-193: PH3		Good
2		VHF Transceiver (ch: 16)	GFD-260 YK	CV-57464	JRC	1985	F-TA-193: PH1		Good
3		VHF Transceiver (ch: 20)	GFD-260 YL	CV-57479	JRC	1985	F-TA-193: PH1		Good
4		VHF Transceiver (ch: 22)	GFD-260 YL	CV-57480	JRC	1985	F-TA-193: PH1		Good
5		Marine Transceiver	GFD-260YM	BH-16887	JRC	1989	F-TA-193: PH2		Good
6		VHF Transceiver (ch: 16, 20, 22)	FTC-1550-A		Yaesu	1983			Damaged
7		VHF Console	GFD-501 YB(A)	CV-57487	JRC	1985	F-TA-193: PH1		Good
8		Remote Control Rack	GED-1056B	BP-89027	JRC	1985	F-TA-193: PH1		Good
9		Common Repeater	NQQ-18G	BP-89462	JRC	1985	F-TA-193: PH1		Good
10		Junction Box	NQD-3013B		JRC	1985	F-TA-193: PH1		Good
11		Duplexer	AW-158YB	950726	JRC	1995	F-TA-193: PH3		Good
12		Duplexer	DF 33-1500A	F-44459	JRC	1985	F-TA-193: PH1		Good
13		Duplexer	DF 33-1500A	F-44465	JRC	1985	F-TA-193: PH1		Good
14		Coaxial Arrester	NYZ-150	95001	JRC	1995	F-TA-193: PH3		Good
15		Coaxial Arrester	NYZ-400	84041	JRC	1985	F-TA-193: PH1		Good
16		Coaxial Arrester	NYZ-400	84046	JRC	1985	F-TA-193: PH1		Good
17		Band Pass Filter	BP2-1500A	F-44450	JRC	1985	F-TA-193: PH1		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Tower & Mast							
		TX Station							
1		35mH Self Supporting	Triangle	T1	Philips	1969			Good
2		35mH Self Supporting	Triangle	T2	Philips	1969			Good
3		35mH Self Supporting	Triangle	T3	Philips	1969			Good
4		24mH Self Supporting	Triangle	T4	Philips	1969			Good
5		24mH Self Supporting	Triangle	T5	Philips	1969			Good
6		26mH Guy Mast	Triangle	T6	Philips	1969			Good
7		15mH Pipe Mast	Triangle	T7	Philips	1990	F-TA-193: PH2		Good
		RX Station							
1		21mH Guy Mast	Triangle	M1	Philips	1969			Good
2		21mH Guy Mast	Triangle	M2	Philips	1969			Good
3		21mH Guy Mast	Triangle	M3	Philips	1969			Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
4		21mH Guy Mast	Triangle	M4	Philips	1969			Good
5		21mH Guy Mast	Triangle	M5	Philips	1969			Good
6		21mH Guy Mast	Triangle	M6	Philips	1969			Good
7		21mH Guy Mast	Triangle	M7	Philips	1969			Good
8		50mH Guy Mast	Triangle	M8	JRC	1985			Good
9		65mH Self Supporting Antenna System	Square	T1	JRC	1990			Good
2-2		TX Station							
1		Single Doublet Antenna		1	JRC	1985	F-TA-193: PHI		Good
2		Single Doublet Antenna		2	JRC	1985	F-TA-193: PHI		Good
3		Single Doublet Antenna		3	JRC	1985	F-TA-193: PHI		Good
4		Single Doublet Antenna		4	JRC	1985	F-TA-193: PHI		Good
5		Single Doublet Antenna		5	JRC	1985	F-TA-193: PHI		Good
6		Single Doublet Antenna		6	JRC	1985	F-TA-193: PHI		Good
7		Single Doublet Antenna		7	JRC	1985	F-TA-193: PHI		Good
8		Single Doublet Antenna		8	JRC	1985	F-TA-193: PHI		Good
9		Single Doublet Antenna		9	JRC	1985	F-TA-193: PHI		Good
10		Single Doublet Antenna		10	JRC	1985	F-TA-193: PHI		Good
11		Single Doublet Antenna		11	JRC	1985	F-TA-193: PHI		Good
12		Single Doublet Antenna		12	JRC	1985	F-TA-193: PHI		Good
13		Single Doublet Antenna		13	JRC	1985	F-TA-193: PHI		Good
14		Multi Doublet Antenna		14	JRC	1990	F-TA-193: PH2		Good
15		4W T Type Antenna		15	Philips	1969			Good
		Vertical Cage Antenna			Philips	1969			Good
16		4094 Antenna (3001-70-F)	MF-HF	16		1985	F-TA-193: PHI		Damaged
17		S Cone Antenna	3001-70-3ML	17	England	1988			Good
18		Inverted "L" Antenna	CL-045M	18	JRC	1995	F-TA-193: PH3		Good
19		Inverted "L" Antenna	CL-045M	19	JRC	1995	F-TA-193: PH3		Good
20		8-Elements YAGI Antenna	Y8-4503SA	4085	JRC	1985	F-TA-193: PHI		Good
		RX Station							
1		Single Doublet Antenna		1	Philips	1969			Good
2		Single Doublet Antenna		2	Philips	1969			Good
3		Single Doublet Antenna		3	Philips	1969			Good
4		Single Doublet Antenna		4	Philips	1969			Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
5		Single Doublet Antenna		5	Philips	1969			Good
6		Double Doublet Antenna		6	Philips	1969			Good
7		Inverted "L" Ant		7	Philips	1969			Good
8		Inverted "L" Ant		8	Philips	1969			Good
9		Inverted "L" Ant		9	Philips	1969			Good
10		Inverted "L" Ant		10	Philips	1969			Good
11		RDF Loop Antenna	AE-0-62	11	JRC	1985	F-TA-193: PH1		Good
12		Inverted "L" Ant		12	JRC	1990	F-TA-193: PH2		Good
13		8-Elements YAGI Antenna	Y8-4503SA	4082	JRC	1985	F-TA-193: PH1		Good
14		2GHz Antenna			JRC	1990	F-TA-193: PH2		Good
15		2GHz Antenna			JRC	1990	F-TA-193: PH2		Good
16		2GHz Antenna			JRC	1990	F-TA-193: PH2		Good
17		Brown Cardioid Ant.	BRC-1501	4035	JRC	1985	F-TA-193: PH1		Good
18		Brown Cardioid Ant.	BRC-1501	4043	JRC	1985	F-TA-193: PH1		Good
19		Brown Cardioid Ant.	BRC-1501	4047	JRC	1985	F-TA-193: PH1		Good
20		Brown Cardioid Ant.	BRC-1501	???	JRC	1990	F-TA-193: PH2		Good
21		Brown Cardioid Ant.	BRC-1511		JRC	1995	F-TA-193: PH3		Good
2-3		Antenna Switch							
1		Antenna Switch Rack	GED-1116	BP-91880	JRC	1989	F-TA-193: PH2		Good
2		Antenna Switch Rack	GED-1116	BP-91881	JRC	1989	F-TA-193: PH2		Good
3		Antenna Switch	NKZ-61	BP-91880	JRC	1989	F-TA-193: PH2		Good
4		Antenna Switch	NKZ-61	BP-91881	JRC	1989	F-TA-193: PH2		Good
5		Antenna Exchanger	NKZ-223	BP-91983	JRC	1989	F-TA-193: PH2		Good
6		Antenna Exchanger	NKZ-223	BP-91984	JRC	1989	F-TA-193: PH2		Good
7		Antenna Changer	NKZ-230	JF31976	JRC	1997	F-TA-193: PH3		Good
8		Antenna Selector	GID-107 G		JRC	1985	F-TA-193: PH1		Good
9		Antenna Selector Rack	NKZ-220C	BP-89119	JRC	1985	F-TA-193: PH1		Good
10		Antenna Selector	NAF-80FA	BC-13471	JRC	1985	F-TA-193: PH1		Good
11		Antenna Multicoupler	NAF-80FA	BC-13472	JRC	1985	F-TA-193: PH1		Good
12		BC Band Rejection Filter	CFL-172	BC-13526	JRC	1985	F-TA-193: PH1		Good
13		BC Band Rejection Filter	CFL-172	BC-13527	JRC	1985	F-TA-193: PH1		Good

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No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
2-3		Antenna Matching Unit	NFG-3CA	BP-91296	JRC	1989	F-TA-193: PH2		Good
1		Antenna Matching Unit	NFG-140A	BP-91888	JRC	1989	F-TA-193: PH2		Good
2		Antenna Matching Unit	NCM-134F	BP-91886	JRC	1989	F-TA-193: PH2		Good
3		Matching Unit Control	NFG-140A	BP-98586	JRC	1995	F-TA-193: PH3		Good
4		Antenna Matching Unit	NFG-140A	BP-98585	JRC	1995	F-TA-193: PH3		Good
5		Antenna Matching Unit							
3		<b>Power Supply Equipment</b>							
3-1		Power Distribution Board							
1		PDB		TX-1	JRC				Good
2		PDB		TX-2	JRC				Good
3		PDB		TX-3	JRC				Good
4		PDB		RX-1					Good
5		Power Switch Board	BNE-832						Good
6		Power Supply Unit 110V/220V	PE-2004/02	D 269IN					Good
7		Power Supply Unit 110V/220V	PE-2004/02	D 3704N					Good
8		PDB Type TAI - 380V, 3Ø	NBJ-402TA1	BP-98350	JRC	1995	F-TA-193: PH3		Good
9		PDB Type RA1 - 220V, 1Ø	NBJ-402RA1	BP-98320	JRC	1995	F-TA-193: PH3		Good
10		PDB Type RC - 220V, 1 Ø	NBJ-402RC	BP-98377 *)	JRC	1995	F-TA-193: PH3		Good
3-2		Isolation Transformer							
1		55kVA, 380V, 3Ø	NBL-227B1	BP-99802	JRC	1995	F-TA-193: PH3		Good
2		10kVA, 380V, 3Ø	NBL-227E1	BP-99814	JRC	1995	F-TA-193: PH3		Good
3-3		Step-Up Transformer							
1		Step-Up Transformer	H6LVED	S-5546	JRC	1989	F-TA-193: PH2		Good
2		Step-Up Transformer	H6LVED	S-5547	JRC	1989	F-TA-193: PH2		Good
3		3kVA Step-Up Transformer	BPS-1	S-1950	JRC	1989	F-TA-193: PH2		Good
4		3kVA Step-Up Transformer	BPS-1		JRC	1989	F-TA-193: PH2		Good
5		3.5kVA, 220/380V, 3Ø	NBL-226B	BP-99786	JRC	1995	F-TA-193: PH3		Good
6		3.5kVA, 220/380V, 3Ø	NBL-226B	BP-99787	JRC	1995	F-TA-193: PH3		Good

Belawan

# INVENTORY

Site Nama: Belawan

BLW-010- (13 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
3-4		UPS System							
1		2kVA, 220V, 1Ø	Net Pro 2000	IN20/04/	JRC	1995	F-TA-193: PH3		Good
2		Back-up Power Supply	NBB-31-20Z	9504 A0013	JRC	1989	F-TA-193: PH2		Good
3		Back-up Power Supply	NBB-11-15P	S-6500	JRC	1989	F-TA-193: PH2		Good
4		Accumulator	12V/200AH	S-6002					Good
5		Accumulator	12V/200AH						Good
6		Accumulator	12V/200AH						Good
7		Accumulator	12V/200AH						Good
8		Accumulator	12V/200AH						Good
9		Accumulator	12V/200AH						Good
10		Accumulator	12V/60AH						Good
11		Accumulator	12V/40AH						Good
12		Accu Charger	24V/15A						Good
13		Accu Charger	24V/20A						Good
14		Accu Charger	48V/20A						Good
3-5		Engine Generator							
1		Engine	4TS117	18691	Kronthout	1969			Good
2		Engine	4TS117	18692	Kronthout	1969			Good
3		Engine	1508	6464		1969			Good
4		Engine	1508	6465		1969			Good
5		Generator 55 kVA	DJB-42/60-4	408002	AVK	1969			Good
6		Generator 55 kVA	DJB-42/60-4	408003	AVK	1969			Good
7		Generator 10 kVA			BKB				Good
8		Generator 10 kVA			BKB				Good
4		Measuring Equipment							
1		Oscilloscope	2235	B017840					Damaged
2		Digital Circuit Tester	MD-200C	841165					Good
3		Frequency Counter	5383A	2412A06292					Good
4		Audio Distortion Meter	796F	M-14427014					Good
5		RF Signal Generator	MSG-2560B	84113132					Good
6		Electronic Voltmeter	ML-69A	MI5186					Good



# INVENTORY

Site Nama: Belawan

BLW-010- (14 / 14)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
7		Megaohm Tester	3213	03496S	JRC	1985	F-TA-193: PH1		Good
8		VHF Signal Generator	MG-54E	M44684					Good
9		VHF Output Testing Equipment	MS-52B	M48983					Good
10		Directional Coupler	MA-52A	M94287					Good
11		VHF/UHF Dummy Load	TP-5J1D	22158	Japan	1984	F-TA-193: PH1		Good
12		Selec. Level Meter/Gen.	AD-7530	534587					Good
13		UHF Signal Generator	MG-54D	M36591					Good
14		Psophometric Weighting Netw	NJM-776B	ES11467					Good
15		Portable test rack (1)	206						Good
16		DC Power Supply Unit	PAD-35-5L	1840886					Good
17		Motor Drive Wire Wrapper	EW-70						Good
18		Tools (1)	ZPED00002						Good
19		Tools (1)	S-10						Good
20		Tools (1)	ND-XP217A-74						Good
5		<b>Others</b>							
1		Switch Box	QSS-30P/3						Good
2		Air Conditioner 2x1.5 PK		RX-1					Good
3		Air Conditioner 2x2 PK		TX-1					Good
4		Air Conditioner 2x1 PK		RX-2					Good
5		Air Conditioner 3x2 PK		TX-2					Good
6		Air Conditioner 5x2 PK		RX-3					Good

Belawan

# STATUS OF TROUBLES

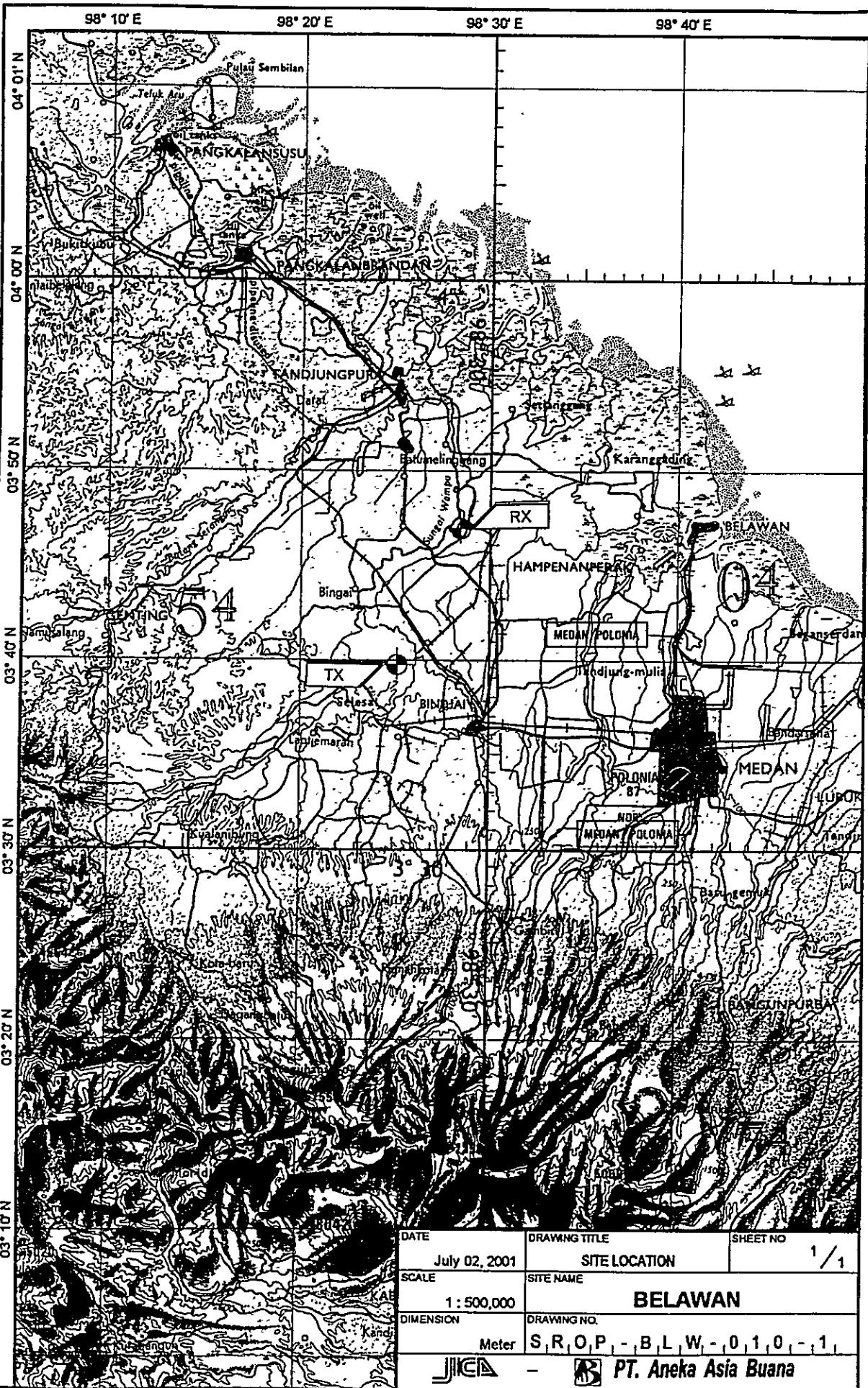
SITE NAME : BELAWAN

BLW-2-(1/1)

Item / Equipment	Tower / 55M and 65M		
Manufacturer	TOYOMENKA		
Manufacturer in year	1989		
Defective panel / unit	Painting		
Details of Trouble Status	Cause doe to:	Urgency of Repair	Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input checked="" type="checkbox"/> Lightning		<input checked="" type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
<input type="checkbox"/> Others			
<u>General Comment for Maintenance:</u>			
Transmitter 1KW JRS Type-713 FST-12 Phase-III Package-A Project Year 1996, generally damaged on Power Supply Type-NBL-169 (explode), and the Power Factor Connector Type CBB-13 burned, Relay Circuit Type- CSA-236 can not be repaired Unavailability of above spare unit causing the transmitter 1 KW Type JRS-713 ( 2 Units) can not be operation/damaged Damaged spare unit has been reported, but there is no availability			

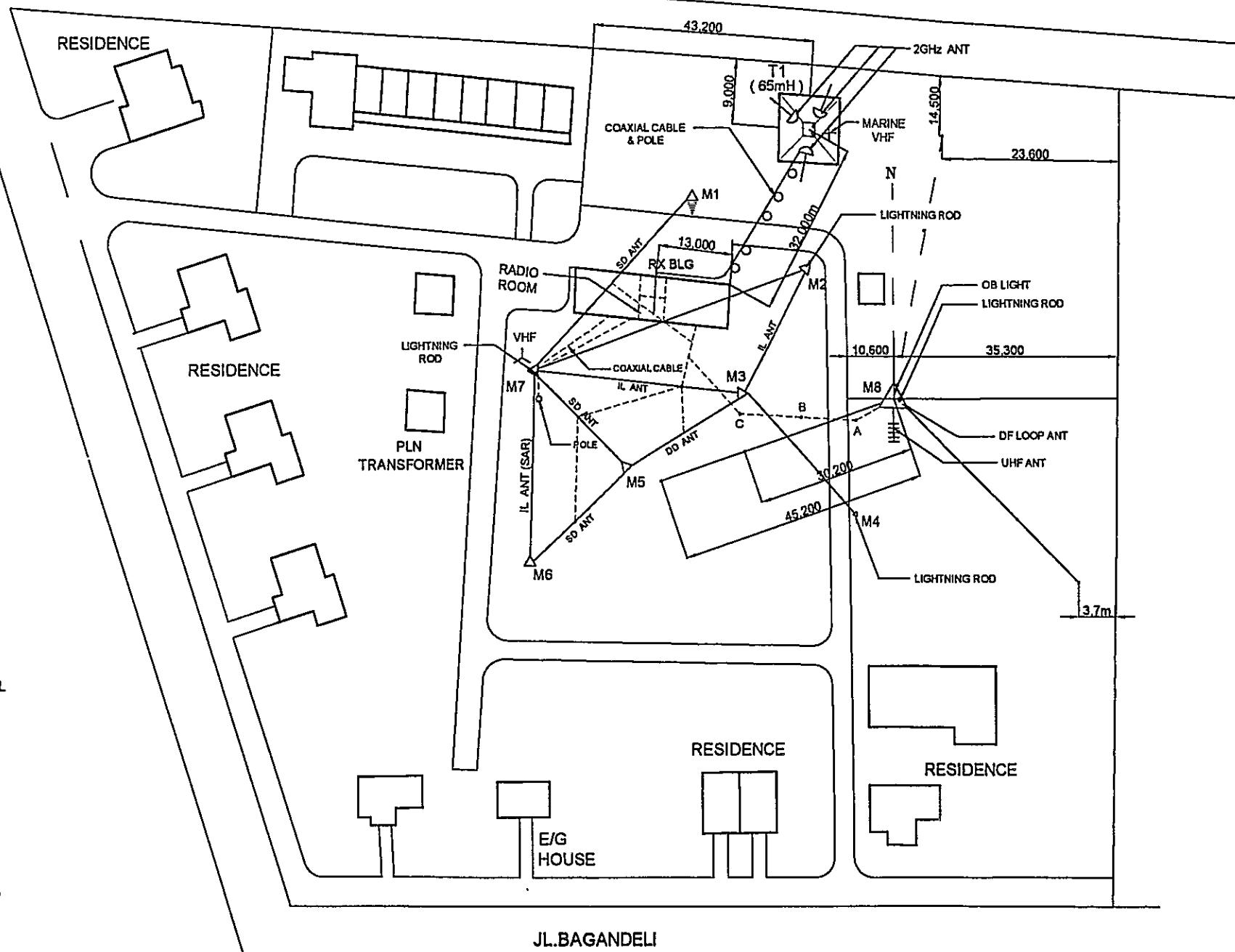
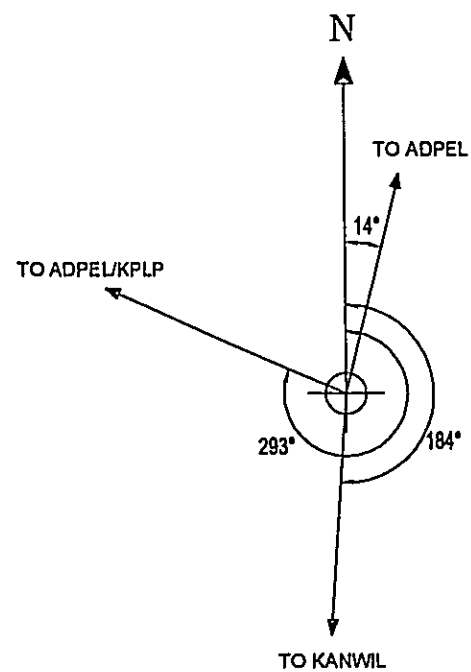






DRAWN BY AAB: *[Signature]*  
 APPROVED BY JICA: *[Signature]*

DATE	DRAWING TITLE	SHEET NO
July 02, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	<b>BELAWAN</b>	
DIMENSION	DRAWING NO.	
Meter	S R O P - B L W - 0 1 0 - 1	
<b>JICA</b> - <b>PT. Aneka Asia Buana</b>		

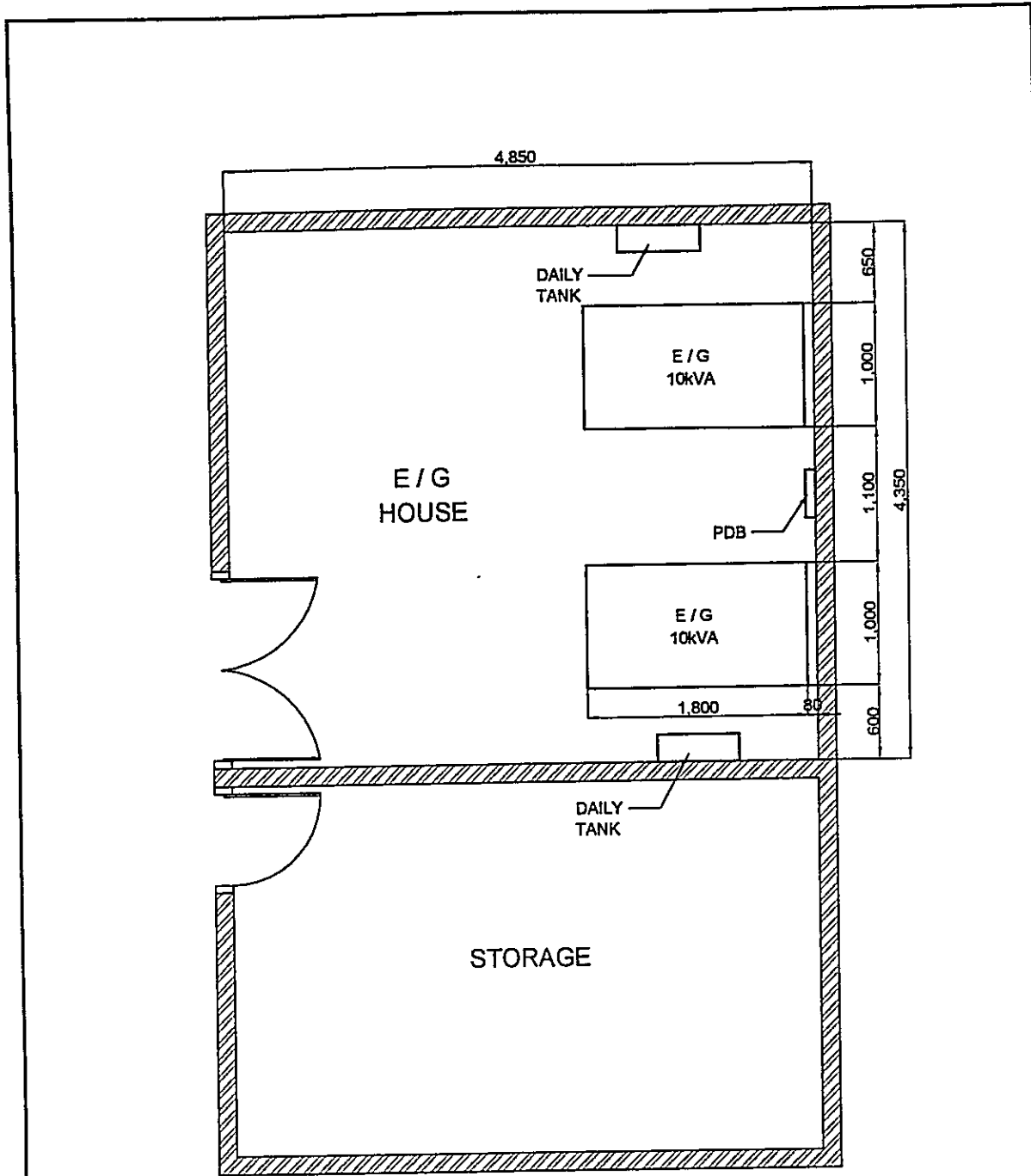


- LEGEND**
- ANT : ANTENNA
  - DD : DOUBLE DOBLET
  - E/G : ENGINE GENERATOR
  - IL : INVERTED - L
  - SD : SINGLE DOBLET
  - UHF : ULTRA HIGH FREQUENCY
  - VHF : VERY HIGH FREQUENCY

DATE June 8, 2001	DRAWING TITLE ANTENNA LAYOUT FOR RX STATION	SHEET NO. 1/1
SCALE 1 : 1000	SITE NAME <b>BELAWAN</b>	
DIMENSION Millimeter	DRAWING NO S, R, O, P, - B, L, W, - 0, 1, 0, - 2, R	
-		

DRAWN BY AAB  
 APPROVED BY JICA





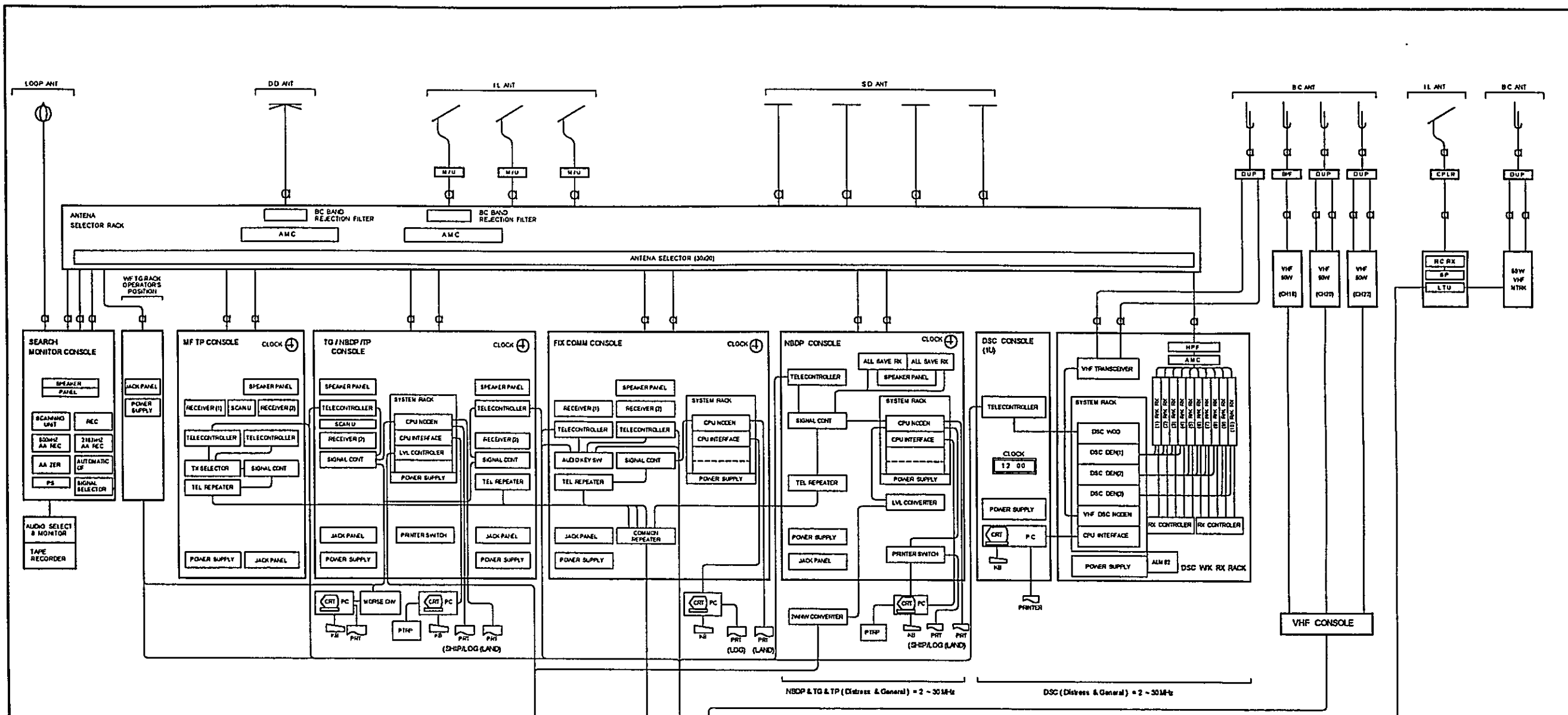
DRAWN BY AAB  
 APPROVED BY JICA

**LEGEND**

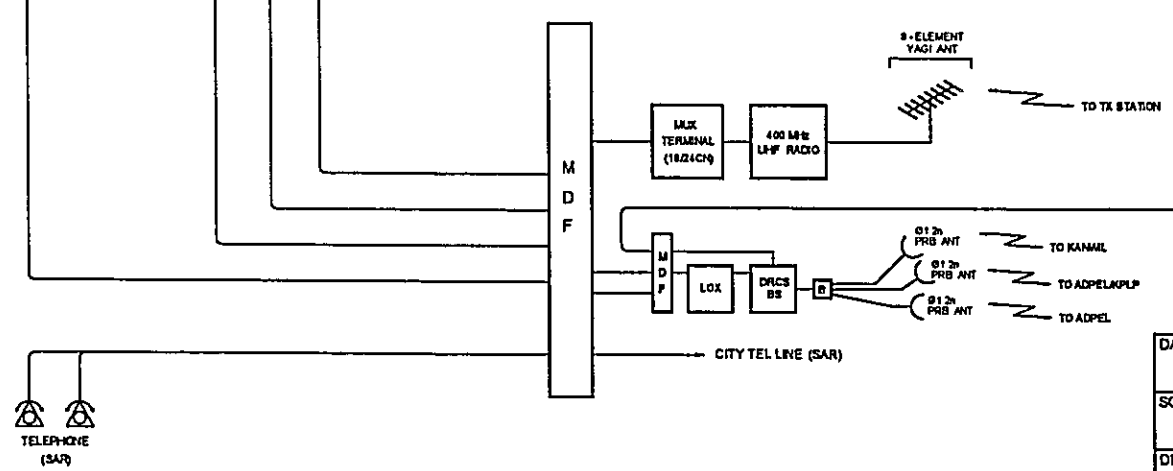
E/G : ENGINE GENERATOR  
 KVA : KILO VOLT AMPERE  
 PDB : POWER DISTRIBUTION BOARD

DATE	JUNE 7, 2001	DRAWING TITLE	E/G FLOOR LAYOUT FOR RX STATION	SHEET NO	1 / 1
SCALE	1 : 50	SITE NAME	BELAWAN		
DIMENSION	Milimeter	DRAWING NO.	S, R, O, P, - , B, L, W, - , 0, 1, 0, - , 4, R		





- LEGEND**
- ANT ANTENNA
  - BC BROWN CARDIOD
  - CPLR COUPLER
  - DD DOUBLE DOUBLET
  - DUP DUPLEXER
  - DSC DIGITAL SELECTIVE CALLING
  - IL INVERTED L
  - LTU LOCAL TERMINAL UNIT
  - MDF MAIN DISTRIBUTION FRAME
  - MU MATCHING UNIT
  - NBDP NARROW - BAND DIRECT - PRINTING
  - SD SINGLE DOUBLET
  - TG TELEGRAPHY
  - TP TELEPHONY
  - UHF ULTRA HIGH FREQUENCY
  - VHF VERY HIGH FREQUENCY



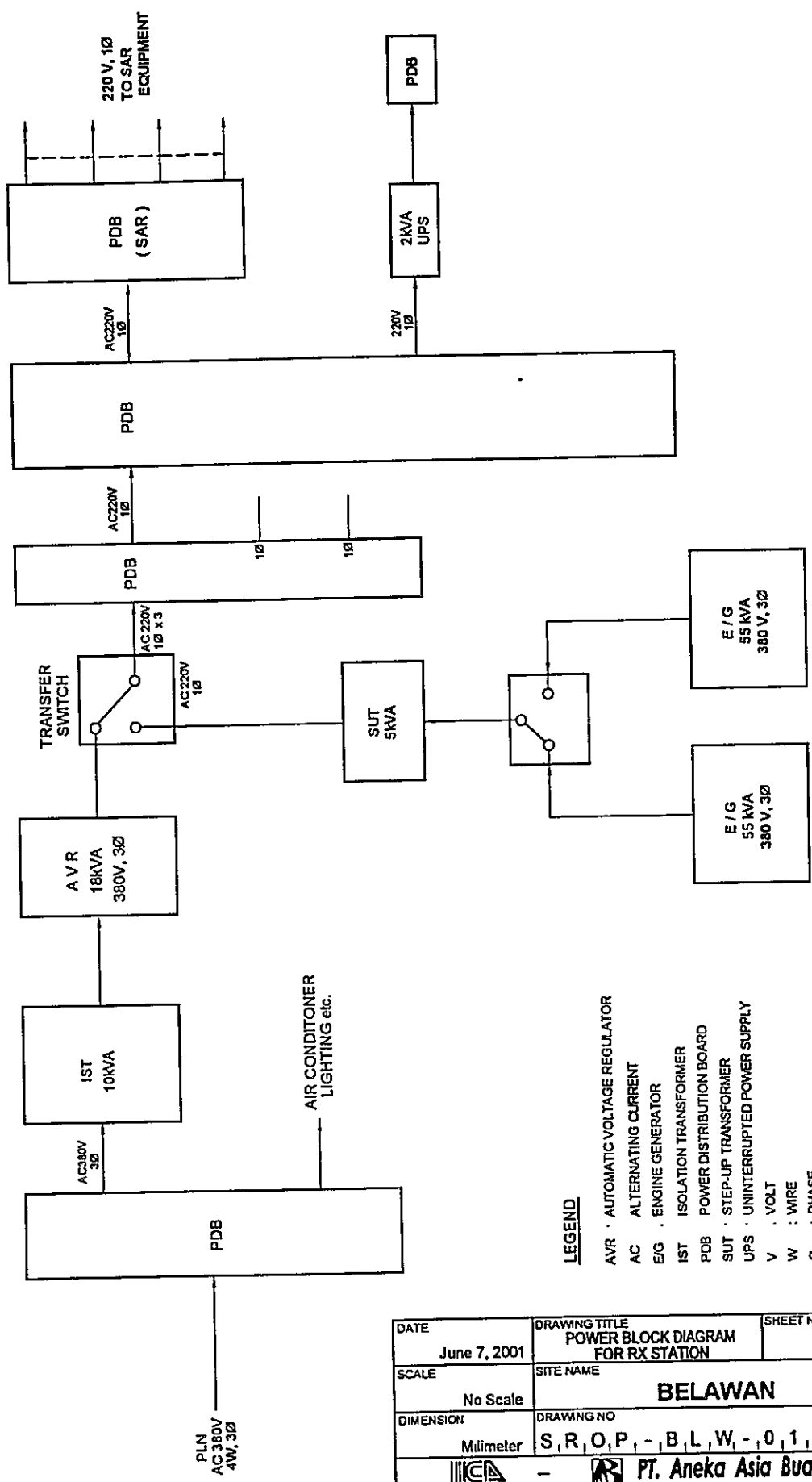
DRAWN BY AAB. APPROVED BY JICA.

DATE	June 5, 2001	DRAWING TITLE	SYSTEM BLOCK DIAGRAM FOR RX STATION	SHEET NO.	1/1
SCALE	No Scale	SITE NAME	BELAWAN		
DIMENSION	Millimeter	DRAWING NO.	S, R, O, P, - B, L, W, - 0, 1, 0, - 5, R		

DRAWN BY AAB

APPROVED BY JICA





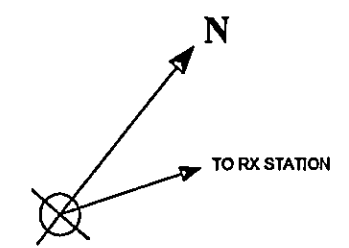
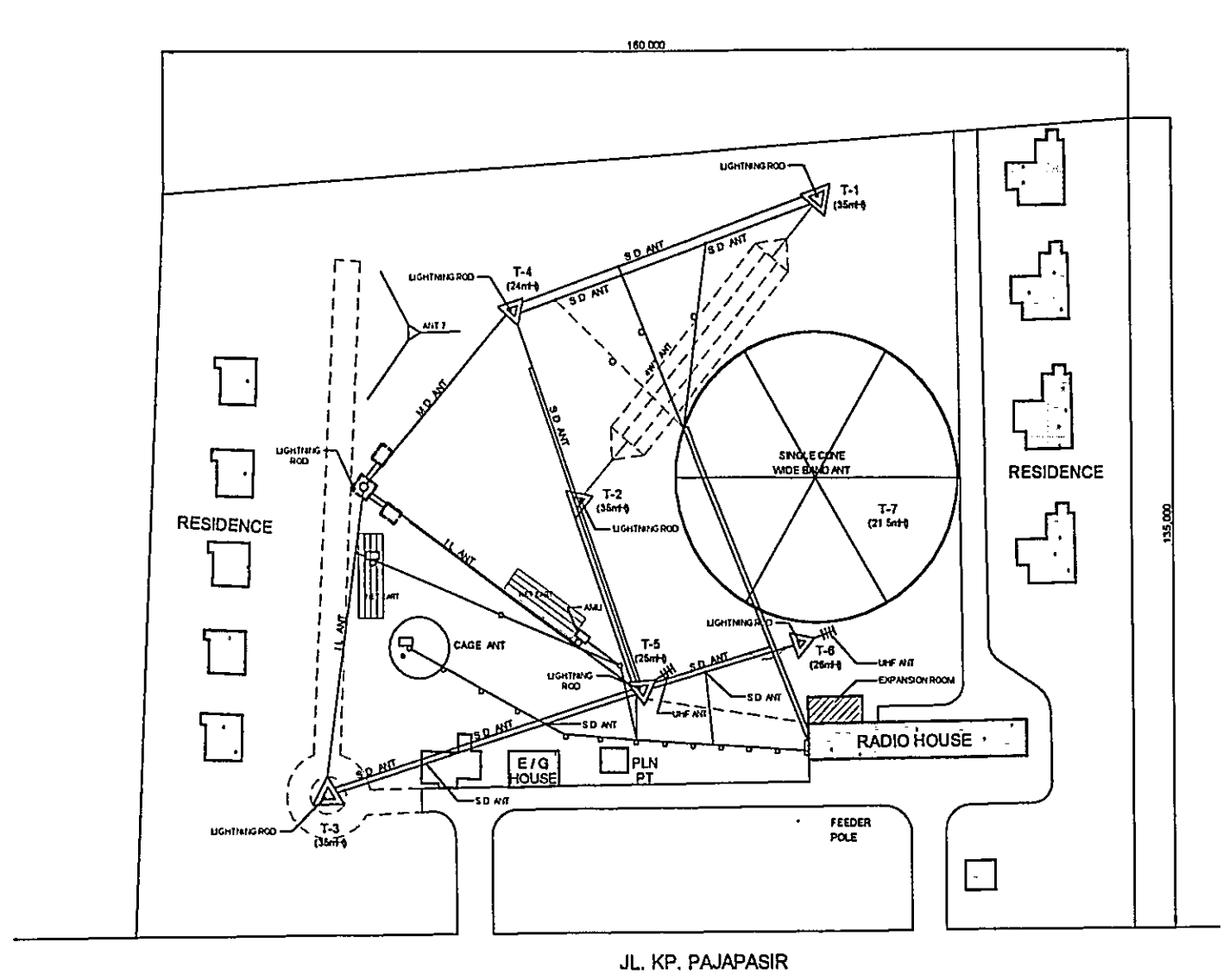


PLN  
AC 380V  
4W, 3Ø

**LEGEND**

- AVR · AUTOMATIC VOLTAGE REGULATOR
- AC · ALTERNATING CURRENT
- E/G · ENGINE GENERATOR
- IST · ISOLATION TRANSFORMER
- PDB · POWER DISTRIBUTION BOARD
- SUT · STEP-UP TRANSFORMER
- UPS · UNINTERRUPTED POWER SUPPLY
- V · VOLT
- W · WIRE
- Ø · PHASE

DATE June 7, 2001	DRAWING TITLE <b>POWER BLOCK DIAGRAM FOR RX STATION</b>	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME <b>BELAWAN</b>	
DIMENSION Milimeter	DRAWING NO <b>S, R, O, P, - B, L, W, - 0, 1, 0, - 6, R</b>	
  <b>PT. Aneka Asia Buana</b>		

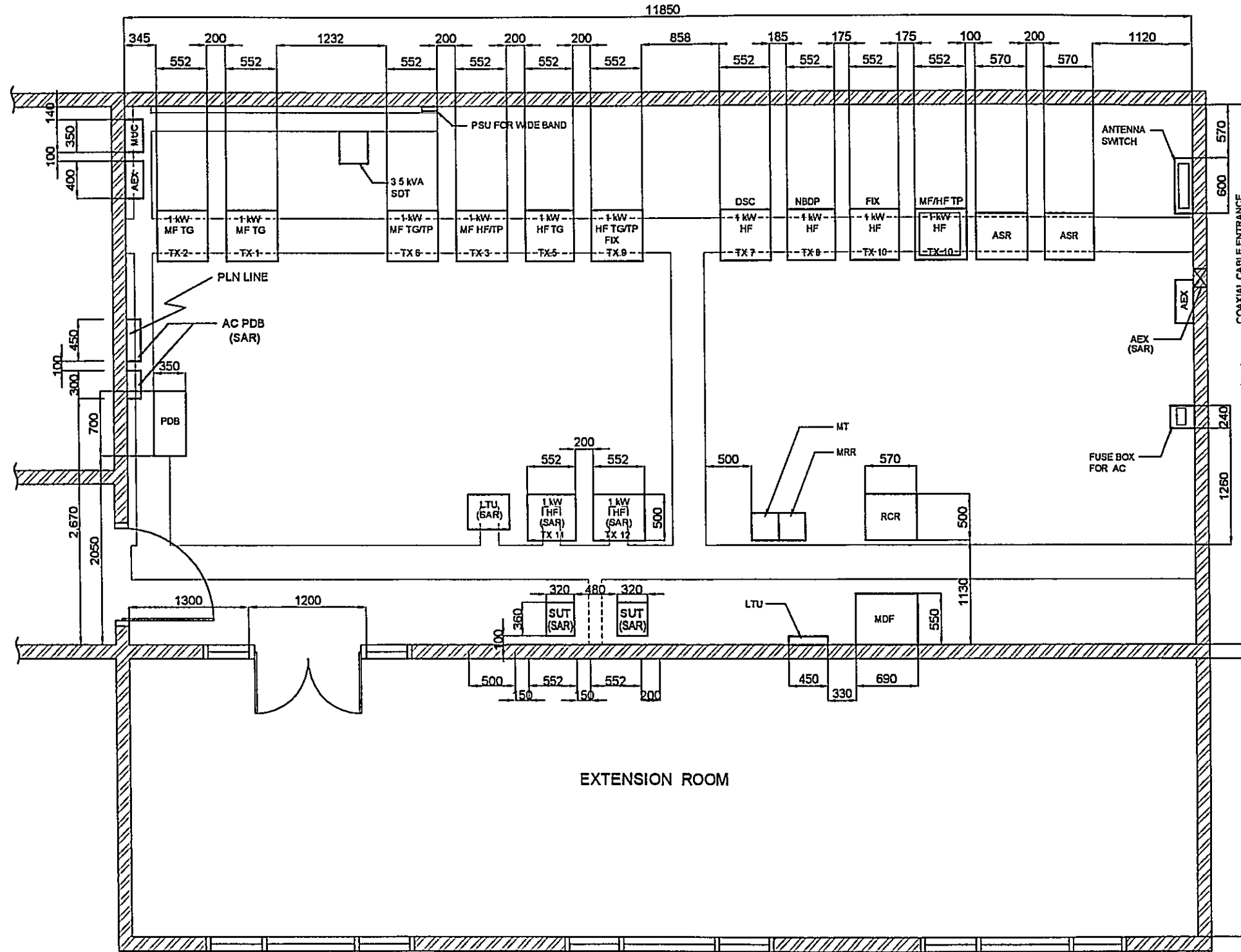


**LEGEND**

- ANT : ANTENNA
- E/G : ENGINE GENERATOR
- IL : INVERTED L
- MD : MULTI DOUBLET
- SD : SINGLE DOUBLET
- UHF : ULTRA HIGH FREQUENCY
- WT : WIRE T TYPE

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

DATE	DRAWING TITLE	SHEET NO.
June 8, 2001	ANTENNA LAYOUT FOR TX STATION	1/1
SCALE	SITE NAME	
1:1000	BELAWAN	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, -, B, L, W, -, 0, 1, 0, -, 2, T	

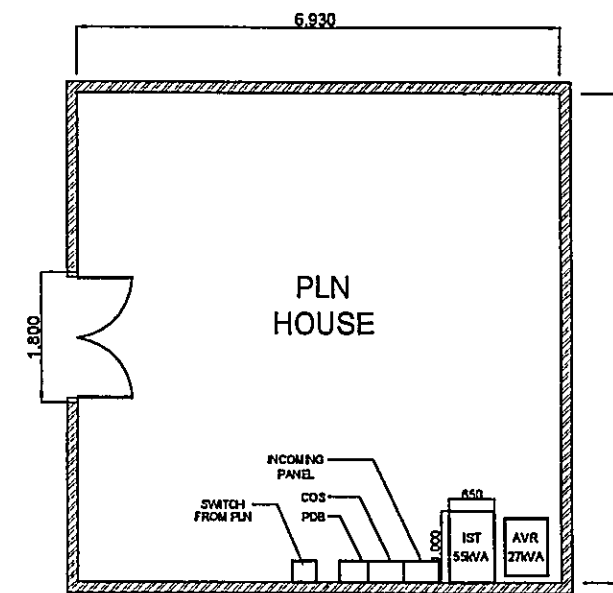
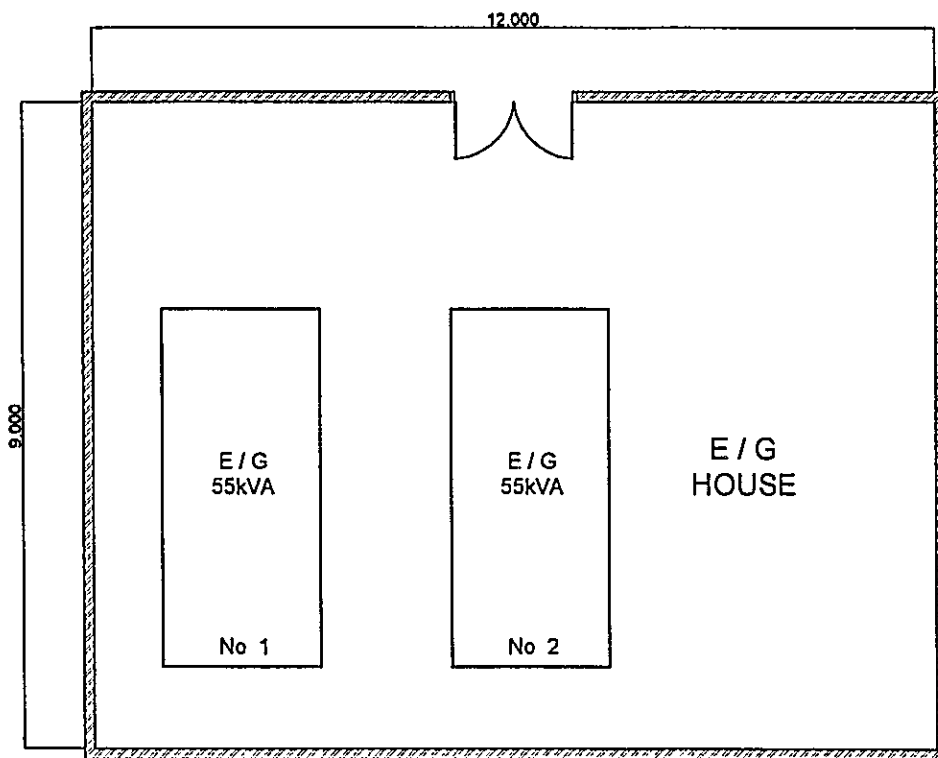


**LEGEND**

- AC : ALTERNATING CURRENT
- ASR : ANTENNA SWITCH RACK
- AEX : ANTENNA EXCHANGER
- HF : HIGH FREQUENCY
- KW : KILO WATT
- KVA : KILO VOLT AMPERE
- LTU : LOCAL TERMINAL UNIT
- MCU : MATCHING UNIT CONTROL
- MRR : MULTIPLEX RADIO RELAY
- MT : MULTIPLEX TERMINAL
- MF : MEDIUM FREQUENCY
- MDF : MAIN DISTRIBUTION FRAME
- PDB : POWER DISTRIBUTION BOARD
- PSU : POWER SUPPLY UNIT
- RCR : REMOTE CONTROL RACK
- SDT : STEP-DOWN TRANSFORMER
- SUT : STEP-UP TRANSFORMER
- TX : TRANSMITER

DRAWN BY AAB  
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
June 13, 2001	EQUIPMENT FLOOR LAYOUT FOR TX STATION	1 / 1
SCALE	SITE NAME	
1 : 50	BELAWAN	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - B, L, W, - 0, 1, 0, - 3, T	
-  PT. Aneka Asia Buana		



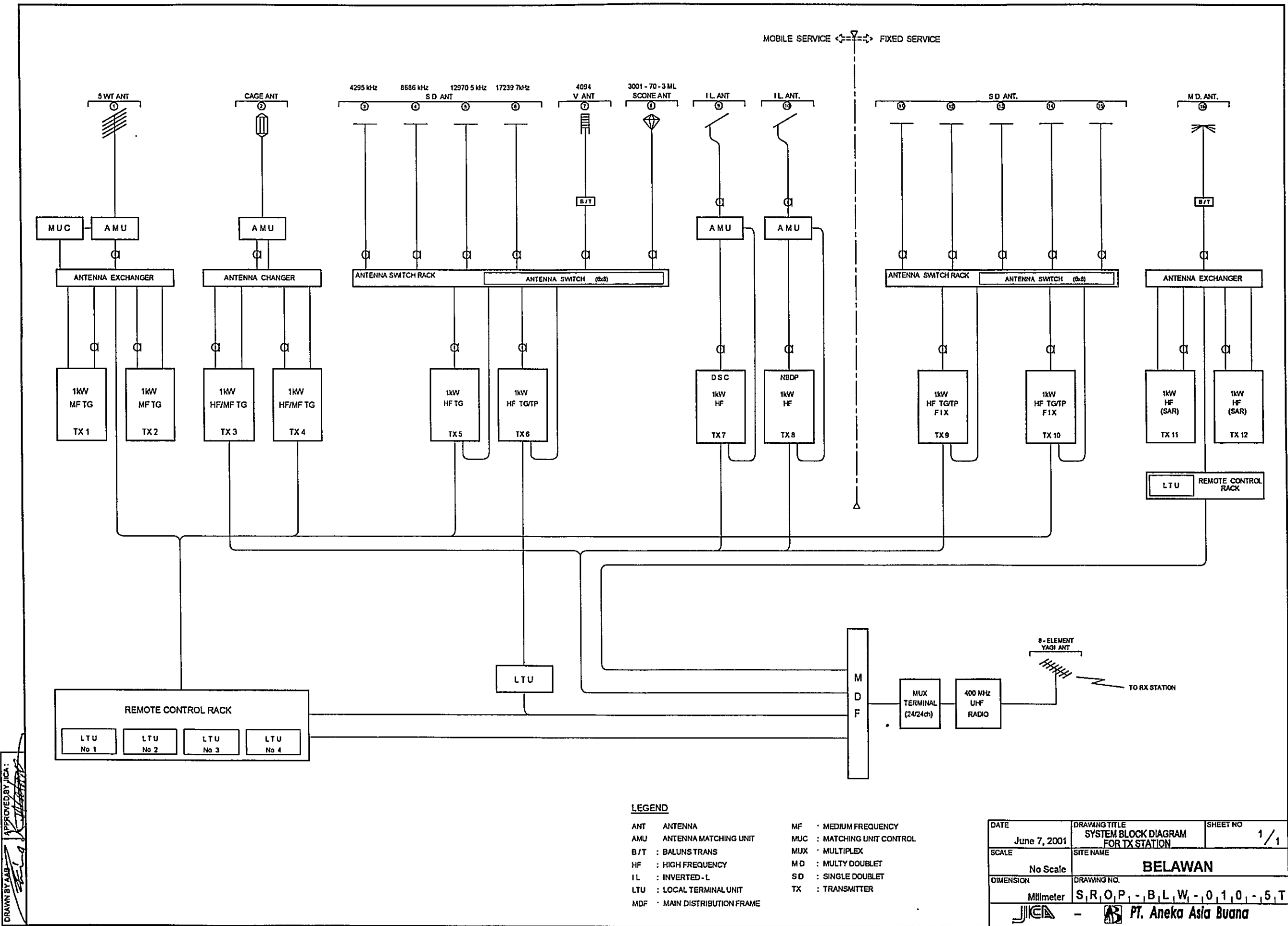
DRAWN BY: [Signature]

APPROVED BY: JICA [Signature]

**LEGEND**

- AVR : AUTOMATIC VOLTAGE REGULATOR
- E/G : ENGINE GENERATOR
- COS : CHANGER OVER SWTCH
- KVA : KILO VOLT AMPERE
- IST : ISOLATION TRANSFORMER
- PDB : POWER DISTRIBUTION BOARD

DATE June 14, 2001	DRAWING TITLE E/G FLOOR LAYOUT FOR TX STATION	SHEET NO. 1 / 1
SCALE 1 : 100	SITE NAME <b>BELAWAN</b>	
DIMENSION Millimeter	DRAWING NO S, R, O, P, - B, L, W, - 0, 1, 0, - 4, T	



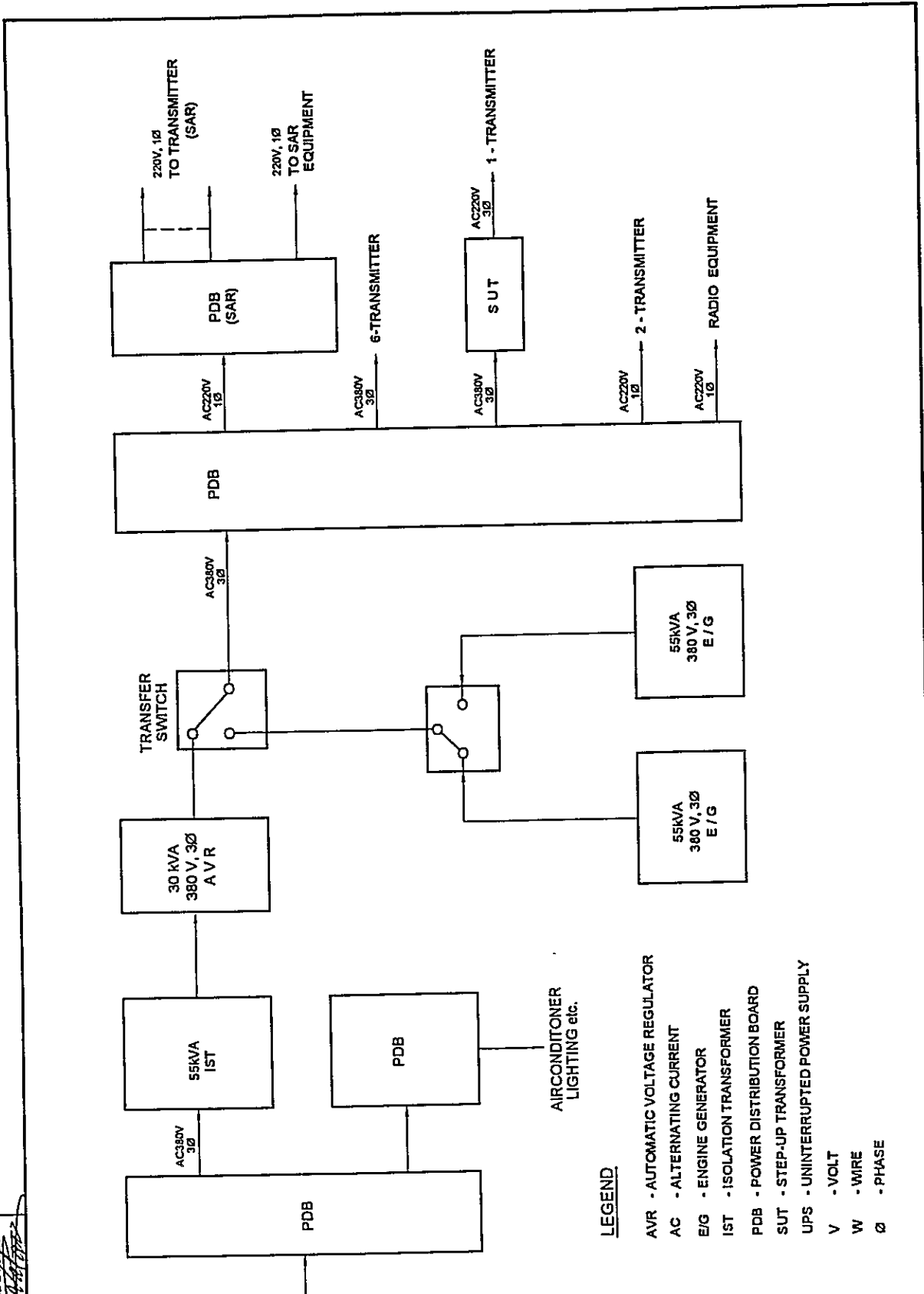
DRAWN BY AAB  
 APPROVED BY JICA: *[Signature]*

**LEGEND**

- |                               |                             |
|-------------------------------|-----------------------------|
| ANT : ANTENNA                 | MF : MEDIUM FREQUENCY       |
| AMU : ANTENNA MATCHING UNIT   | MUC : MATCHING UNIT CONTROL |
| B/T : BALUNS TRANS            | MUX : MULTIPLEX             |
| HF : HIGH FREQUENCY           | MD : MULTY DOUBLET          |
| IL : INVERTED - L             | SD : SINGLE DOUBLET         |
| LTU : LOCAL TERMINAL UNIT     | TX : TRANSMITTER            |
| MDF : MAIN DISTRIBUTION FRAME |                             |

DATE June 7, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM FOR TX STATION	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>BELAWAN</b>	
DIMENSION Millimeter	DRAWING NO. S, R, O, P, -, B, L, W, -, 0, 1, 0, -, 5, T	

DRAWN BY AAB  
APPROVED BY JICA



- LEGEND**
- AVR - AUTOMATIC VOLTAGE REGULATOR
  - AC - ALTERNATING CURRENT
  - E/G - ENGINE GENERATOR
  - IST - ISOLATION TRANSFORMER
  - PDB - POWER DISTRIBUTION BOARD
  - SUT - STEP-UP TRANSFORMER
  - UPS - UNINTERRUPTED POWER SUPPLY
  - V - VOLT
  - W - WIRE
  - Ø - PHASE

DATE June 7, 2001	DRAWING TITLE POWER BLOCK DIAGRAM FOR TX STATION	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>BELAWAN</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - B, L, W, - 0, 1, 0, - 6, T	

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

## **4th-A Class Coast Station Kuala Tanjung (Coast Station No. 11)**

### **Table of Content**

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

#### **TRX Drawings:**

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

#### **Note :**

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**



<b>SUMMARY OF COAST STATION</b>	SITE	KUALA TANJUNG		
	CLASS	4th-A	NO.	11

<b>1. LOCATION</b>					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan Kuala Tanjung			99° 29' 00" E	03° 20' 48" N

<b>2. GENERAL CONDITIONS</b>					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Ship	to Medan [Taking time: 48.00 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		

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

<b>3.1 Site Conditions</b>					
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system	
<input checked="" type="checkbox"/> Flat	<input 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	3.00 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area	1,000 m <sup>2</sup>		<input type="checkbox"/> Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water
<b>3.2 Building Conditions</b>			<b>3.3 Power Source</b>		
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	220 V	Good Bad
Structure	Concrete	Phase	1	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	2	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G
Type of ceiling	Asbestos	kVA		0.7	<input checked="" type="checkbox"/> <input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	220 V ± 10 %		Day tank
Flooring	Ceramic	Availability of power per day	Hours	Main tank	4 Liter
Room Area (m <sup>2</sup> )		Power interruption /month	Times	E/G Stand-by System	
Operation room	9.00	Total interpt. hours /month	Hours	<input checked="" type="checkbox"/>	Single System
E / G room	25.00	Max. interpt. hours at once	Hours	<input type="checkbox"/>	Dual System
Remark					

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

<b>SUMMARY OF COAST STATION</b>	SITE	KUALA TANJUNG		
	CLASS	4th-A	NO.	11

**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	

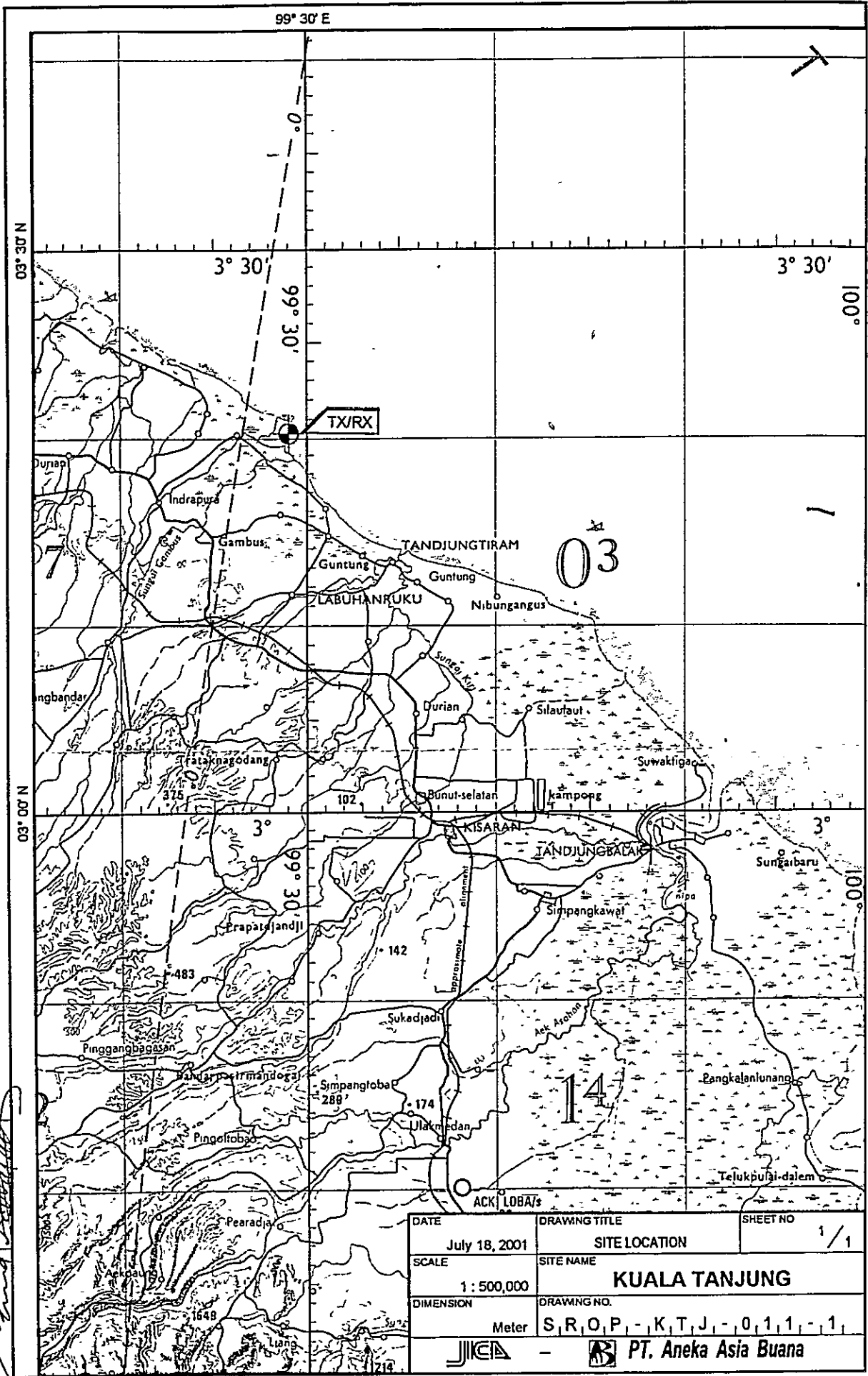
# INVENTORY

Site Name: Kuala Tanjung

KTJ-011-(1/1)

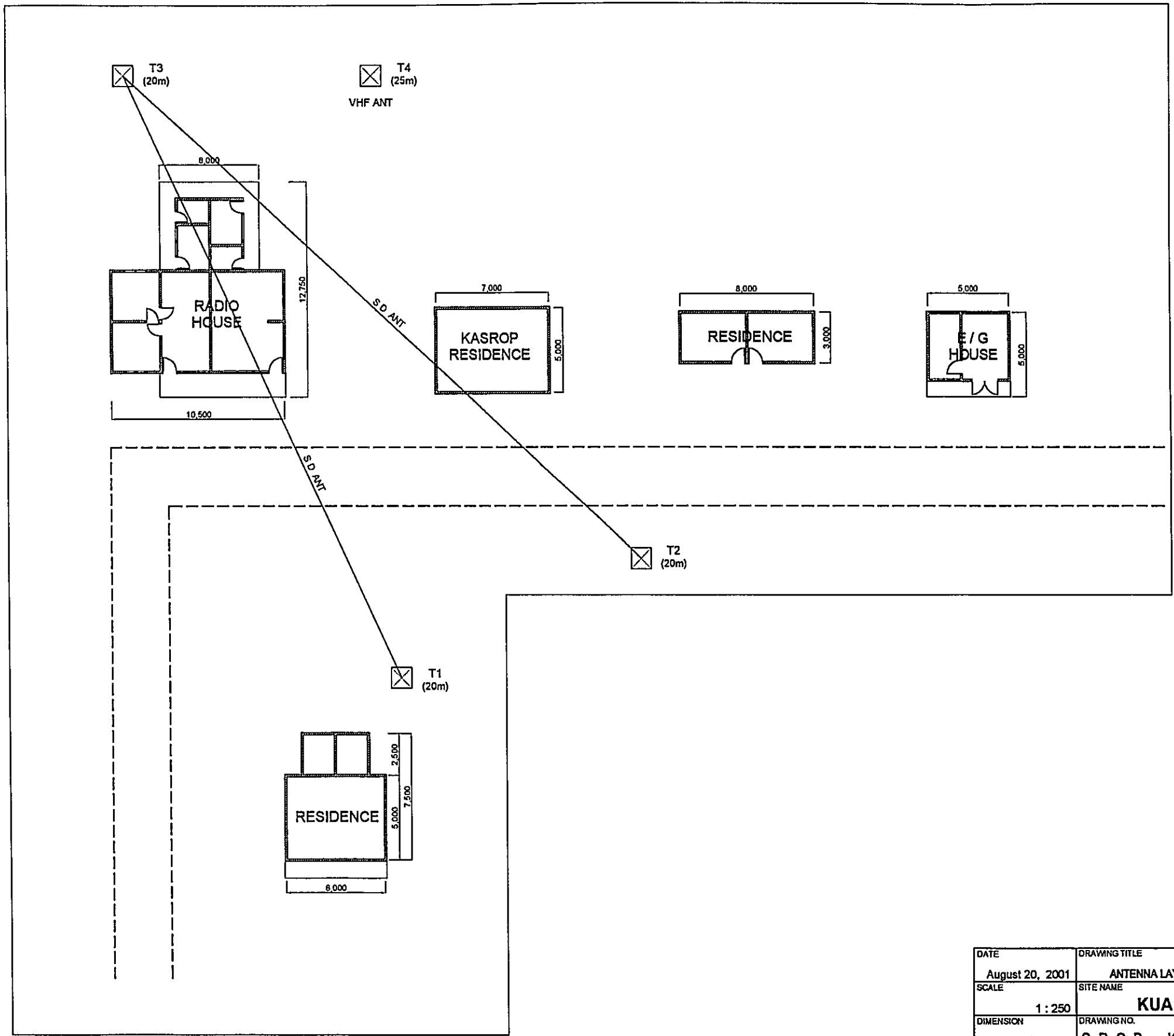
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		MF/HF System	M-700	01262	ICOM	1986	PFKP Jakarta		Good
1		SSB Transceiver 100W	FR-1000	5590-2553	Furuno	1989	PFKP Jakarta		Damaged
2		SSB Transceiver 100W	M-710	03040	ICOM	1997	Local Budget		Good
1-2		VHF System							
1		VHF Transceiver 25W	FM-400H	245384	Furuno	1986	PFKP Jakarta		Damaged
2		VHF Transceiver 25W	M-59	42459	ICOM	1997	Local Budget		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Tower & Mast							
1		20mH Antenna Tower (3)			Local	1999	Local Budget		Good
2-2		Antenna System							
1		Dipole Antenna			Local	1999	Local Budget		Good
2		Dipole Antenna			Local	1997	Local Budget		Good
3		Brown Cardioid			Local	1997	Local Budget		Good
2-3		Antenna Matching Unit							
1		Antenna Tuner	AT-130	05675	ICOM	1997	Local Budget		Good
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR System							
1		AVR (Stavol) 220V 500 VA	SVC-500F			1997			Good
2		Adaptor 220V AC 13.8V DC 30A			Japan	1995			Good
3		Adaptor 220V AC 13.8V DC 30A		BL-1030A	VEDIO	1997			Good
3-2		Engine Generator			BELL				
1		4HP Engine Generator			Honda	1985			Damaged





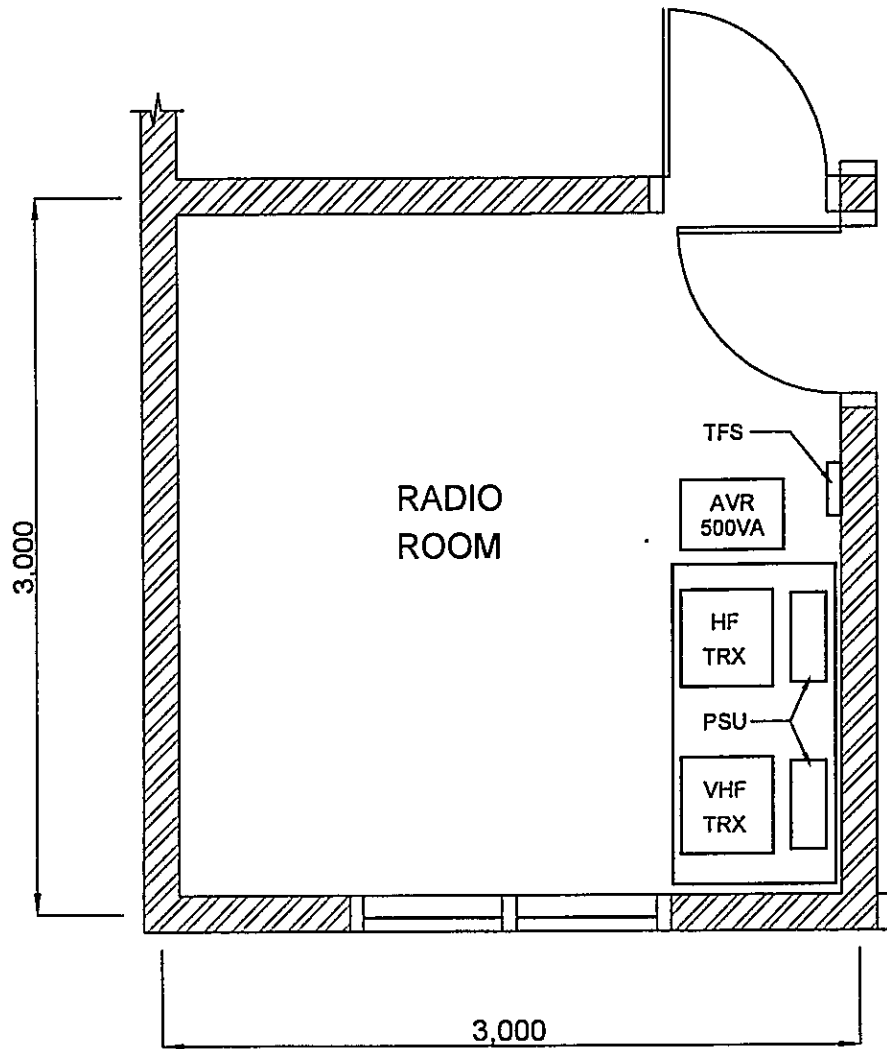
DRAWN BY: [Signature]  
APPROVED BY: JICA [Signature]

DATE	DRAWING TITLE	SHEET NO
July 18, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	<b>KUALA TANJUNG</b>	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - K, T, J, - 0, 1, 1, - 1	
<b>JICA</b>	<b>PT. Aneka Asia Buana</b>	



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

DATE	DRAWING TITLE	SHEET NO
August 20, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 250	KUALA TANJUNG	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, - K, T, J, - 0, 1, 1, - 2,	
		PT. Aneka Asia Buana

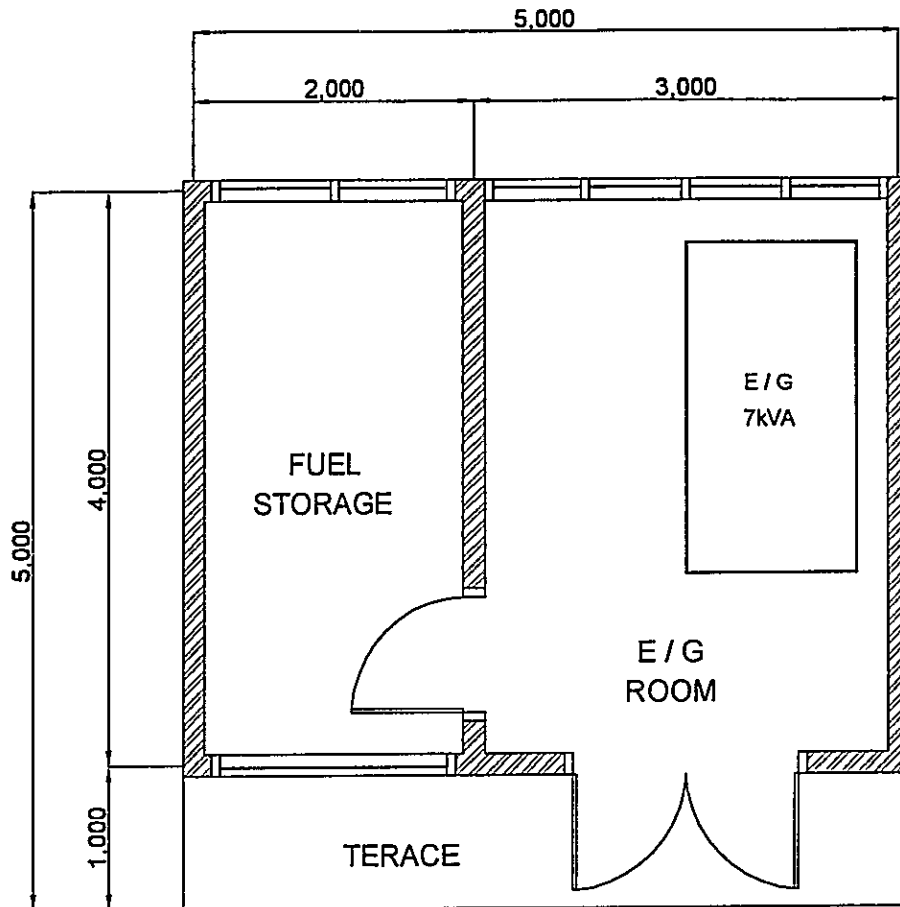


DRAWN BY: *[Signature]*  
 APPROVED BY: JICA *[Signature]*

**LEGEND**

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

DATE	DRAWING TITLE	SHEET NO
August 20, 2001	EQUIPMENT FLOOR LAYOUT	1/1
SCALE	SITE NAME	
1:30	<b>KUALA TANJUNG</b>	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - K, T, J, - 0, 1, 1, - 3,	



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APPROVED BY: JICA. [Signature]

**LEGEND**

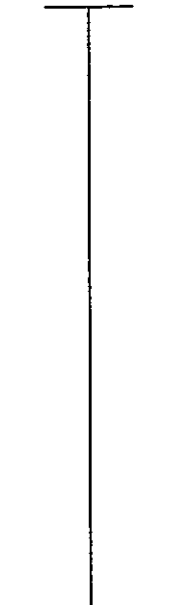
- AVR : AUTOMATIC VOLTAGE REGULATOR
- E/G : ENGINE GENERATOR
- KVA : KILO VOLT AMPERE
- TFS : TRANSFER SWITCH

DATE August 20, 2001	DRAWING TITLE E/G FLOOR LAYOUT	SHEET NO 1/1
SCALE 1 : 50	SITE NAME <b>KUALA TANJUNG</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, K, T, J, -, 0, 1, 1, -, 4,	
-  PT. Aneka Asia Buana		

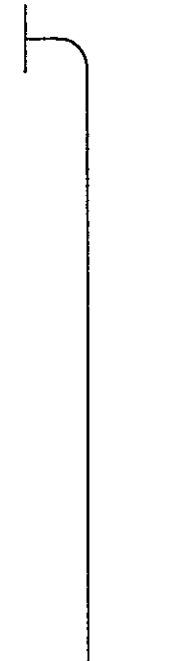


WHIP ANT

DIPOLE ANT



HF  
SSB  
  
TRX





VHF  
  
TRX

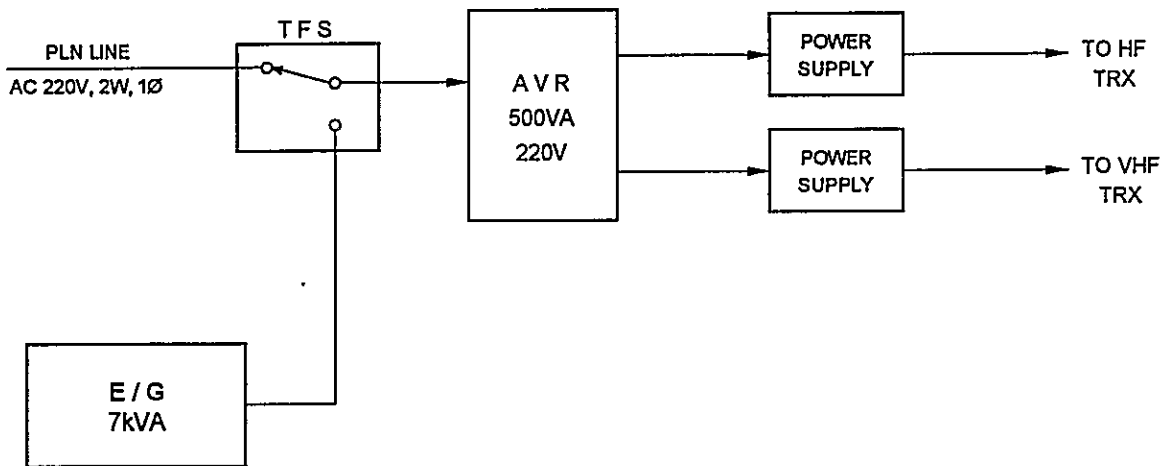
DRAWN BY AAB

APPROVED BY JICA

**LEGEND**

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

DATE July 27, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME <b>KUALA TANJUNG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, K, T, J, -, 0, 1, 1, -, 5,	
 -  PT. Aneka Asia Buana		



**LEGEND**

- AC : ALTERNATING CURRENT
- AVR : AUTOMATIC VOLTAGE REGULATOR
- E/G : ENGINE GENERATOR
- HF : HIGH FREQUENCY
- TFS : TRANSFER SWTCH
- TRX : TRANSCEIVER
- V : VOLT
- VHF : VERY HIGH FREQUENCY
- W : WIRE
- Ø : PHASE

DRAWN BY AAB:   
 APPROVED BY JICA:

DATE July 27, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>KUALA TANJUNG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, - K, T, J, - 0, 1, 1, - 6,	
-  PT. Aneka Asia Buana		

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

**4th-A Class Coast Station  
Tg. Balai Asahan  
(Coast Station No. 12)**

## **Table of Content**

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

### **TRX Drawings:**

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

### **Note :**

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	SITE	TANJUNG BALAI ASAHAN		
	CLASS	4th-B	NO.	12

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan Teluk Nibung	0623-92038		99° 48' 24" E	02° 58' 00" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Location [Taking time: 48.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
		<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions			
Topography	Nature of Soil		Past disaster of site
<input checked="" type="checkbox"/> Flat	<input checked="" 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
Land area	m <sup>2</sup>		<input checked="" type="checkbox"/> 1 Lines

3.2 Building Conditions		3.3 Power Source			
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Tile	Phase	1	<input checked="" type="checkbox"/> <input type="checkbox"/> Power Supply System	
Type of roof	Zinc	Wire	2	<input type="checkbox"/> <input type="checkbox"/> Operations of E/G	
Type of ceiling	Asbestos	kVA		<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	Mortar	Availability of power per day	Hours	Main tank	k Liter
Room Area (m <sup>2</sup> )		Power interruption /month		E/G Stand-by System	
Operation room	9.00	Total interpt. hours /month	Hours	<input type="checkbox"/> Single System	
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/> Dual System	
Remark	Office Building owned by Kanpel				

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

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>TANJUNG BALAI ASAHAN</b>		
	<b>CLASS</b>	<b>4th-B</b>	<b>NO.</b>	<b>12</b>

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

<b>7. COMMENTS</b>	
<b>Suggestion</b>	Mobile communications service shows low uses, but for Fixed communication service quite high Coast station building which has been built in 1993 by Disnav never functioned due to the remote location far from civilization, there is no highway access and commercial power (PLN) For the time being, the operational was done in port administration office of Tanjung Balai Asahan
<b>Remarks</b>	

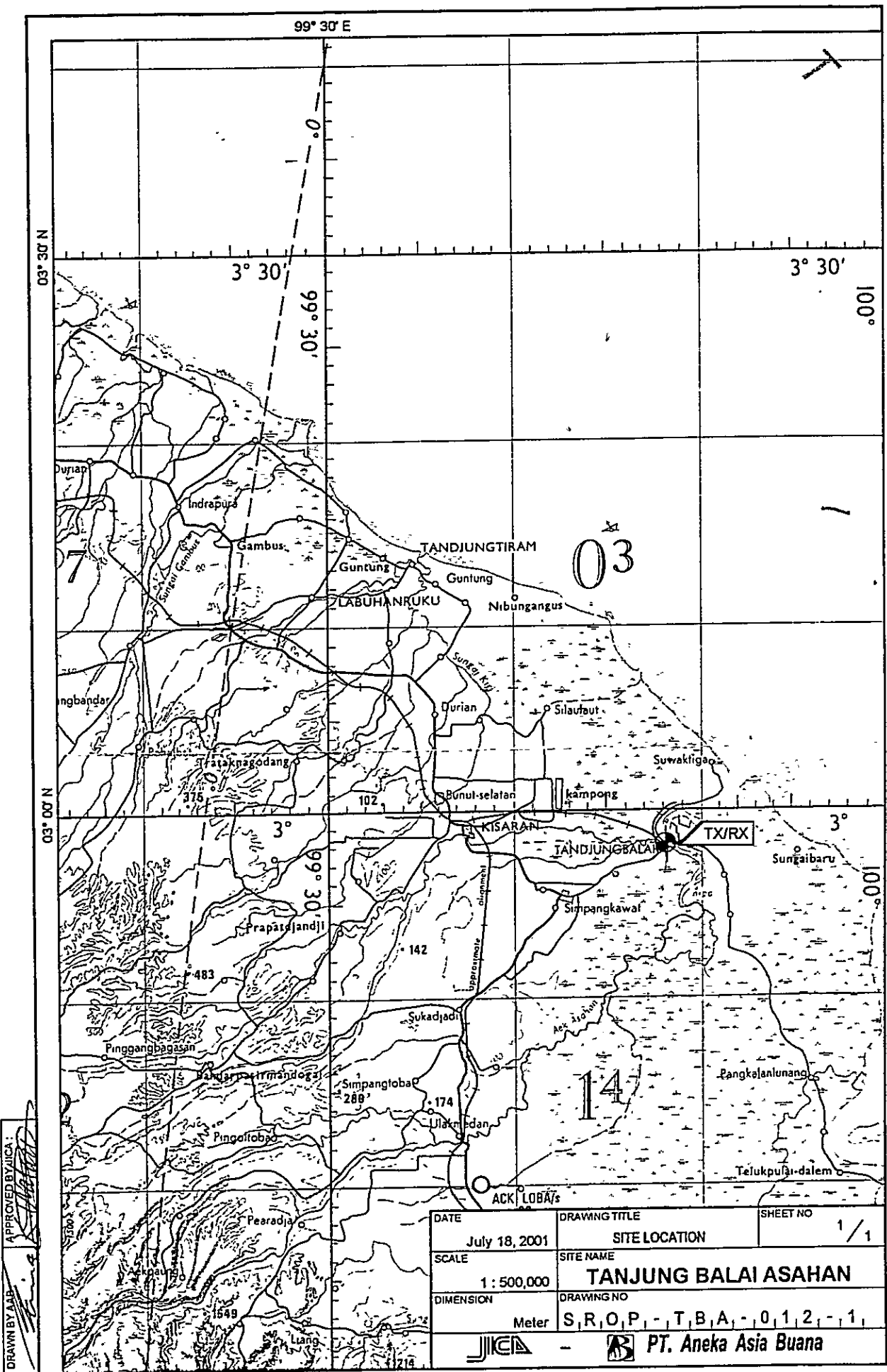
# INVENTORY

Site Name: Tanjung Balai Asahan

TBA-012- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		MF/HF System	M-700	13895A	ICOM	1986	Local Budget		Damaged
2		SSB Transceiver 100W	M-710	03293	ICOM	1997	Local Budget		Good
1-2		VHF System							
1		VHF Transceiver 25W	FM-400H	245334	Furuno	1988	Local Budget		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Tower & Mast							
1		18mH Antenna Pole			Local	1990	Local Budget		Good
2-2		Antenna System							
1		HF Whip Antenna			Local	1986	Local Budget		Good
2		VHF Dipole Antenna			Local	1988	Local Budget		Good
2-3		Antenna Matching Unit							
1		Antenna Tuner	AT-130	05675	ICOM	1997	Local Budget		Good
2		Antenna Tuner	AT-120	-	ICOM	1989	Local Budget		Damaged
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR System							
1		Adaptor 220V AC 13.8V DC 30A	PS-304-II		DAIWA	1988	Local Budget		Good
2		Adaptor 220V AC 13.8V DC 30A			VIDEO		Local Budget		Good



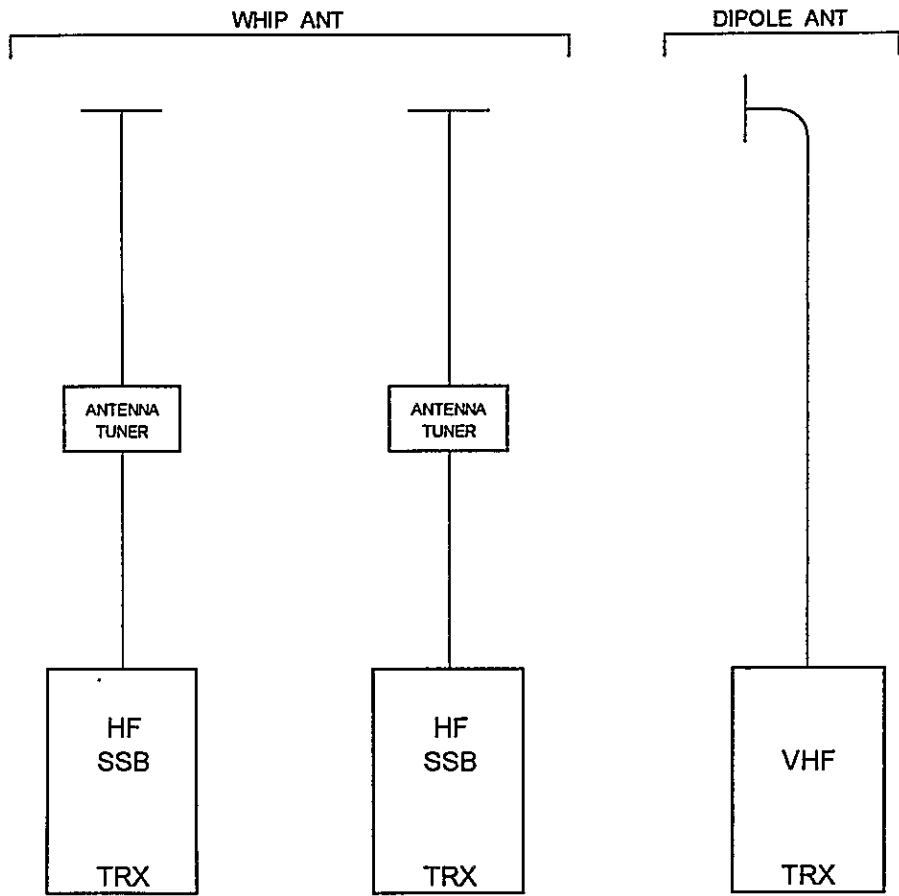


DRAWN BY A.A.B.

APPROVED BY AICA:

DATE	DRAWING TITLE	SHEET NO
July 18, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	<b>TANJUNG BALAI ASAHAN</b>	
DIMENSION	DRAWING NO	
Meter	S, R, O, P, - , T, B, A, - , 0, 1, 2, - , 1, 1	
-		





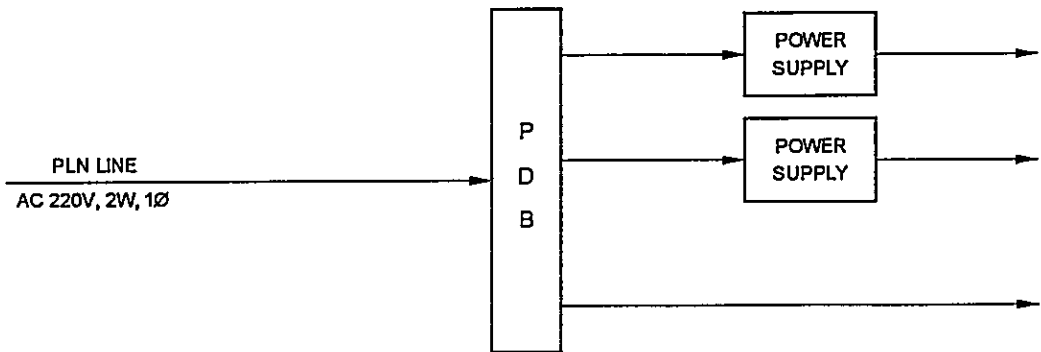


DRAWN BY AAB  
APPROVED BY JICA

**LEGEND**

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



DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO. 1 / 1
SCALE No Scale	SITE NAME <b>TANJUNG BALAI ASAHAN</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, T, B, A, -, 0, 1, 2, -, 5,	
 -  PT. Aneka Asia Buana		



**LEGEND**

- AC : ALTERNATING CURRENT
- HF : HIGH FREQUENCY
- TRX : TRANSCIEVER
- V : VOLT
- VHF : VERY HIGH FREQUENCY
- W : WIRE
- Ø : PHASE

DRAWN BY AAB:  APPROVED BY JCA: 

DATE July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1/1
SCALE No Scale	SITE NAME <b>TANJUNG BALAI ASAHAN</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - T, B, A, - 0, 1, 2, - 6,	
 -  PT. Aneka Asia Buana		

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

## **4th-A Class Coast Station Lhok Seumawe (Coast Station No. 13)**

### **Table of Content**

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

#### TRX Drawings:

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

#### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	SITE	LHOK SEUMAWE		
	CLASS	4th-A	NO.	13

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Medan Banda Aceh	57650		97° 00' 30" E	05° 14' 21" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Car	to LSW [Taking time 5.00 hr.]	<input checked="" type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
By Car	to Location [Taking time. 0.30 hr.]	<input type="checkbox"/> Unpaved road	<input checked="" type="checkbox"/> Light		
			<input type="checkbox"/> None		

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

3.1 Site Conditions				
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input checked="" 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	5.00 M		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	1,000 m <sup>2</sup>		<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	1	1	<input type="checkbox"/> <input type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	2	<input type="checkbox"/> <input type="checkbox"/> Operations of E/G
Type of ceiling	Asbestos	kVA	2.2	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
Flooring	Tile	Availability of power per day	24 Hours	Main tank	Liter
Room Area (m <sup>2</sup> )		Power interruption /month	2 Times	E/G Stand-by System	
Operation room	80.00	Total interpt. hours /month	6 Hours	<input checked="" type="checkbox"/> Single System	
E / G room	20.00	Max. interpt. hours at once	4 Hours	<input type="checkbox"/> Dual System	
Remark	All equipment have been stolen				

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

<b>SUMMARY OF COAST STATION</b>	SITE	<b>LHOK SEUMAWE</b>		
	CLASS	4th-A	NO.	13

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

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

# INVENTORY

Site Name: Lhokseumawe

LSW-013- (1 / 1)

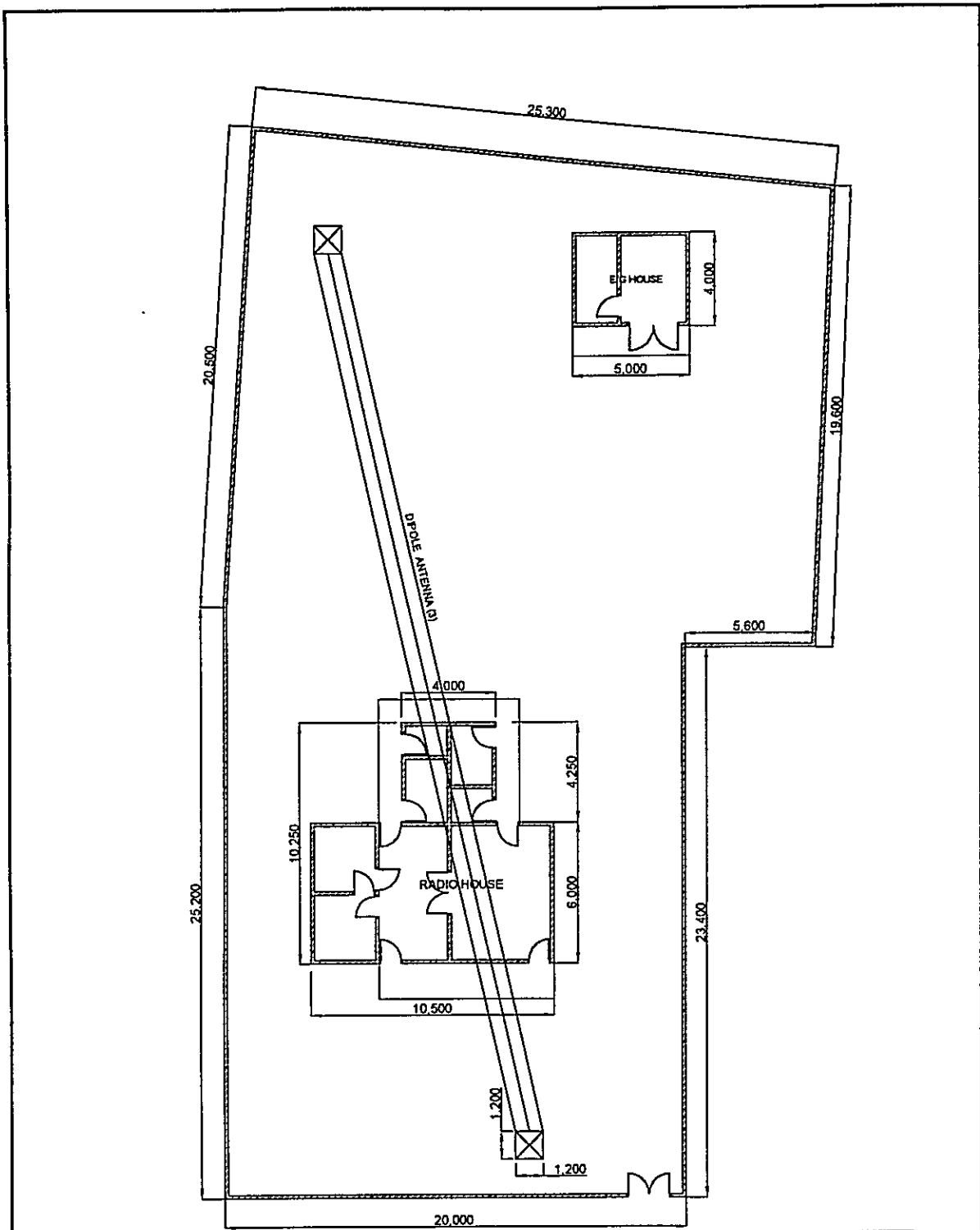
No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition	
1		<b>Radio Equipment</b>					<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">                     All Equipment have been robbed and stolen                      in December 2000                 </div>			
1-1		MF/HF System	IC-M700	48360	ICOM	1995				
2		SSB Transceiver	FS-1000	5590-2546	Furuno	1989				
3		SSB Transceiver	FT-300C	8304052	Yaesu	1984				
1-2		VHF System								
2		3 Channels VHF Transceiver	FM-400H	245386	Furuno	1989				
2-1		<b>Tower &amp; Antenna System</b>								
1		Tower & Mast	Square			1997				
2		20mH Tower-1	R-24			1997				
2-2		20mH Tower-2								
1		Antenna System				1995				
2		T-Dipole Antenna-1				1989				
2-3		T-Dipole Antenna-2								
1		Antenna Switch				1995				
3		Automatic Antenna Tuner	AT-120		ICOM	1995				
3-1		<b>Power Supply Equipment</b>								
1		UPS & AVR	PV-4010		RTVC	1995				
2		DC Power Supply 40A	RE-2000	183027	VEDIO	1989				
3		DC Power Supply 20A	CA-1010S		Carlton	1989				
4		DC Power Supply 10A			Supetron	1995				
5		Accu Charger 15A			YUASA	1995				
3-2		Accumulator 12V/200AH (x2)								
1		Engine Generator	TF-75H-di	1560387H	Yanmar	1997				
2		Diesel Motor	FA-3	0470155	DENYO	1997				
4		Generator 220V, 3kVA								
5		<b>Measuring Equipment</b>								
1		AVO Meter	TX-360TRE		SANWA	1994				
2		<b>Others</b>								
1		Air Conditioner Split 2PK	LT-1806YRS	40153T-0018	TECO	1997				
2		Fan	F-ER 307	030787	National	1989				
3		Fan	F-18DK	95040698	Maspion	1995				







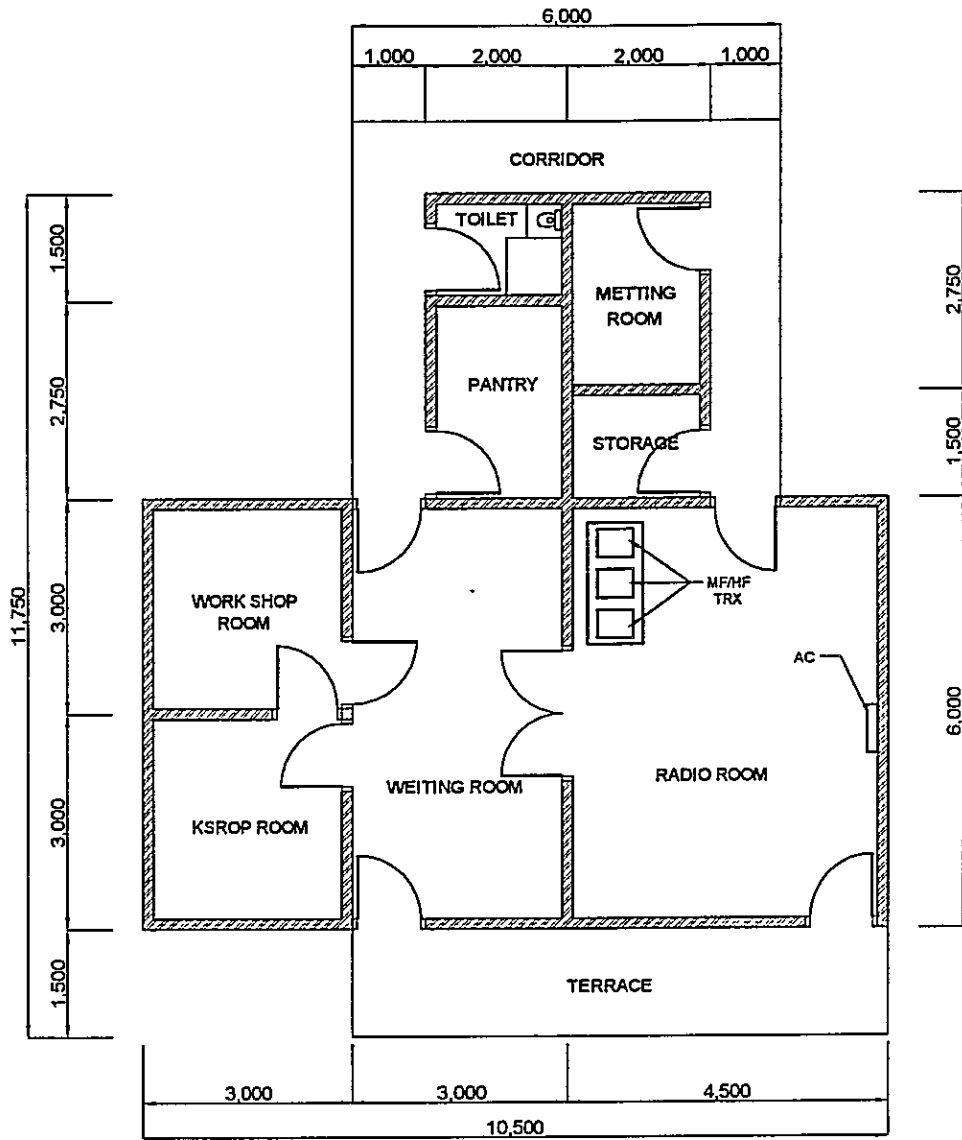




LRLR. AYAH GELANGANG

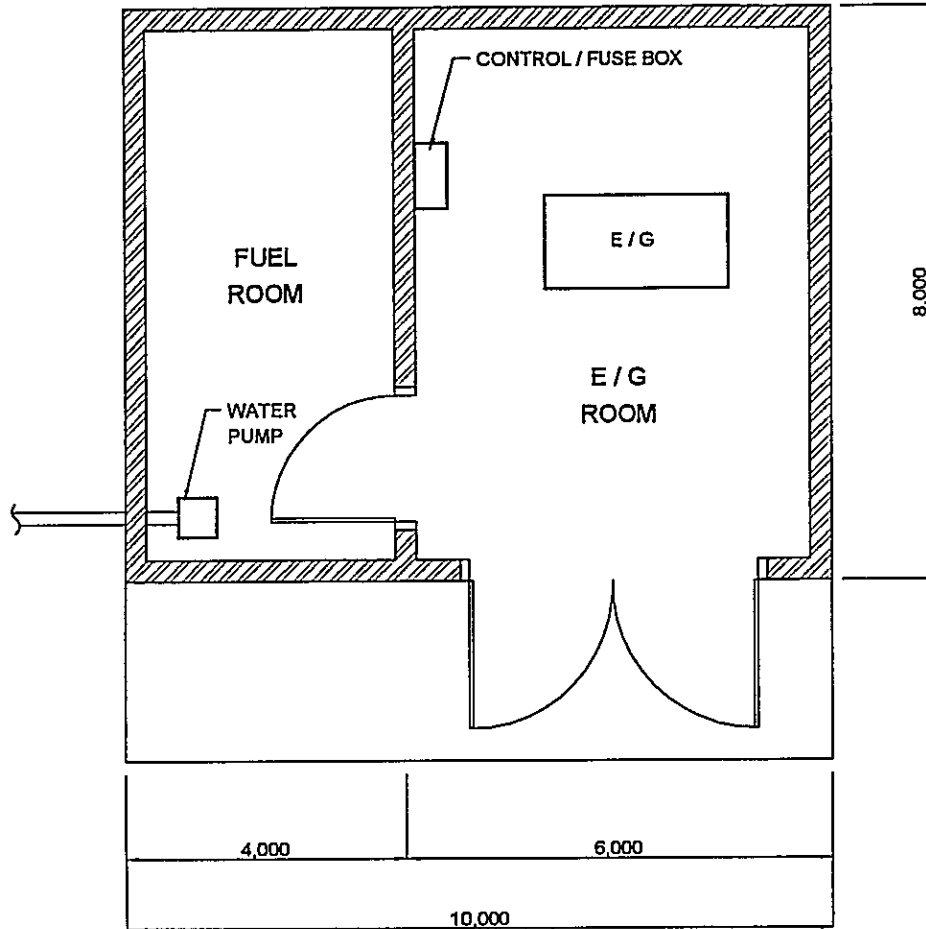
DRAWN BY AAB  
 APPROVED BY JICA: *[Signature]*

DATE June 13, 2001	DRAWING TITLE ANTENNA LAYOUT FOR STATION	SHEET NO 1/1
SCALE 1:250	SITE NAME <b>LHOKSEUMAWE</b>	
DIMENSION Miltmeter	DRAWING NO. S, R, O, P, - L, S, W, - 0, 1, 3, - 2, 1	
	-  PT. Aneka Asia Buana	



DRAWN BY: AAB  
 APPROVED BY: JICA

DATE June 12, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1/1
SCALE 1 : 100	SITE NAME <b>LHOKSEUMAWE</b>	
DIMENSION Millimeter	DRAWING NO S, R, O, P, - , L, S, W, - , 0, 1, 3, - , 3,	
-  PT. Aneka Asia Buana		

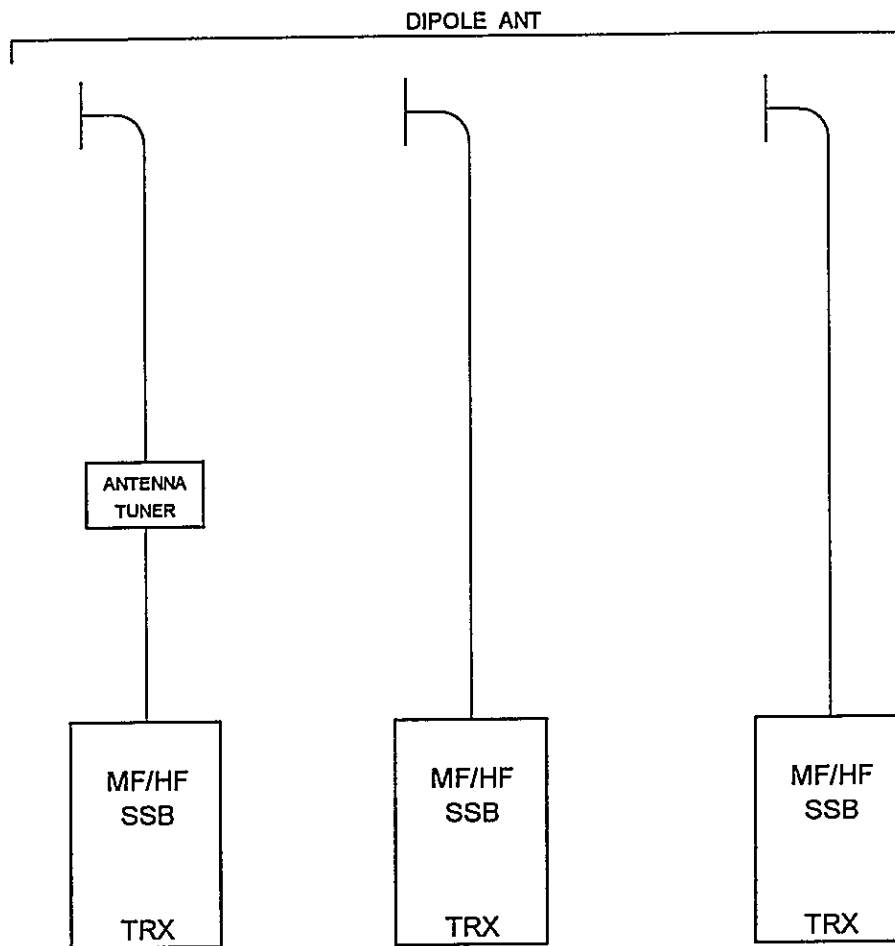


APPROVED BY JICA :  
 DRAWN BY AAB :

**LEGEND**

E/G : ENGINE GENERATOR

DATE	DRAWING TITLE	SHEET NO.
June 12, 2001	E/G FLOOR LAYOUT	1 / 1
SCALE	SITE NAME	
1 : 50	LHOKSEUMAWE	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - L, S, W, - 0, 1, 3, - 4,	

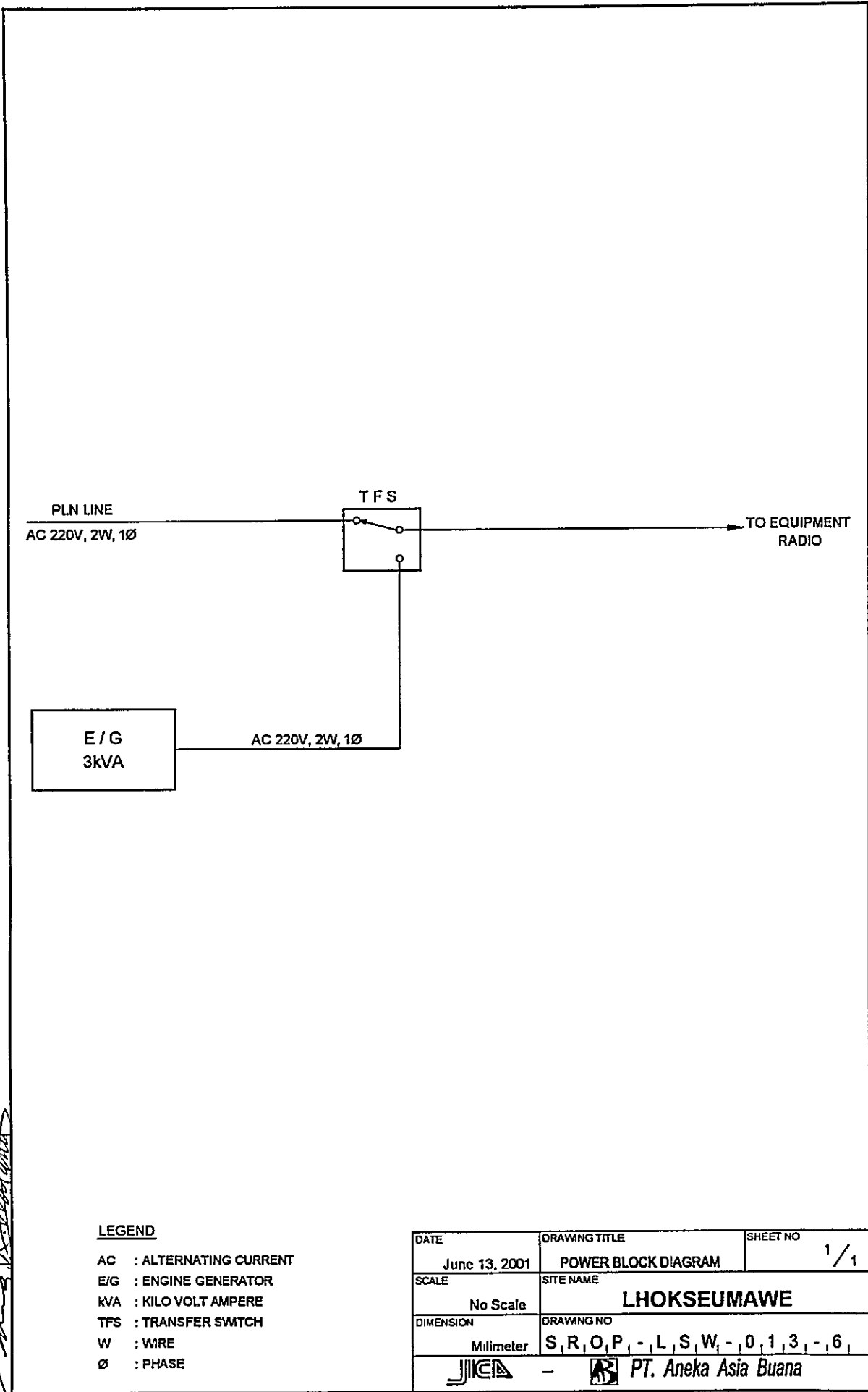


APPROVED BY JICA: *[Signature]*  
 DRAWN BY AAB: *[Signature]*

**LEGEND**

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

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



DRAWN BY: AAR  
 APPROVED BY: JICA

**LEGEND**

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

DATE	DRAWING TITLE	SHEET NO
June 13, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	LHOKSEUMAWE	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, - , L, S, W, - , 0, 1, 3, - , 6, 1	
-          PT. Aneka Asia Buana		

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

## **4th-A Class Coast Station Kuala Langsa (Coast Station No. 14)**

### **Table of Content**

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

#### **TRX Drawings:**

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

#### **Note :**

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>KUALA LANGSA</b>		
	<b>CLASS</b>	4th-A	<b>NO.</b>	14

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Pelabuhan - Kuala Langsa	0641-20672		98° 01' 05" E	04° 31' 38" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time 2.00 hr]	<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Langsa [Taking time 4.30 hr.]	<input type="checkbox"/> Paved	<input checked="" type="checkbox"/> Medium	<input checked="" type="checkbox"/> Motel	
By Car	to K. Langsa [Taking time 0.5 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 checked="" 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 type="checkbox"/> <input checked="" type="checkbox"/> Grounding system	
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> Tide	<input type="checkbox"/> <input checked="" type="checkbox"/> Lightning system	
Altitude	M		Telephone Lines	<input checked="" type="checkbox"/> <input type="checkbox"/> Feeder Cable Way	
Land area	m <sup>2</sup>		<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water	
3.2 Building Conditions			3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System	
Type of roof	Asbestos	Wire	2	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G	
Type of ceiling	Asbestos	kVA	0.9	<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR	
Type of wall	Concrete	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Mortar	Fluctuations	V ± %	Day tank	Liter
Flooring		Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m <sup>2</sup> )		Power interruption /month		E/G Stand-by System	
Operation room	9.00	Total interpt. hours /month		<input type="checkbox"/> Single System	
E / G room		Max. interpt hours at once		<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		Battery		Operator (skilled)	1 ( )		( )	
Sufficiency of spares				Technician (skilled)	( )		( )	
Records of damages		Environmental Conditions		Administrator				
<input type="checkbox"/> Heavy rainfall			Good   Bad					
<input type="checkbox"/> Storm			<input checked="" type="checkbox"/> <input type="checkbox"/> External noises	Total 2				
<input type="checkbox"/> Lightning			<input checked="" type="checkbox"/> <input type="checkbox"/> Air pollution					
<input type="checkbox"/> Other calamity								
Institutional and Human Statuses				Training Record				
1 Budget	<input type="checkbox"/> Sufficient	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Insufficient	Course	Class	Location	Period	Trainee
2 Spares	<input type="checkbox"/> Enough	<input type="checkbox"/> Reasonable	<input checked="" type="checkbox"/> Not enough	Operator	Oru	Jakarta	1996	1
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 checked="" type="checkbox"/> Not capable					



<b>SUMMARY OF COAST STATION</b>	SITE	KUALA LANGSA		
	CLASS	4th-A	NO.	14

**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**

<b>Suggestion</b>	Kuala Langsa Station unavailable to serve better to the ship due to limited equipment system facility. Coast Station utilize former port administration office of Kuala Langsa
<b>Remarks</b>	

# INVENTORY

Site Name: Kuala Langsa

KLS-014- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		MF/HF System							
1		SSB Transceiver 100W	M-700	5365	ICOM	1993	Local Budget		Good
2		SSB Transceiver 100W	M-700	50532	ICOM	1996	Local Budget		Good
2		<b>Tower &amp; Antenna System</b>							
2-1		Antenna System							
1		Dipole Antenna	T. Dipole			1990	Local Budget		Damaged
2		Dipole Antenna	T. Dipole			1993	Local Budget		Good
3		Dipole Antenna	T. Dipole			1996	Local Budget		Good
2-2		Antenna Switch							
1		Antenna Tuner	AT-120		ICOM	1993	Local Budget		Good
2		Antenna Tuner	AT-120		ICOM	1996	Local Budget		Damaged
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR							
1		Power Supply			VEDIO	1990	Local Budget		Good
2		Power Supply			EIWA	1993	Local Budget		Good
3		Power Supply			RTVC	1996	Local Budget		Good
4		Battery Charger			Yamasaki	1993	Local Budget		Damaged
5		Battery Charger			Yarnada	1996	Local Budget		Damaged
6		Battery	100AH		Yuasa	1993	Local Budget		Damaged
7		Battery	200AH		NS	1996	Local Budget		Damaged
4		<b>Measuring Equipment</b>							
1		AVO Meter			SANWA	1990			Good

# STATUS OF TROUBLES

SITE NAME : KUALA LANGSA

KLS-14-(1/1)

Item / Equipment	Battery Charger / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input type="checkbox"/> Aging		Repairing to be:
	<input type="checkbox"/> Lightning		<input 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>			
<p>Maintenance as per three months is very important                  To accelerate the operational, budget for maintenance Coast Station is very important                  Request for the attention</p>			

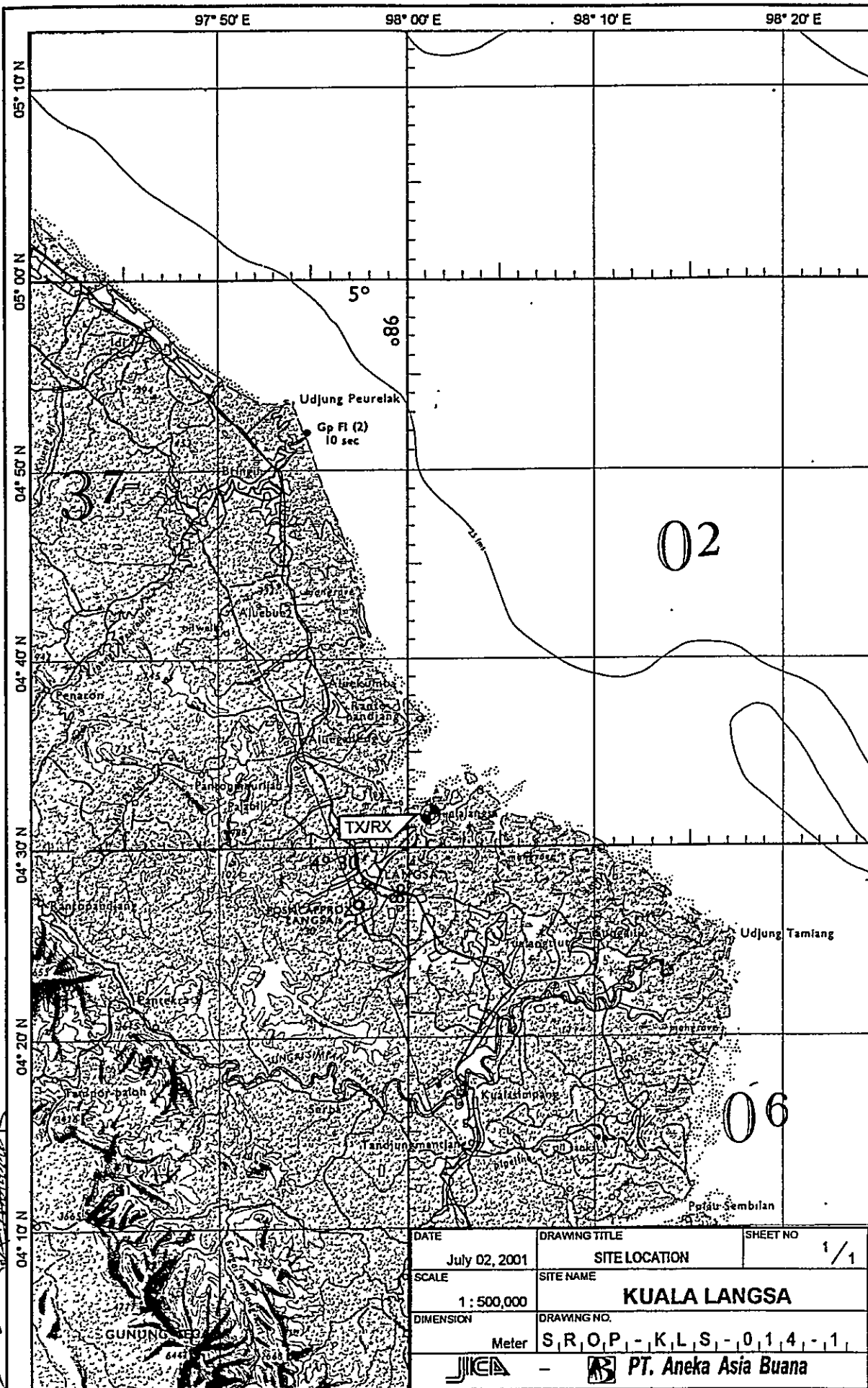
# OPERATION SCHEDULE (FREQUENCIES)

Site Name: Kuala Langsa

KLS-014-(1/1)

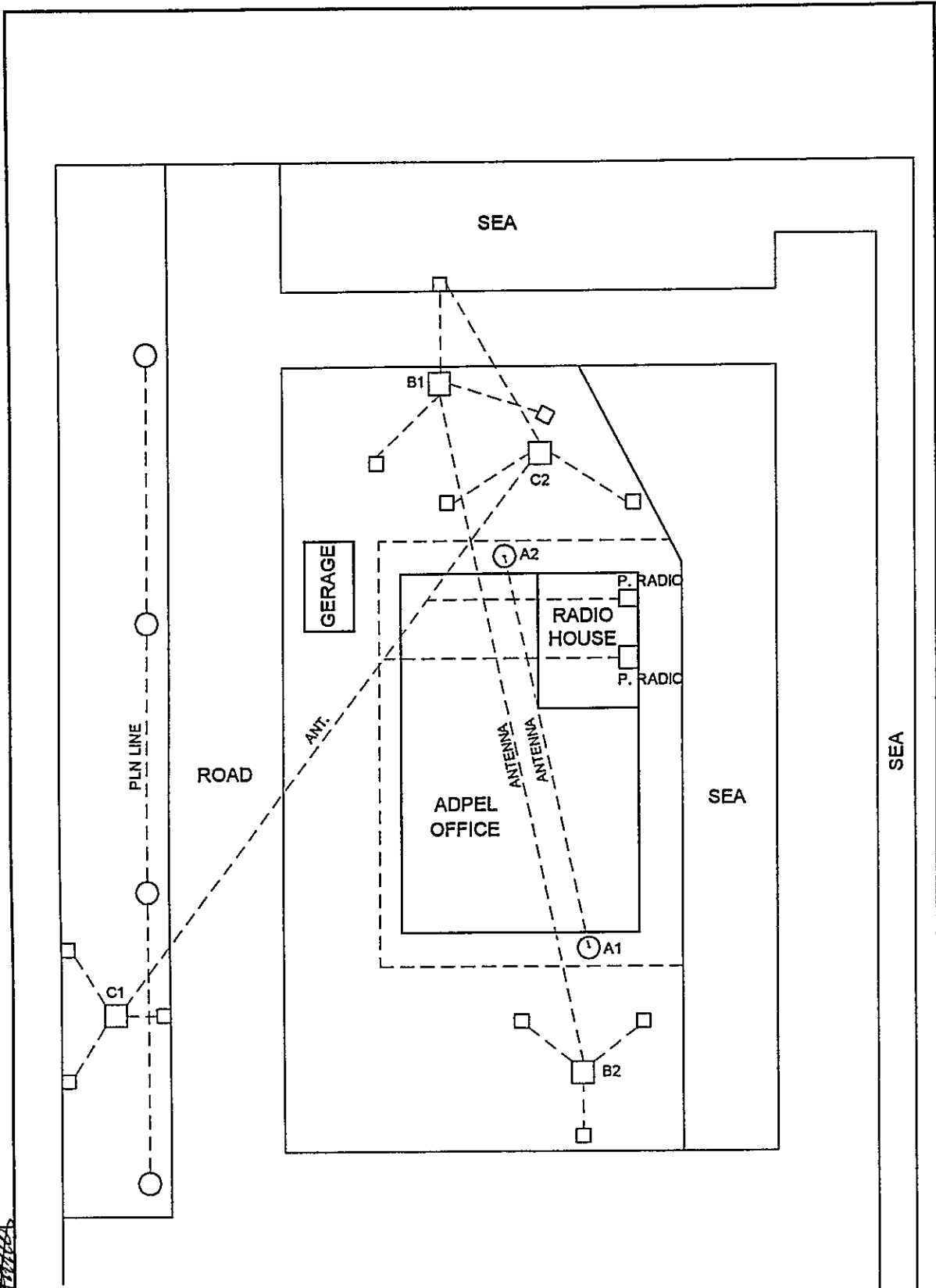
Call Sign : Mobile Service ' PKA22  
Fix Service :

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



DRAWN BY AAB  
 APPROVED BY JICA:

DATE	DRAWING TITLE	SHEET NO
July 02, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	KUALA LANGSA	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - K, L, S, - 0, 1, 4, - 1	
-  PT. Aneka Asia Buana		

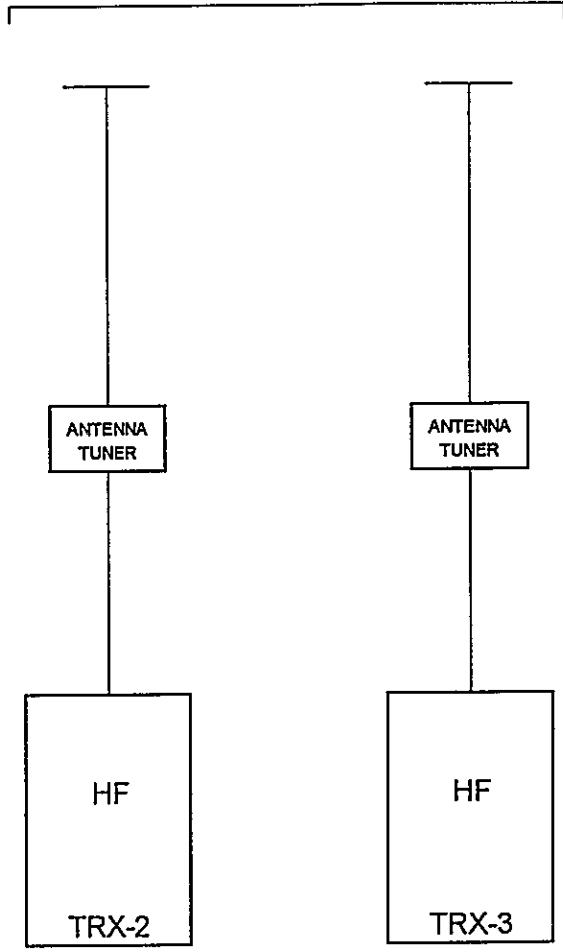
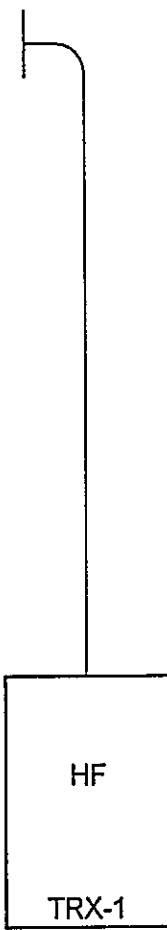



DRAWN BY: JICA  
 APPROVED BY: JICA

DATE	DRAWING TITLE	SHEET NO.
June 13, 2001	ANTENNA LAYOUT FOR STATION	1 / 1
SCALE	SITE NAME	
1 :	KUALA LANGSA	
DIMENSION	DRAWING NO.	
Millimeter	S, R, O, P, -, K, L, S, -, 0, 1, 4, -, 2,	
-  PT. Aneka Asia Buana		

DIPOLE ANT



WHIP ANT



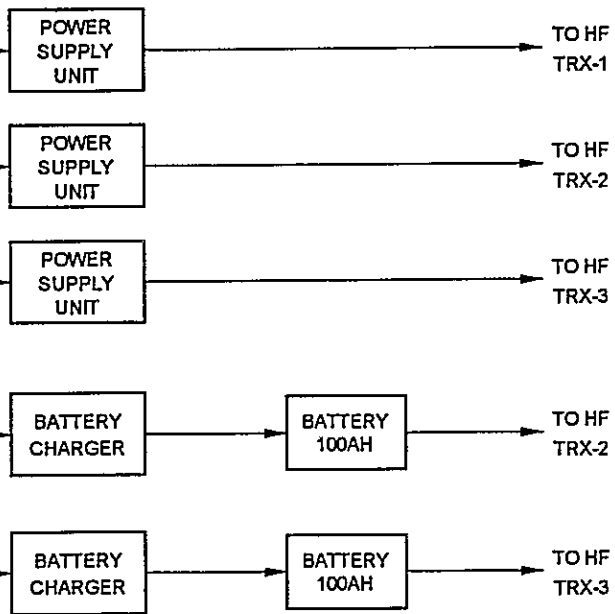
APPROVED BY JICA:   
 DRAWN BY AAB: 

**LEGEND**

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

DATE July 27, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>KUALA LANGSA</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, K, L, S, -, 0, 1, 4, -, 5,	
 -  PT. Aneka Asia Buana		

PLN LINE  
AC 220V, 2W, 1Ø



**LEGEND**

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

DRAWN BY AAB  
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 27, 2001	POWER BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	KUALA LANGSA	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, -, K, L, S, -, 0, 1, 4, -, 6,	
-  PT. Aneka Asia Buana		



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

**4th-A Class Coast Station  
Tg. Tiram  
(Coast Station No. 15)**

## **Table of Content**

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

### TRX Drawings:

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

### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	SITE	TANJUNG TIRAM		
	CLASS	4th-A	NO.	15

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				99° 35' 01" E	03° 13' 02" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time: 2 00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Ship	to Medan [Taking time: 48 00 hr.]	<input 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
<input checked="" 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 checked="" 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		<input checked="" type="checkbox"/> Tide
Altitude	M		Telephone Lines
Land area	m <sup>2</sup>		<input type="checkbox"/> Lines

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

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

<b>SUMMARY OF COAST STATION</b>	SITE	TANJUNG TIRAM		
	CLASS	4th-A	NO.	15

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

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

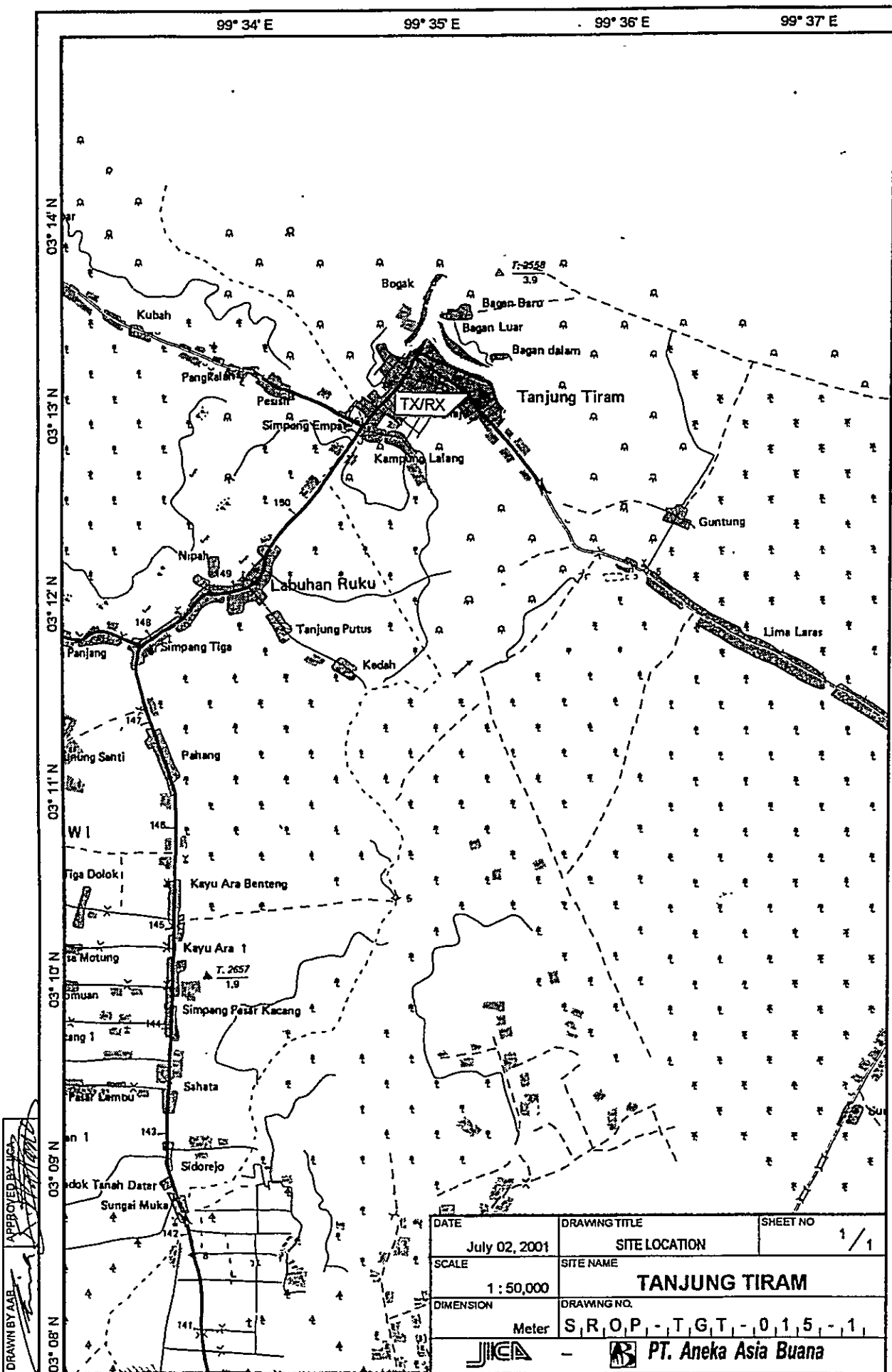
# INVENTORY

Site Name: Tanjung Tiram

TGT-015- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1	1	MF/HF System SSB Transceiver 100W	M-710	03175	ICOM	1997	Local Budget		Good
2		<b>Tower &amp; Antenna System</b>							
2-1	1	Tower & Mast 20mH Antenna Pole	Pipe		Local	1997	Local Budget		Good
2-2	1	Antenna System HF Whip Antenna			Local	1997	Local Budget		Good
2-3	1	Antenna Matching Unit Antenna Tuner	AT-130	05674	ICOM	1997	Local Budget		Good
3		<b>Power Supply Equipment</b>							
3-1	1	UPS & AVR System Adaptor 220V AC 13.8V DC 30A	PS-304-II		DAIWA	1997	Local Budget		Good

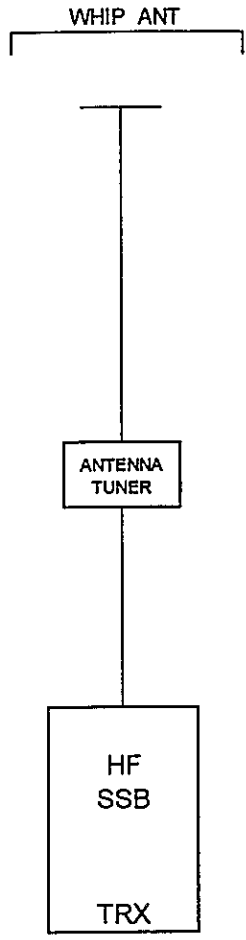




DRAWN BY AAB

APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
July 02, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	TANJUNG TIRAM	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - T, G, T, - 0, 1, 5, - 1	



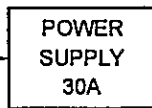
DRAWN BY AAS  
 APPROVED BY AICA

**LEGEND**

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

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	TANJUNG TIRAM	
DIMENSION	DRAWING NO	
Milimeter	S, R, O, P, -, T, G, T, -, 0, 1, 5, -, 5,	

PLN LINE  
AC 220V, 2W, 1Ø





TO HF  
SSB  
TRX

**LEGEND**

AC : ALTERNATING CURRENT  
V : VOLT  
W : WIRE  
Ø : PHASE

APPROVED BY JICA  
  
 DRAWN BY AAB  


DATE July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO. 1/1
SCALE No Scale	SITE NAME <b>TANJUNG TIRAM</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, -, T, G, T, -, 0, 1, 5, -, 6,	
 -  PT. Aneka Asia Buana		



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

## **4th-A Class Coast Station Labuhan Bilik (Coast Station No. 16)**

### **Table of Content**

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

#### TRX Drawings:

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

#### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>LABUHAN BILIK</b>		
	<b>CLASS</b>	4th-A	<b>NO.</b>	16

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Panglima Sudirman No. 4			100° 10' 05" E	02° 30' 58" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input checked="" type="checkbox"/> Hotel	
By Ship	to Mdn [Taking time: 48.00 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 checked="" type="checkbox"/> Flat	<input checked="" type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes	No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	M		Telephone Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> Feeder Cable Way
Land area	1,440 m <sup>2</sup>		<input type="checkbox"/> Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water
3.2 Building Conditions			3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good Bad	
Structure	Concrete	Phase	1	<input type="checkbox"/>	<input checked="" type="checkbox"/> Power Supply System
Type of roof	Zinc	Wire	2	<input type="checkbox"/>	<input checked="" type="checkbox"/> Operations of E/G
Type of ceiling	Asbestos	kVA	3	<input type="checkbox"/>	<input checked="" type="checkbox"/> Operations of AVR
Type of wall	Mortar	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Painting	Fluctuations	220 V ± 10 %	Day tank	2 Liter
Flooring	Tile	Availability of power per day	Hours	Main tank	k Liter
Room Area (m <sup>2</sup> )		Power interruption /month	Times	E/G Stand-by System	
Operation room	80.00	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					

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

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>LABUHAN BILIK</b>		
	<b>CLASS</b>	4th-A	NO	16

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

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

# INVENTORY

Site Name: Labuhan Bilik

LBB-016- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver 100W	M-700		ICOM		Local Budget		Good
2		Tower & Antenna System							
2-1		Tower & Mast							
1		20mH Antenna Pole (2)	Pipe		Local		Local Budget		Good
2-2		Antenna System							
1		Dipole Antenna			Local		Local Budget		Good
2-3		Antenna Matching Unit							
1		Antenna Tuner	AT-120		ICOM		Local Budget		Good
3		Power Supply Equipment							
3-1		UPS & AVR System							
1		Adaptor 220V AC 13.8V DC 30A					Local Budget		Good
2		AVR 220V 500VA	SCV 500		VEDIO STAVOL		Local Budget		Good

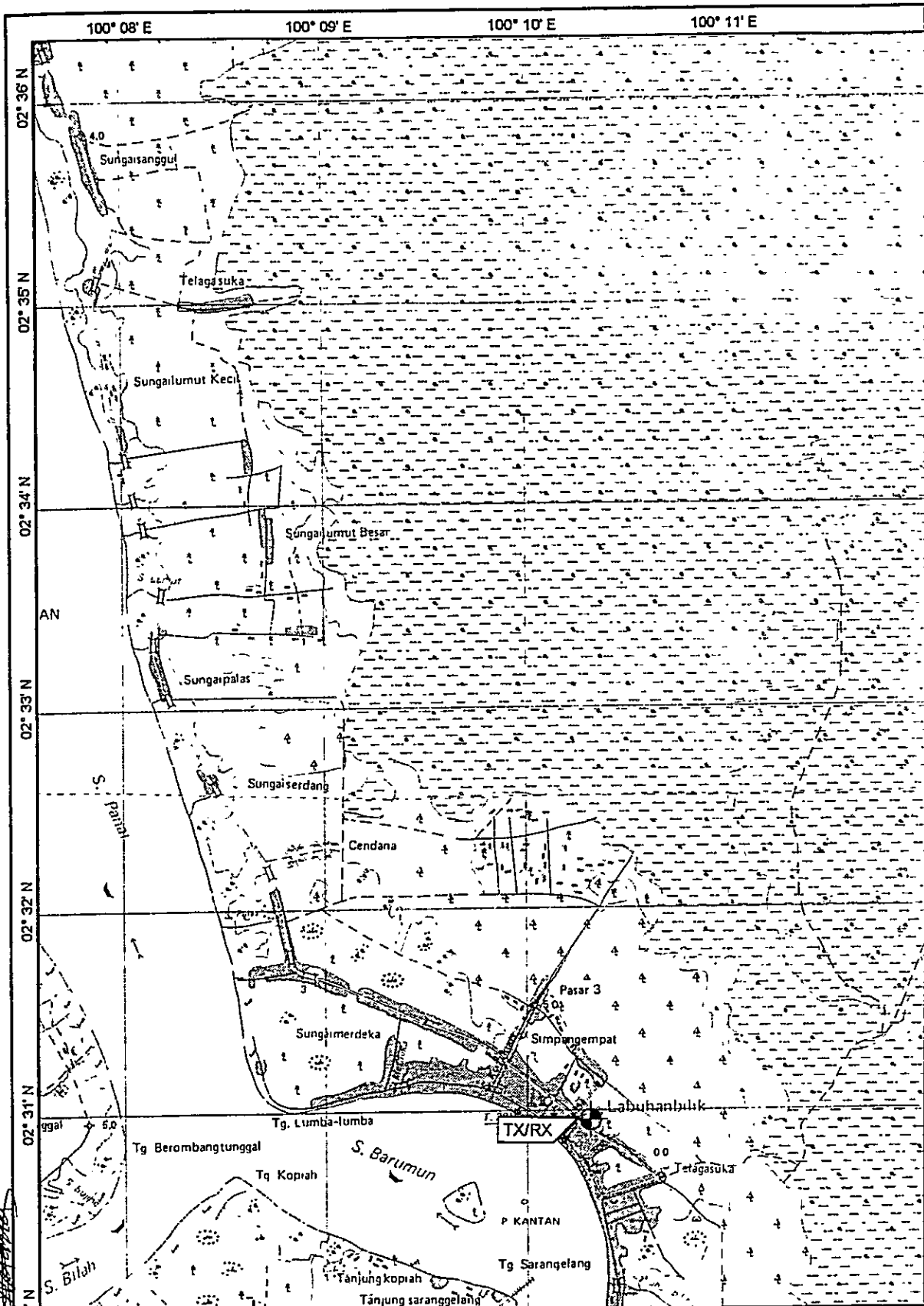
# STATUS OF TROUBLES

SITE NAME : LABUHAN BILIK

LBB-16-(1/1)

Item / Equipment	Tower 20M / -		
Manufacturer	Navigation Project		
Manufacturer in year	1997		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:	Urgency of Repair	
	<input type="checkbox"/> Aging		Repairing to be: <input type="checkbox"/> Immediacy <input type="checkbox"/> By next year budget <input checked="" type="checkbox"/> By next project <input type="checkbox"/> Unnecessary
	<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>			
Antenna Tower 20M constructed in 1997 has been corrosion, request for re-painting with galvanize paint			

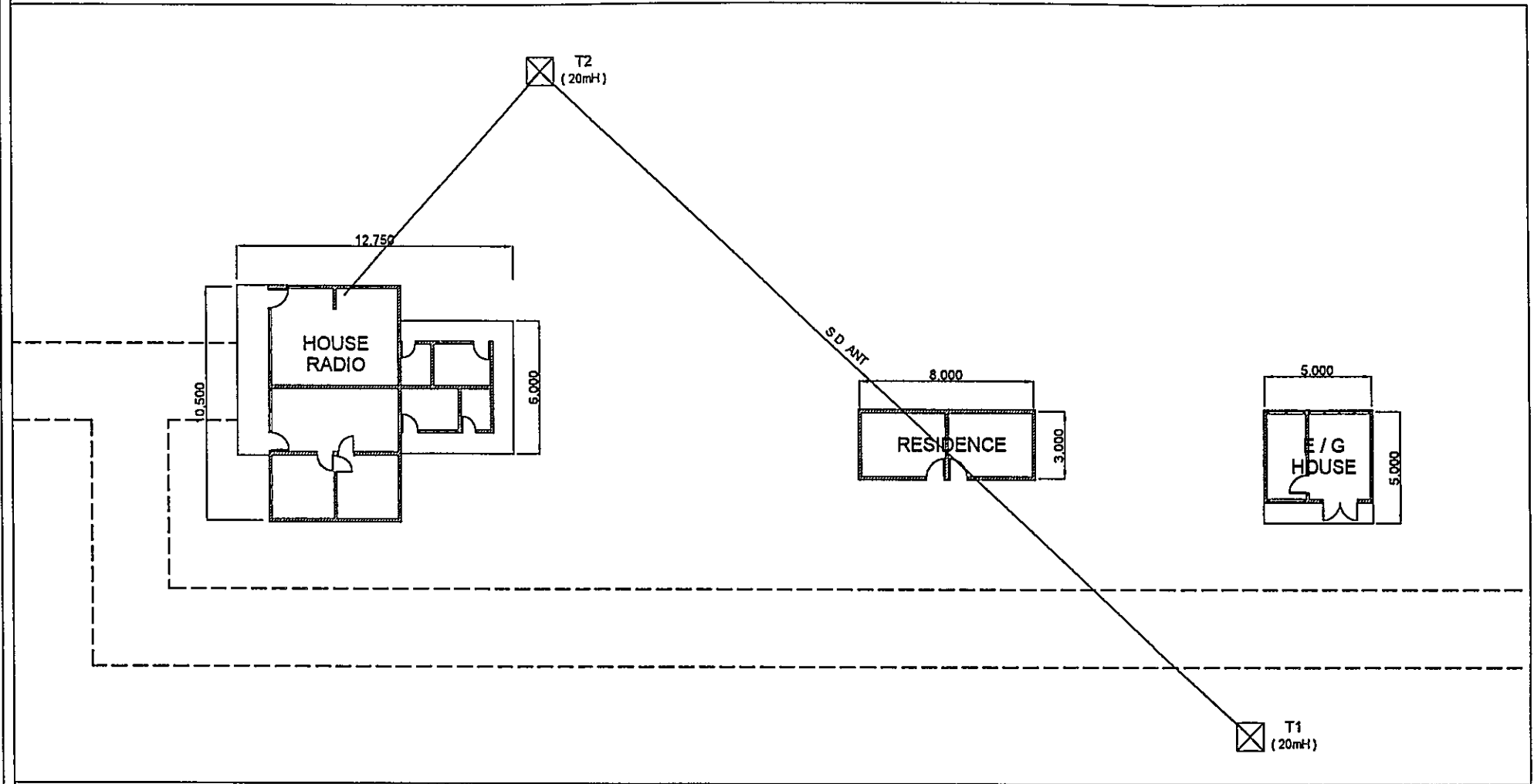






APPROVED BY JICA  
 DRAWN BY AAB

1:50,000  
 1:50,000  
 Meter  
 25 meter

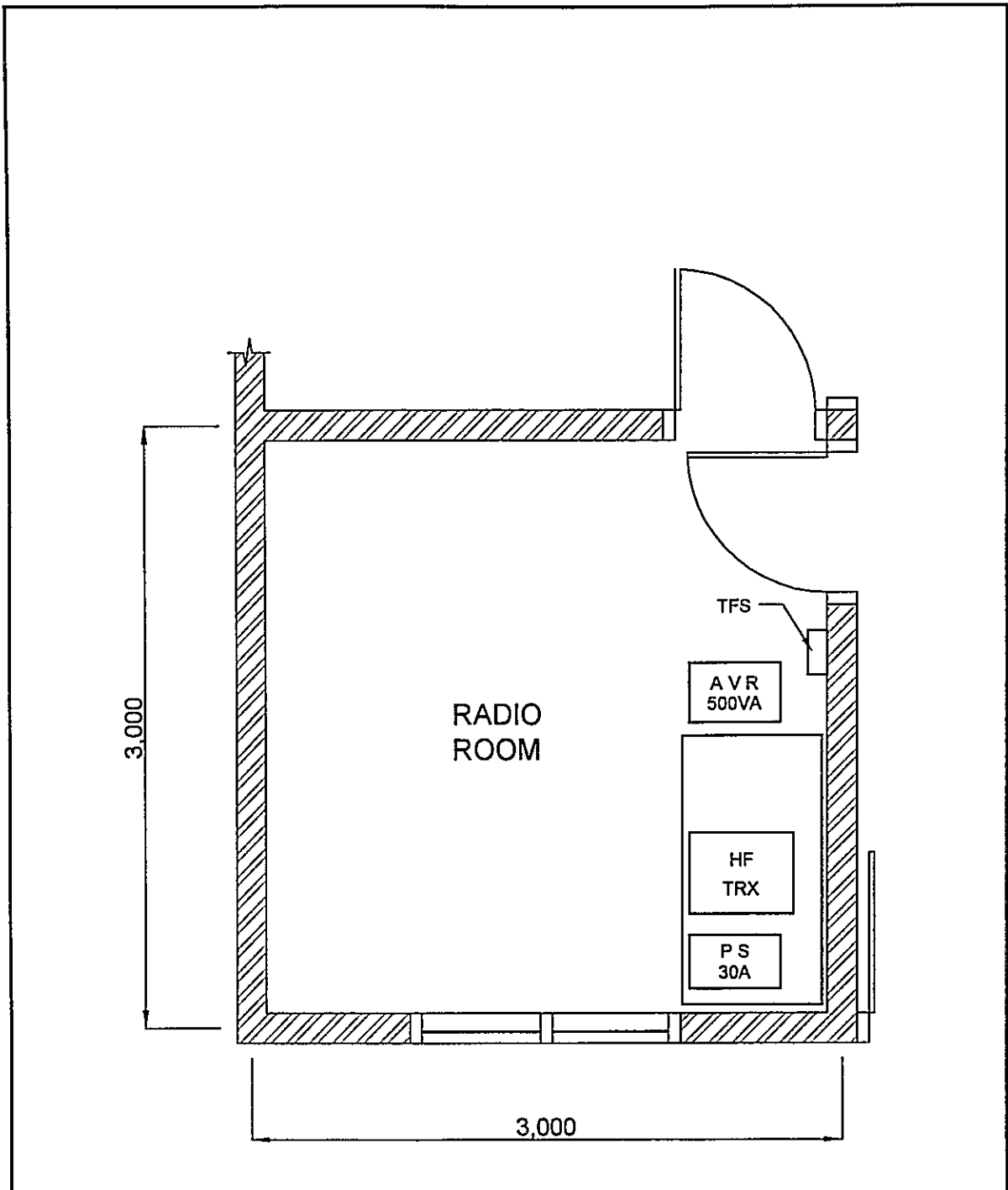
DATE	DRAWING TITLE	SHEET NO
July 02, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 50,000	<b>LABUHAN BILIK</b>	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - L, B, B, - 0, 1, 6, - 1,	



DRAWN BY AAB  
 APPROVED BY JICA  


DATE	DRAWING TITLE	SHEET NO.
August 20, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1 : 250	LABUHAN BILIK	
DIMENSION	DRAWING NO.	
Millimeter	S R O P - L B B - 0 1 6 - 2	
 -  PT. Aneka Asia Buana		



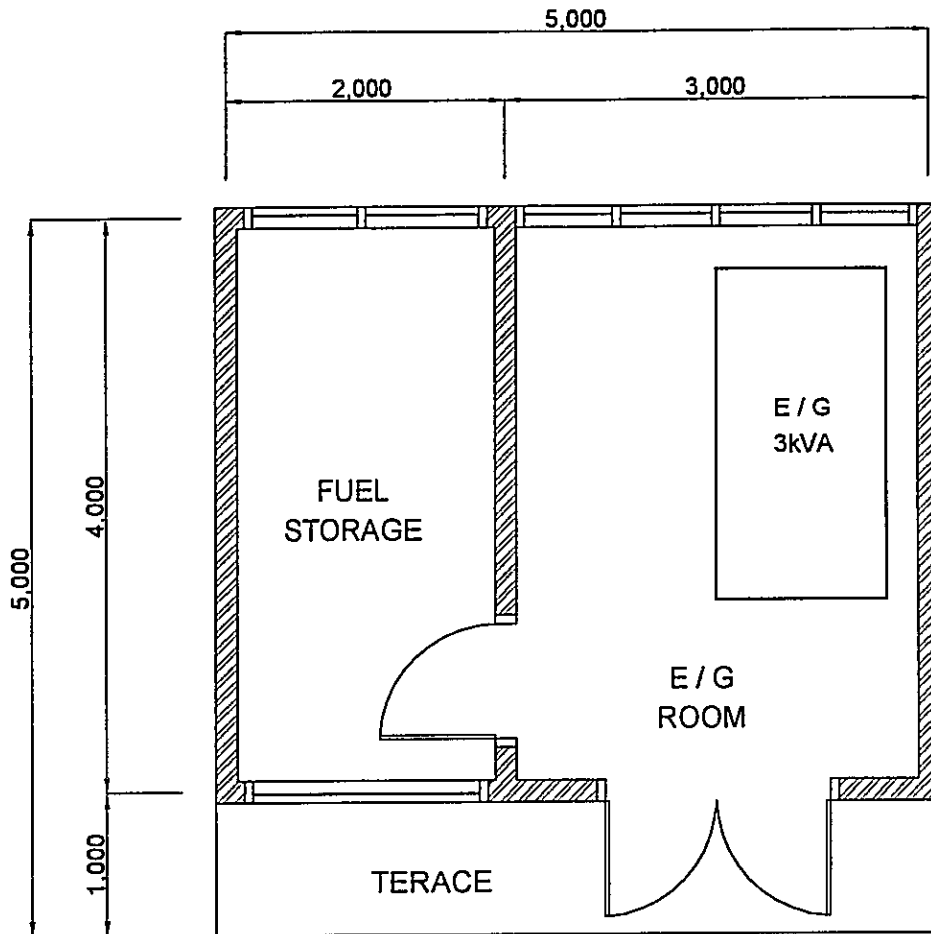


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 APPROVED BY JICA

**LEGEND**

- AVR : AUTOMATIC VOLTAGE REGULATOR
- HF : HIGH FREQUENCY
- PS : POWER SUPPLY
- TFS : TRANSFER SWITCH
- TRX : TRANSCEIVER ( ING )

DATE August 20, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO. 1 / 1
SCALE 1 : 100	SITE NAME <b>LABUHAN BILIK</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, L, B, B, -, 0, 1, 6, -, 3,	
-		PT. Aneka Asia Buana

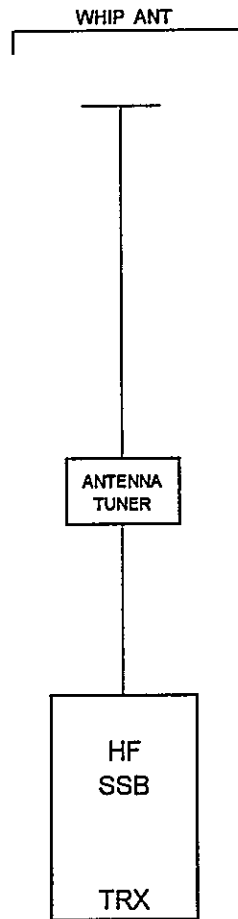


DRAWN BY AAB  
 APPROVED BY JICA  
 PT. Aneka Asia Buana

**LEGEND**

E/G : ENGINE GENERATOR  
 KVA : KILO VOLT AMPERE

DATE	DRAWING TITLE	SHEET NO
August 20, 2001	E/G FLOOR LAYOUT	1/1
SCALE	SITE NAME	
1 : 50	LABUHAN BILIK	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - L, B, B, - 0, 1, 6, - 4	
-  PT. Aneka Asia Buana		

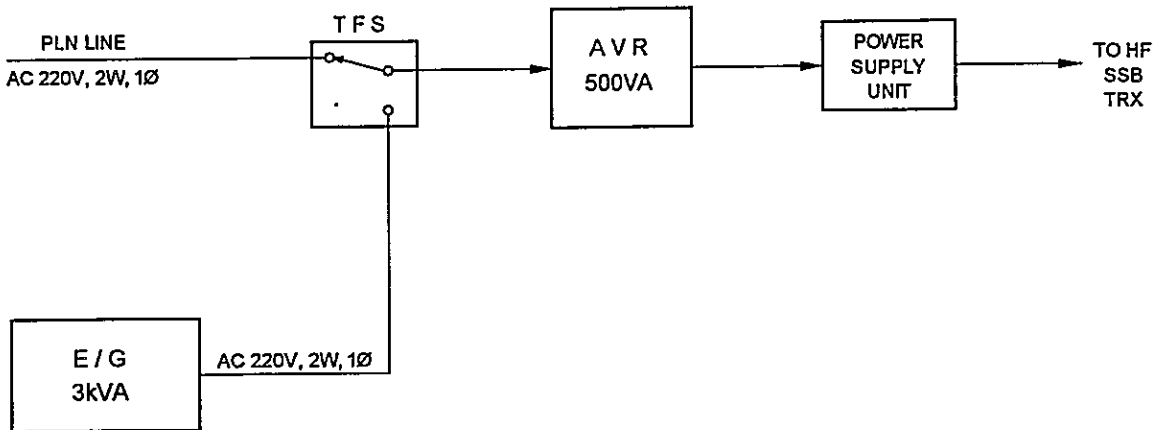


DRAWN BY AAB  
 APPROVED BY JICA

**LEGEND**

- ANT : ANTENNA
- HF : HIGH FREQUENCY
- TRX : TRANSCEIVER

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



**LEGEND**

- AC : ALTERNATING CURRENT
- AVR : AUTOMATIC VOLTAGE REGULATOR
- E/G : ENGINE GENERATOR
- HF : HIGH FREQUENCY
- KVA : KILO VOLT AMPERE
- TFS : TRANSFER SWTCH
- TRX : TRANSCEIVER ( ING )
- V : VOLT
- W : WIRE
- Ø : PHASE

DRAWN BY AAB.  
 APPROVED BY JICA.

DATE July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>LABUHAN BILIK</b>	
DIMENSION Milimeter	DRAWING NO S, R, O, P, - L, B, B, - 0, 1, 6, - 6,	
-  PT. Aneka Asia Buana		

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

## **4th-B Class Coast Station Pangkalan Brandan (Coast Station No. 17)**

### **Table of Content**

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

#### TRX Drawings:

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

#### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>PANGKALAN BRANDAN</b>		
	<b>CLASS</b>	4th-B	<b>NO.</b>	17

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				98° 10' 45" E	04° 00' 30" N

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

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

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

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

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>PANGKALAN BRANDAN</b>		
	<b>CLASS</b>	<b>4th-B</b>	<b>NO.</b>	<b>17</b>

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

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

# INVENTORY

Site Name: Pangkalan Brandan

PBN-017- (1 / 1)

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



# OPERATION SCHEDULE (FREQUENCIES)

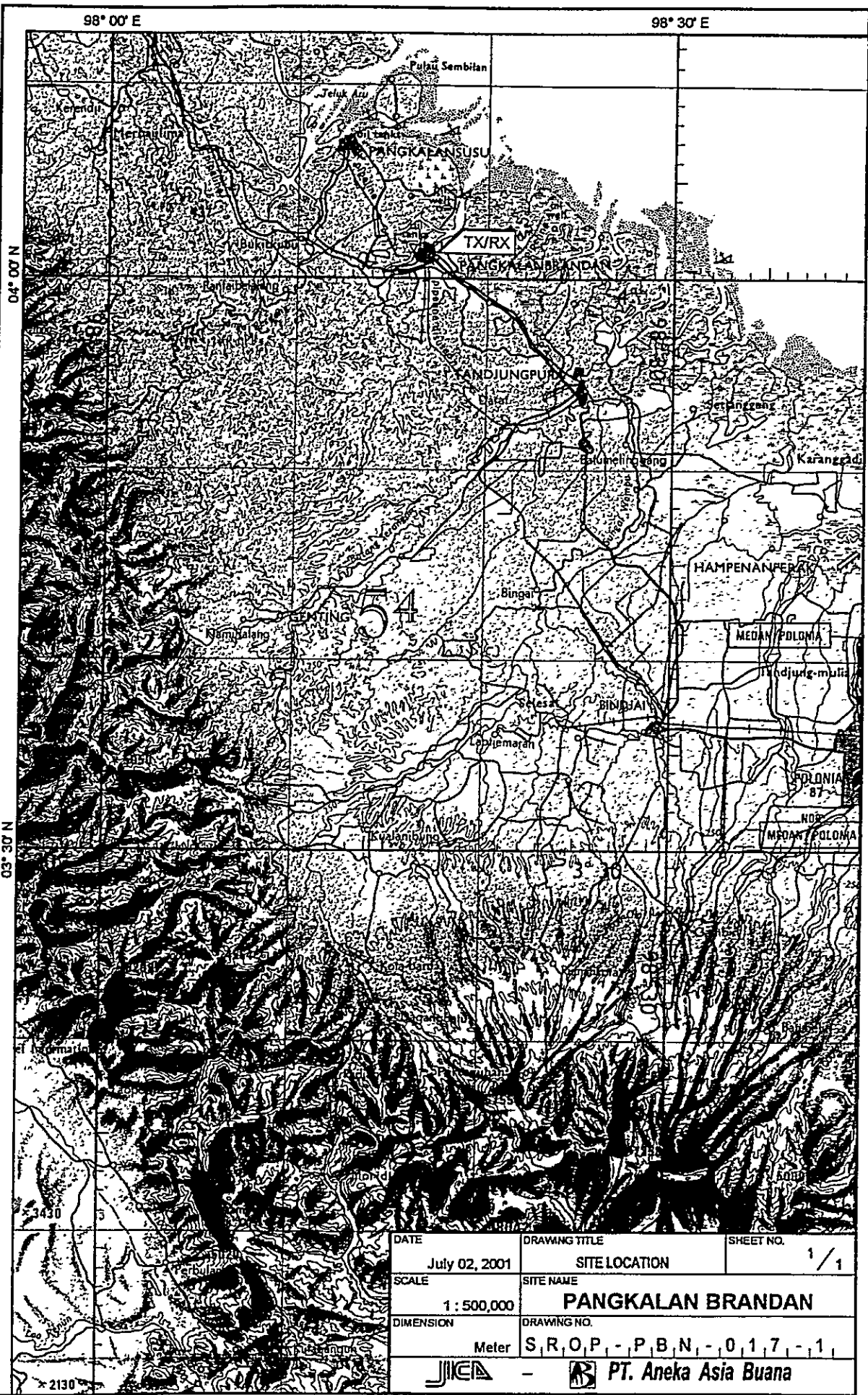
Site Name: Pangkalan Brandan

PBN-017-(1/1)

Call Sign : Mobile Service  
Fix Service

FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK		
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
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**Data not Available due to no  
Response from Coast Station**



DRAWN BY AAB  
 APPROVED BY JICA  
 16/07/2001

DATE	DRAWING TITLE	SHEET NO.
July 02, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	<b>PANGKALAN BRANDAN</b>	
DIMENSION	DRAWING NO.	
Meter	S.R.O.P. - P.B.N. - 017 - 1	
	<b>PT. Aneka Asia Buana</b>	

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

## **4th-B Class Coast Station Leidong (Coast Station No. 18)**

### **Table of Content**

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

#### TRX Drawings:

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

#### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	SITE	LEIDONG		
	CLASS	4th-B	NO.	18

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Bandar No. 79, Leidong	71071		99° 58' 36" E	02° 45' 30" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time: 2.00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Location [Taking time: 4.00 hr.]	<input checked="" type="checkbox"/> Paved	<input checked="" 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 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 checked="" type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy		<input checked="" type="checkbox"/> Tide	<input checked="" type="checkbox"/>	<input type="checkbox"/> Lightning system
Altitude	3.00 M		Telephone Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/> Feeder Cable Way
Land area			<input checked="" type="checkbox"/> 1 Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/> City water
3.2 Building Conditions			3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions	
Num. of story	One	Voltage	220 V	Good	Bad
Structure	Concrete	Phase	1	<input type="checkbox"/>	<input 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	Asbestos	kVA	0.9	<input type="checkbox"/>	<input type="checkbox"/> Operations of AVR
Type of wall	Brick	Quality of PLN source		Capacity of fuel for engine	
Wall finish	Painting	Fluctuations	220 V ± 10 %	Day tank	Liter
Flooring	Tile	Availability of power per day	24 Hours	Main tank	k Liter
Room Area (m <sup>2</sup> )		Power interruption /month		E/G Stand-by System	
Operation room	6.00	Total interpt. hours /month	Hours	<input type="checkbox"/>	<input type="checkbox"/> Single System
E / G room		Max. interpt. hours at once	Hours	<input type="checkbox"/>	<input type="checkbox"/> Dual System
Remark					

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

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>LEIDONG</b>		
	<b>CLASS</b>	<b>4th-B</b>	<b>NO.</b>	<b>18</b>

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

<b>7. COMMENTS</b>	
<b>Suggestion</b>	Tanjung Leidong Coast Station utilize Port administration office. Radio communication equipment is the asset to Port administration, and it have been damaged, therefore safety navigational communication doest not function well.
<b>Remarks</b>	

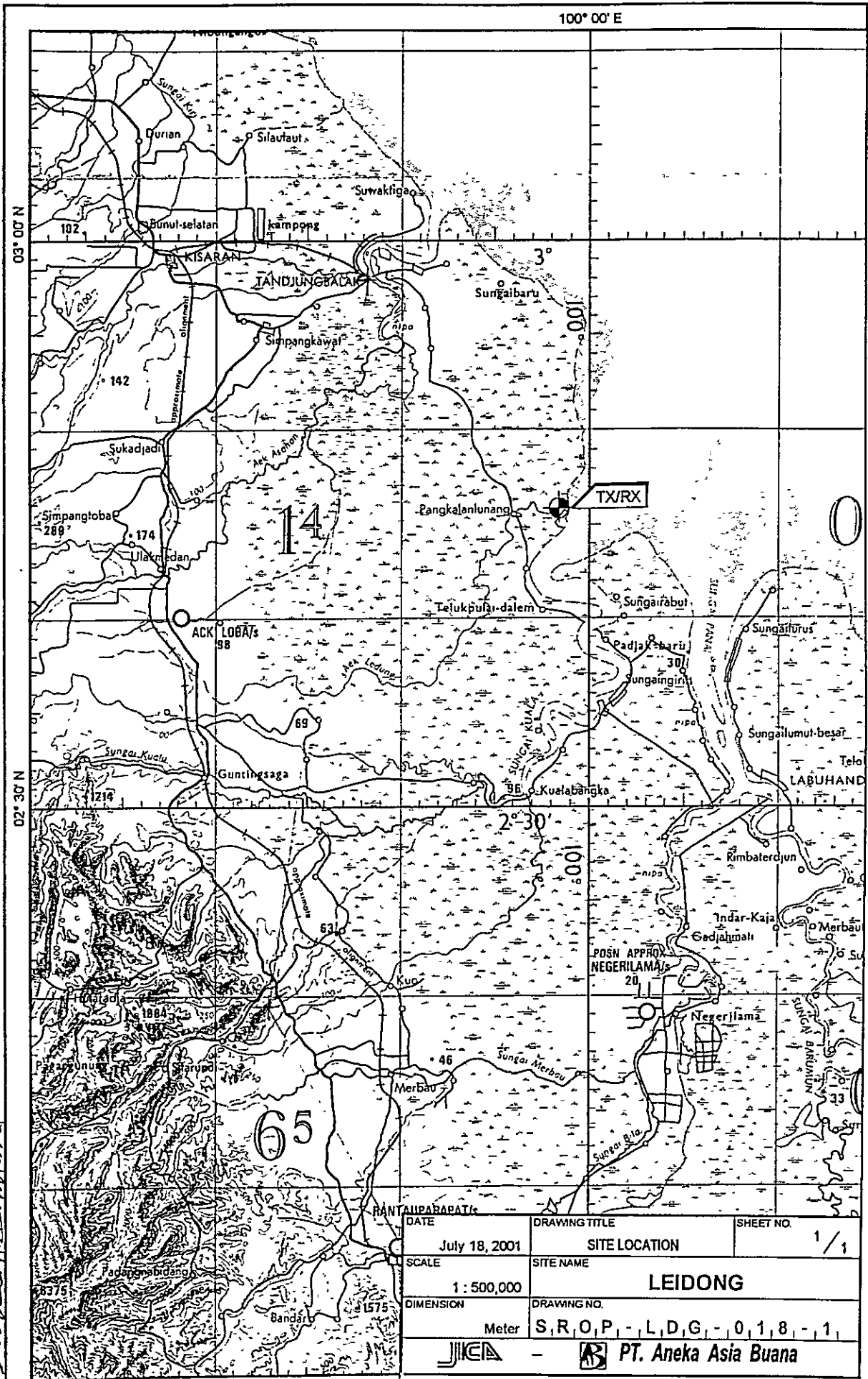
# INVENTORY

Site Name: Leidong

LDG-018- (1/1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		ME/HF System							
1		SSB Transceiver 100W	M-700	4560	ICOM	1987	Local Budget		Damaged
1-2		VHF System							
1		VHF Transceiver 25W			Yaesu		Local Budget		Damaged
2		<b>Tower &amp; Antenna System</b>							
2-1		Tower & Mast							
1		15mH Antenna Pole			Local	1987	Local Budget		Good
2-2		Antenna System							
1		HF Long Wire Antenna			Local	1987	Local Budget		Good
2		VHF Whip Antenna			Local		Local Budget		Good
3		<b>Power Supply Equipment</b>							
3-1		UPS & AVR System							
1		Adaptor 220V AC 13.8V DC 30A			VIDEO	1988	Local Budget		Good





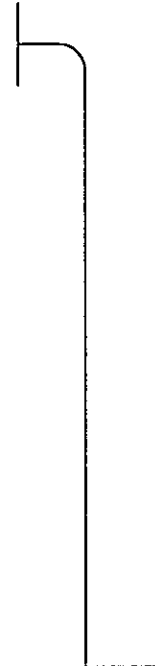
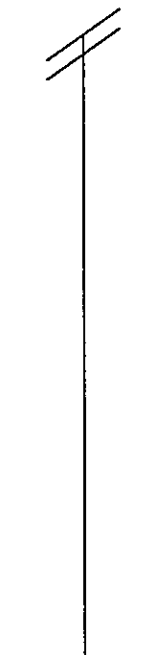
APPROVED BY JICA  
 DRAWN BY AAB

DATE	DRAWING TITLE	SHEET NO.
July 18, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 500,000	<b>LEIDONG</b>	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - L, D, G, - 0, 1, 8, - 1	



LONG WIRE ANT

DIPOLE ANT





HF  
SSB  
TRX

VHF  
TRX

DRAWN BY AAB  
 APPROVED BY AICA  
  


**LEGEND**

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

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>LEIDONG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, L, D, G, -, 0, 1, 8, -, 5, 1	
 -  PT. Aneka Asia Buana		

PLN LINE  
0.9KVA  
AC 220V, 2W, 1Ø



POWER  
SUPPLY  
30A

TO RADIO  
EQUIPMENT

APPROVED BY: JPA  
 DRAWN BY: AAB

**LEGEND**

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

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	POWER BLOCK DIAGRAM	1 / 1
SCALE	SITE NAME	
No Scale	LEIDONG	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, - L, D, G, - 0, 1, 8, - 6,	
		 PT. Aneka Asia Buana

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

## **4th-B Class Coast Station Sei Berombang (Coast Station No. 19)**

### **Table of Content**

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

#### TRX Drawings:

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

#### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>SEI BEROMBANG</b>		
	<b>CLASS</b>	<b>4thB</b>	<b>NO.</b>	<b>19</b>

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX	Jl. Syahbandar No. 6			100° 07' 28" E	02° 37' 00" N

2. GENERAL CONDITIONS					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Medan [Taking time: 2:00 hr.]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Ship	to Mdn [Taking time: 48:00 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 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	3 00 M		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area			<input type="checkbox"/> Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water

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

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

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>SEI BEROMBANG</b>		
	<b>CLASS</b>	<b>4thB</b>	<b>NO.</b>	<b>19</b>

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

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

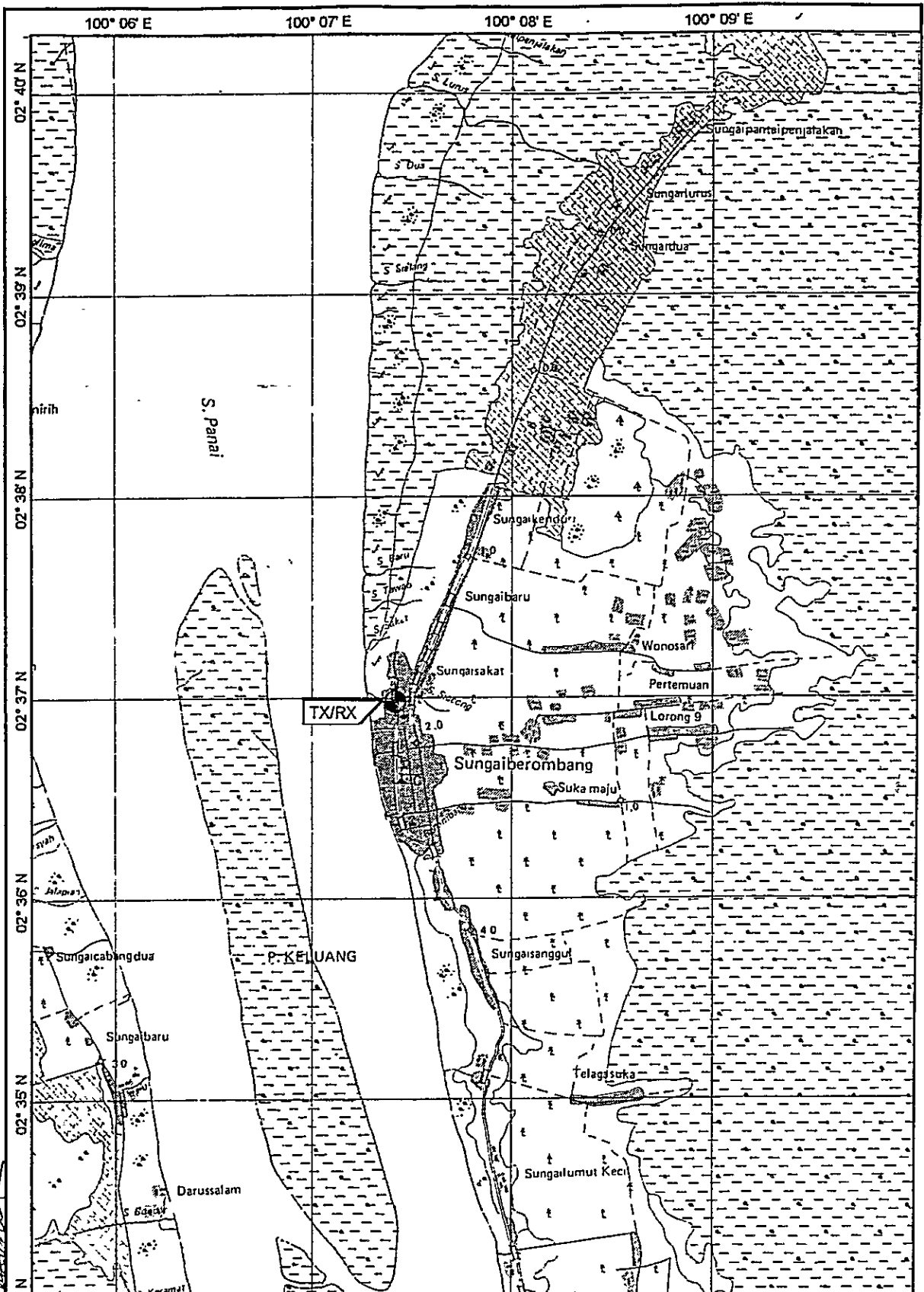
# INVENTORY

Site Name: Sei Berombang

SBB-019- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		Radio Equipment							
1-1		MF/HF System							
1		SSB Transceiver 100W	ICM-700	4601	ICOM	1991	Local Budget		Good
2		Tower & Antenna System							
2-1		Tower & Mast							
1		Antenna Pole			Local	1991	Local Budget		Good
2-2		Antenna System							
1		HF Whip Antenna			Local	1987	Local Budget		Good
3		Power Supply Equipment							
3-1		UPS & AVR System							
1		Adaptor 220V AC 13.8V DC 30A	RTVC			1991	Local Budget		Good



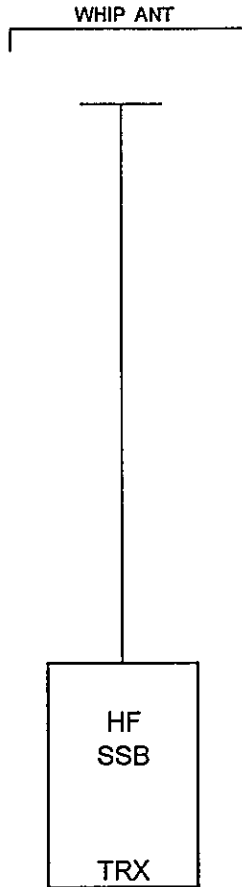


DRAWN BY: [Signature]

APPROVED BY: JICA

DATE	DRAWING TITLE	SHEET NO.
July 02, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 50,000	<b>SEI BEROMBANG</b>	
DIMENSION	DRAWING NO.	
Meter	S, R, O, P, - S, B, B, - 0, 1, 9, - 1	
- <b>PT. Aneka Asia Buana</b>		







APPROVED BY JICA  
  
 DRAWN BY AAB  


**LEGEND**

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

DATE July 30, 2001	DRAWING TITLE SYSTEM BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>SEI BEROMBANG</b>	
DIMENSION Milimeter	DRAWING NO. S, R, O, P, -, S, B, B, -, 0, 1, 9, -, 5,	
 -  PT. Aneka Asia Buana		

PLN LINE  
AC 220V, 2W, 1Ø





TO HF  
SSB  
TRX

DRAWN BY AAS  
 APPROVED BY AICA

**LEGEND**

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

DATE July 30, 2001	DRAWING TITLE POWER BLOCK DIAGRAM	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>SEI BEROMBANG</b>	
DIMENSION Miltmeter	DRAWING NO S, R, O, P, - S, B, B, - 0, 1, 9, - 6,	
		 <b>PT. Aneka Asia Buana</b>