4th-A Class Coast Station

Tarempa

(Coast Station No. 40)

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#### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CKINANA A NOX	7 OT CO A CT	L COTE A	TOTAN		-	SITE	TARI	EMPA		
SUMMAK	OF COAST	SIA	HOIL			CLASS	4tl	h-A	NO.	40
1. LOCATION										
Station	Address		Tel.	· · · ·	Fa	K	Longitue	de	La	titude
TX/RX Jl. Pelabuha	n, Tarempa					10	6° 11' :	52" E	03° 1	12' 56" N
2. GENERAL (	CONDITIONS	<del></del> `								
	from Jakarta	Site A	ccess from P	ort	Road 7	Fraffic	Accom	modati	on Po	pulation
By Air to Batam		r.] 🗆 Higi			Heavy		☐ Hote	:l		<del></del>
By Air to Matak		r.] 🗹 Pav			Medium		☑ Mote	el		
By Ship to Tarempa	Taking time: 1:00 h	r.] 🗆 Unp	aved road	₹.	Light					
					None					
	3. CONDITIO	NS OF	STATIO	ON			T :	Refer t	o attach	ed drawing
3.1 Site Condition							<del></del>			
Topography		of Soil		Pa	st disaste	er of site	Confir	mation	of existi	ng system
☐ Flat			nestone					Vo.	-	
□ Slope	_		avel		ood Tide	e	<b>1</b> (	□ Ant	enna	
☐ Hill-top			cky		ain Leak				vers (M	asts)
☐ Basin	□ Clay					ibsidence	<b>1</b>		unding .	
□ Valley	□ Sandy						Ø (		ntning s	
	3.00	M	<del></del>	To	elephon	e Lines	D   B		er Cabl	
Altitude Land area		m²	•			Lines		ZI City	water	
	g Conditions				3.3 P	ower S	ource			
	ructions		PLN So	urce		E/G		ing Po	wer Co	nditions
Num. of story	One	Voltage	220			220 V	Good Ba		•	
Structure	Concrete	Phase		1		1	Ø C	Pow	er Suppl	ly System
Type of roof	Asbestos	Wire		2		2			ations o	
Type of ceiling	Triplex	kVA		1.3		3		Oper	ations o	f AVR
Type of wall	Brick		Quality	of PLN	source		Capa	acity of	fuel fo	r engine
Wall finish	Mortar	Fluctuations V ± %					Day tan	k _		Liter
Flooring	Tile	<del>                        _  </del>				24 Hou	s Main ta	nk		k Liter
Room A	krea (m²)	Power interruption /month				Time	s E/	G Stan	d-by S	ystem
Operation room	6.00	Total int	erpt. hours	/month	1	Hour		Single S		
E/G room	12.00	Max. into	erpt, hours	at once	<u>;   </u>	Hour	s 🗆 )	Dual Sy	/stem	
Remark							•			
		·								
	<u> </u>				ı.					
	ERATION AND I			<u>E</u>		<u> 5. PER</u> :	SONNE		- 1	TIONS
	ilure					TX	/RX			
Restoration flow	Repaired in District HF Transceiver and			ng		Chief Operator (skilled)			1	
Examples of major failure Sufficiency of spares	A1-120,	damaged			Operator (skilled) 1 (				0	
	10	·	C		Technician (skilled) ()				_0_	
Record	Environmental Conditions Good Bad				Administrator					
☐ Storm	eavy rainfall			al noic	· 00 T	Total			2	<del></del>
☐ Lightning			☑ □ External noises ☑ □ Air pollution			Total				
Other calamity		C All po	muuon	<del> </del> -			<del> </del>			
	Institutional and Hu	man Stat	uses	····			Traini	ing Re	rord	
1 Budget	☐ Sufficien			Insuff	icient	Course	Class			od Trainee
2 Spares	□ Enough		sonable 🗹			-				
3 Measuring eqpt./			sonable 🗹					1	1	
4 Number of Opera			sonable 🗹							
5 Number of Tech			sonable 🗹							
6 Capability of Op-			so bad 🗆							
7 Capability of Tec	hnician 🗆 Skilled	□ Not	so bad 🗹	Not ca	apable					

STIME	r a do v	OF C	O A CT	י ביתר איר	TTAN	·		SITE	TAR	EMPA		
O IVIIV.		Or C	UASI	SIA	LION			CLASS	41	h-A	NO.	40
		6. STA	TISTIC	CAL CO	MMUI	VICA?	TON T	RAFF	C DA	Γ <b>A</b>		
	Ma	ritime Sa	fety			Pu	blic Tel	ecomn	unicat	ion Ser	vice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Telep	hone	TG Call
					.l i	Call	Minute			Call	Minute	
1996		2			1991	188			1996	199		
1997		4			1992	176			1997	188		
1998		3			1993	181			1998	197		
1999		4			1994	175			1999	211		
2000		4			1995	203			2000	209		
			*********	7.	COM	MEN'	ΓS					
luggestion												
Remarks				•				•				

TRP-040- (1 / 1)

No         Registered No.         Description         Type         Serial No         Manufacturer         Date         Reduce         Record         Condition           1-1         Radio Equipment         1.0         Radio Equipment         1.0         Reduce         Record         Condition           1-1         HFTMENSCHART         1.0										
Radio Equipment   ICAM700   ICOM   1996   ICOM   1996   ICAM700   ICOM   ICAM700   ICAM7000	N <sub>o</sub>	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	eou	Condition
HF Transceiver   IC-M700   ICOM   1996	<u></u>		Radio Equipment MF/HF System							
HF Transceiver   JSB-50TR   022-30   INTI   1986	-		HF Transceiver	IC-M700		ICOM	1996			Good
HF Transceiver   FS-1000   5590-2527   Furuno   1988	2		HF Transceiver	JSB-50TR	022-30	ILINI	1986			Damaged
VHF System	m		HF Transceiver	FS-1000	5590-2527	Furuno	1988			Good
ViHF Transceiver   SE-305   3-3871   Phillips   1975     Tower & Antenna System   IC-M-58   ICOM   1996     Tower & Antenna System   Iron Pipe   Iro	1-2		VHF System							
2         TOWer & Antenna System         IC-M-58         ICOM         1996           1         Tower & Mast         Iron Pipe         1996           1         Autenna Tower         Iron Pipe         1996           2         Autenna Tower         Iron Pipe         1996           3         Autenna Tower         Airtenna Tower         1996           1         Dipole Antenna Tuner         Airtenna Matching Unit         Airtenna Matching Unit           1         Autenna Matching Unit         Airtenna Tuner         Airtenna Tuner           1         Autenna Matching Unit         Airtenna Matching Unit         Airtenna Matching Unit           1         Autenna Matching Unit         Airtenna Matching Unit         Airtenna Matching Unit           1         DC Power Supply         PS-80         VDD         1996           2         Power Supply         PS-80         WIDIO         1996           4         Accumulator 12V/200AH         PS-9940         WIDIO         1996           5         Accumulator 12V/200AH         BCZ415N         Larcer         1996           6         Automatic Voltage Regulator         BCZ415N         Avrcom         1996           6         Engine Generator         TS-60	_		VHF Transceiver	SE-305	3-3871	Phillips	1975			
Tower & Antenna System   Tower & Antenna System   Iron Pipe   Ir	7		VHF Transceiver	IC-M-58		ICOM	9661			Good
Tower & Mast	7		Tower & Antenna System							
Antenna Tower	2-1		Tower & Mast							
Dipole Autema System   1995   1995   1996   Autema Matching Unit   Autema Tuner   AT-130   1996   Autema Matching Unit   Autema Funer   AT-130   1006   Autema Matching Unit   Autema Tuner   AT-130   1006			Antenna Tower	Iron Pipe		_	9661			
Dipole Antenna (VHF)	2-2		Antenna System							
2         Whip Antenna (VHF)         1996           4         Autenna Matching Unit         AT-130         ICOM         1996           1         Power Supply Equipment         PS-80         VDO         1996           2         Power Supply         PS-9940         WIDIO         1996           3         Power Supply         PS-9940         WIDIO         1996           4         Accumulator 12V/200AH         RE-2000         Century         1996           5         Accumulator 12V/200AH         BC2415N         AVR-008         1996           6         Automatic Voltage Regulator         809L         AVR-008         1996           6         Automatic Generator         TS-60         14852         Yarmar         1973           1         AVO Meter         Ex-506         Samva         1995           2         Others         LA-2080M         20601         Daiva         1996           3         Panel Box         Local Set         1996         1996	_		Dipole Antenna				1995			
Automa Matching Unit	7		Whip Antenna (VHF)				9661			
Automatic Antenna Tuner	2-3		Antenna Matching Unit							
Power Supply Equipment   PS-80	_		Automatic Antenna Tuner	AT-130		ICOM	9661			Good
1         UPS & AVR         PS-80         VDO         1996           2         Power Supply         PS-940         WIDIO         1996           3         Power Supply         RE-2000         WIDIO         1996           4         Accumulator 12V/200AH         RE-2000         Century         1996           5         Accumulator 12V/200AH         BC2415N         Lancer         1996           6         Automate Charger         809L         AVR-008         1996           1         Engine Generator         TS-60         14852         Yanmar         1973           1         AVO Meter         EX-506         Sanwa         1995           2         Others         LA-2080M         20601         Daiwa         1996           2         Panel Box         Lool Set         Diamond         1995         Panel Box	က		Power Supply Equipment							
DC Power Supply	3-1		UPS & AVR				<u> </u>	·		
2         Power Supply         PS-9940         WIDIO         1996           3         Power Supply         RE-2000         WIDIO         1996           4         Accumulator 12V/200AH         RE-2000         WIDIO         1996           5         Accumulator 12V/200AH         BC2415N         Lancer         1996           6         Accumulator 12V/200AH         BC2415N         Lancer         1996           6         Automatic Voltage Regulator         809L         AVR-008         1996           1         Engine Generator         TS-60         14852         Yanmar         1973           Measuring Equipment         EX-506         Sanwa         1995           1         AVO Meter         EX-506         Sanwa         1995           Annel Box         Panel Box         LA-2080M         20601         Daiwa         1996           2         Panel Box         Tool Set         Diamond         1995         AVR	-		DC Power Supply	PS-80		VDO	9661			Damaged
3         Power Supply         RE-2000         WIDIO         1996           4         Accumulator 12V/200AH         BC2415N         Century         1996           5         Accu Charger         BC2415N         Lancer         1996           6         Automatic Voltage Regulator         809L         AVR-008         1996           1         Engine Generator         TS-60         14852         Yanmar         1973           1         AVO Meter         EX-506         Sanwa         1995           0 Others         LA-2080M         20601         Daiwa         1996           Panel Box         Tool Set         LA-2080M         20601         Daimond         1995	7		Power Supply	PS-9940		WIDIO	9661			Good
4         Accumulator 12V/200AH         BC2415N         Century         1996           5         Automatic Voltage Regulator         809L         AVR-008         1996           6         Automatic Voltage Regulator         809L         AVR-008         1996           1         Engine Generator         TS-60         14852         Yanmar         1973           1         AVO Meter         EX-506         Sanwa         1995           1         Others         LA-2080M         20601         Daiwa         1996           2         Panel Box         LA-2080M         20601         Daiwa         1996           3         Tool Set         Diamond         1995         Panel	m		Power Supply	RE-2000		WIDIO	9661			Good
5         Accu Charger         BC2415N         Lancer         1996           6         Automatic Voltage Regulator         809L         AVR-008         1996           1         Engine Generator         TS-60         14852         Yanmar         1973           Measuring Equipment         EX-506         Sanwa         1995           1         AVO Meter         EX-506         Sanwa         1995           1         MF/VHF Booster         LA-2080M         20601         Daiwa         1996           2         Panel Box         Tool Set         Diamond         1995	4		Accumulator 12V/200AH			Century	9661			Good
6         Automatic Voltage Regulator         809L         AVR-008         1996           1         Engine Generator         TS-60         14852         Yanmar         1973           1         Avo Meter         EX-506         Sanwa         1995           1         Avo Meter         LA-2080M         20601         Daiwa         1996           2         Panel Box         Tool Set         Diamond         1995	2		Accu Charger	BC2415N		Lancer	9661			Damaged
Engine Generator			Automatic Voltage Regulator	300L		AVR-008	1996			Good
Engine Generator   TS-60   14852   Yanmar   1973     Measuring Equipment   EX-506   EX-506   EX-506   Daiwa   1995     Me/VHF Booster   LA-2080M   20601   Daiwa   1996     Tool Set   Daimond   1995   Daimond   Daimond   1995   Daimond   Daimond   1995   Daimo	3-2	_	Engine Generator	;						
Measuring Equipment	_		Engine Generator	TS-60	14852	Yanmar	1973			
1         AVO Meter         EX-506         Sanwa         1995           Others         Others         LA-2080M         20601         Daiwa         1996           2         Panel Box         1996         1996           3         Tool Set         Diamond         1995	4		Measuring Equipment				. •			
Others         LA-2080M         20601         Daiwa         1996           2         Panel Box         1996           3         Tool Set         Diamond         1995	-		AVO Meter	EX-506		Sanwa	1995	_		Good
MF/VHF Booster         LA-2080M         20601         Daiwa         1996           Panel Box         Tool Set         Diamond         1995	5		Others							
Panel Box 1996 Tool Set Diamond 1995	<u>-</u>		MF/VHF Booster	LA-2080M	20601	Daiwa	1996			Good
Tool Set Diamond 1995	7		Panel Box	••			1996			Good
	n		Tool Set			Diamond	1995			Good

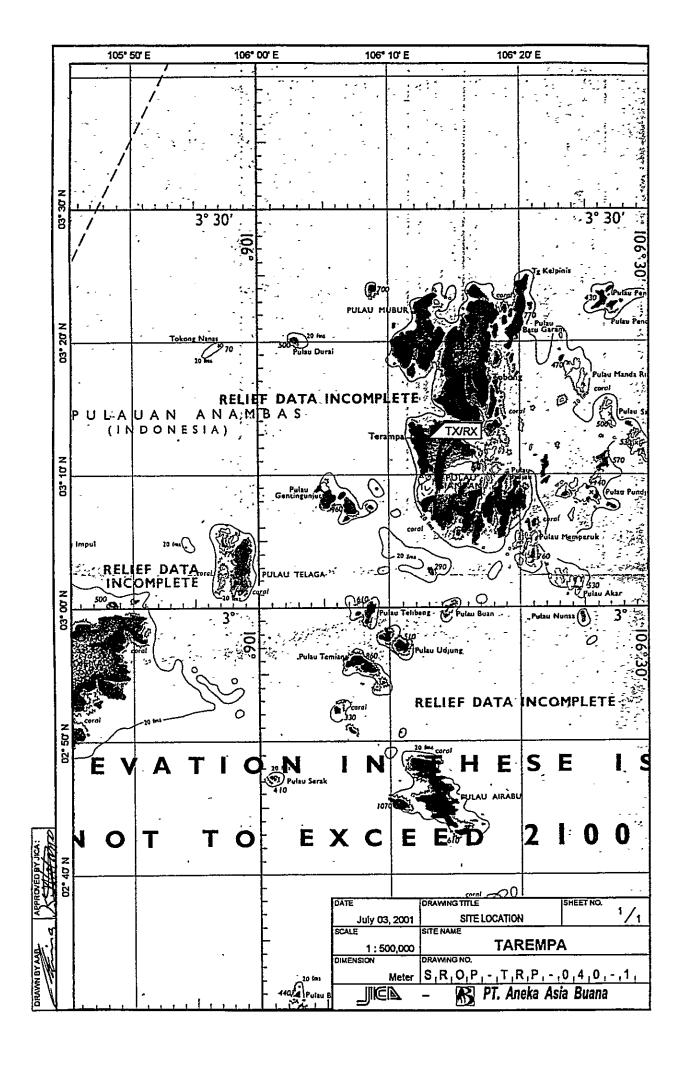
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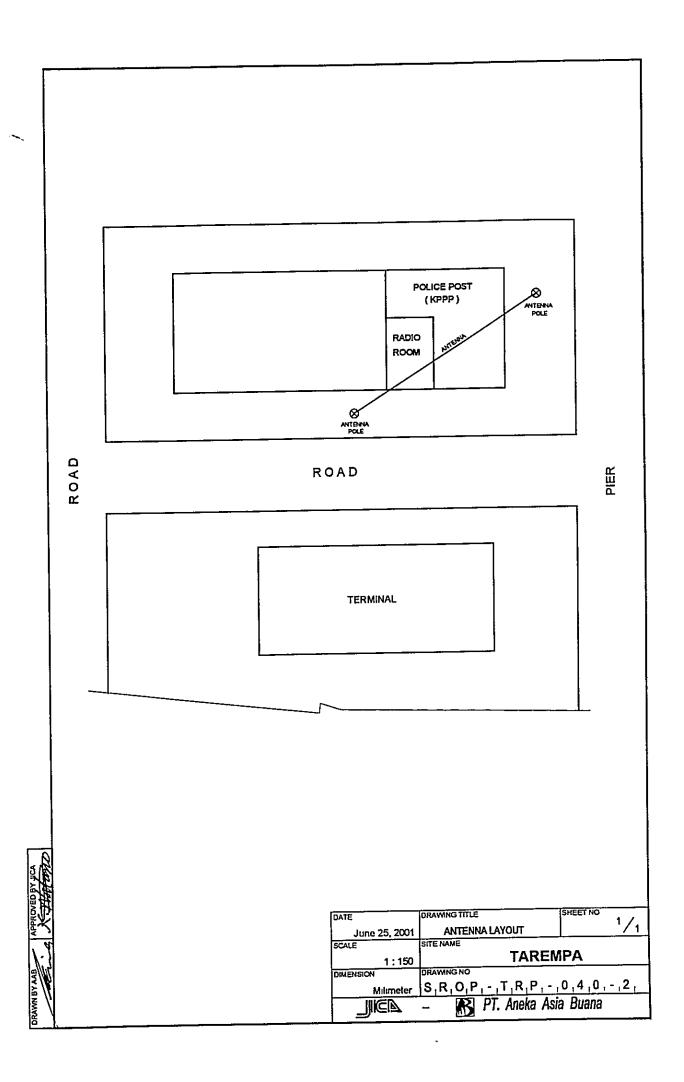
## TRP-040-(1/1)

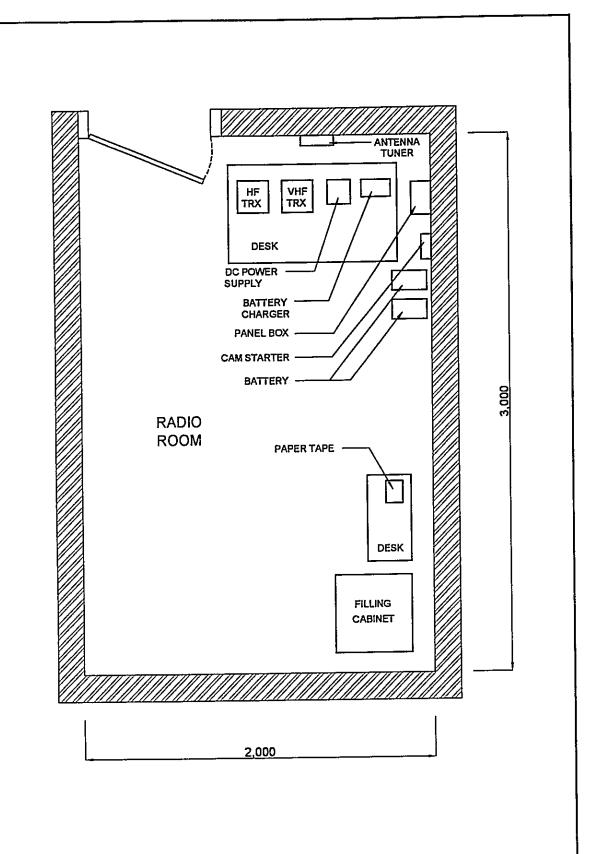
# OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKJ.29 Fix Service:

Site Name: Tarempa

VONDI LOBOR	FIX Service	- 11	
(kHz)	EMISSION	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	UTC
,		,,	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	gı		
1 2.182,0	- 1	150	
2 6215,0	J3E	150	
VHF Service			
Channel-16	G3E	30	
ž	1		
4 5316,0	J3E	150	
	J3E	150	
6 926,0	J3E	150	
7 9110,0	JSE	150	
8			
6			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
- 1			
22	****	†	
[23]			

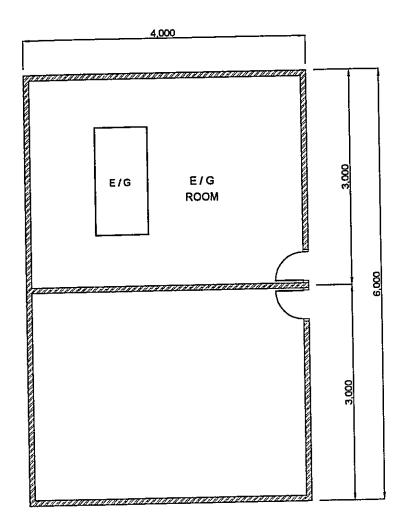






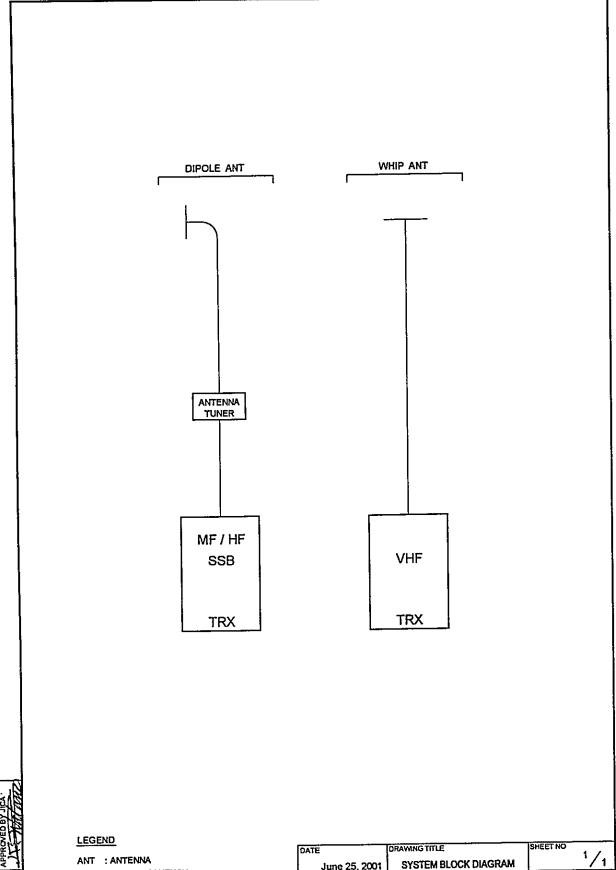
HF : HIGH FREQUENCY
TRX : TRANSCEIVER (ING)
VHF : VERY HIGH FREQUENCY

DATE June 25, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO	1/1
SCALE 1:20	SITE NAME TAREN	IPA	
DIMENSION Millimeter	DRAWING NO.	0,4,0,	- ,3 ,
	– R PT. Aneka Asi		



E/G : ENGINE GENERATOR

57.11.2	DIOGRAMO III CE	SHEET NO.
June 25, 2001	E/G FLOOR LAYOUT	<u> </u>
SCALE 1:50	TAREN	IPA
DIMENSION Millimeter	SIR,OP,-IT,RPL-	
	- B PT. Aneka Asi	a Buana



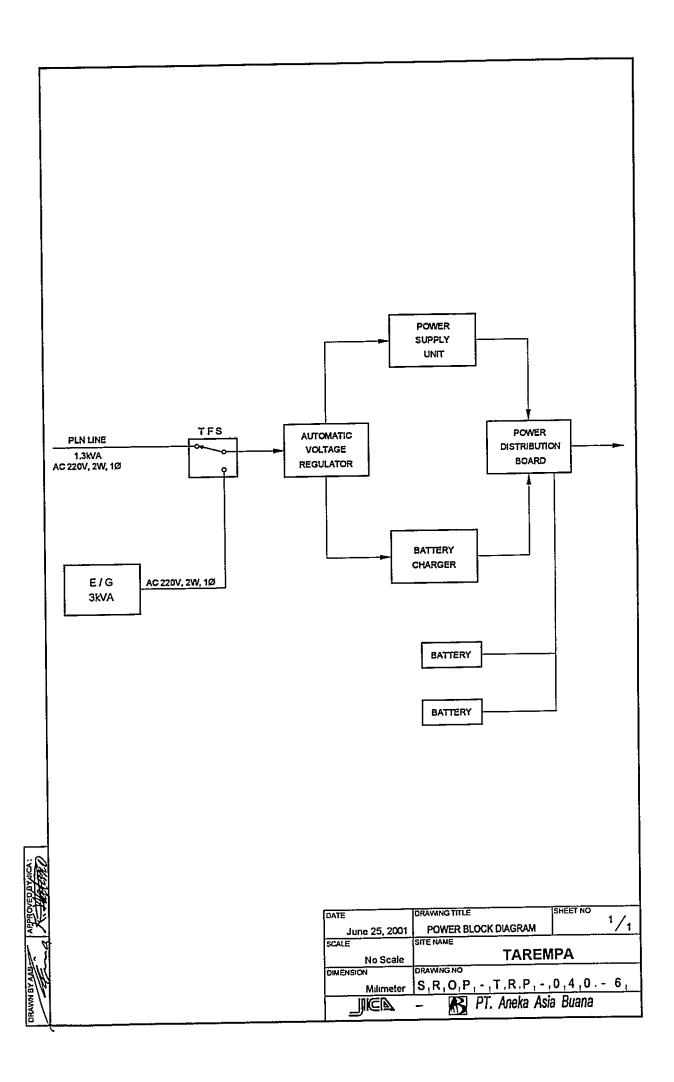
HF : HIGH FREQUENCY

MF : MEDIUM FREQUENCY

TRX : TRANSCEIVER (ING)

VHF : VERY HIGH FREQUENCY

DATE	DRAWING TITLE	SHEET NO 1 /
June 25, 2001	SYSTEM BLOCK DIAGRAM	1 71
SCALE	SITE NAME	
No Scale	TARE	<u>//PA</u>
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,T,R,P,-	
	– 🚯 PT. Aneka As	ia Buana



4th-A Class Coast Station Tg. Balai Karimun (Coast Station No. 41)

#### **Table of Content**

- ☑ Summary of Coast Station
- ☑ Inventory
- ☐ Status of Trouble
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- TRX Drawings:
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- ☑ Antenna Layout☑ Equipment Floor Layout
- ☑ E/G Floor Layout
- ☑ System Block Diagram
- ☑ Power Block Diagram

#### Note:

- ✓ Available in this list
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- \* Combined in one drawing

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																	_	
STIM	MARY	V OF C	COAST	T2 '	٦ <u>۸</u> ٬	TIC	N				SITE	_			AI K		MU	
											CLAS	SS	1 4	th-A	. [N	O.	<u> </u>	41
1. LO	CATION																	
Station	<u> </u>	Addre	35			T	el.		]	Fax		L	ongit				<u>titu</u>	
TX/RX	II. Yos Sud	arso No. 1							<u> </u>		1	103°	26′	14"	E 0	O° :	59′	17" N
			,															
2. GEN	VERAT.	CONDIT	TONS															
2. 02.		from Jaka		Site	e Ac	cess fr	om P	ort	Roa	dТ	raffic		Acco	mmo	dation	Po	11111	lation
By Air	to Batam	[Taking		r.] 🗆 I					Heavy	_		_	Ю Но			1-	<i>.</i> pu	
By Ship	to TBK	[Taking		r.] 🗹 I					Medi			-				1		
Dy Sinp	to IBK	[144416	<u> </u>			aved r	oad	_	Light	2111		-				╁		-
		···-			Onpe	uvcu i	oau		None			$\dashv$				+-		
				<u> </u>	=				IVOIIC					D - 6	`~	444.4		1
			<u>NDITIO</u>	NS C	<u>Jł</u>	SIA	TIC	N	•					Kei	et to a	ittacn	.ea	drawing
3.1 Site	Conditi	ions																
Topo	graphy		Nature	e of So	oil			Pi	ıst disa	aster	of site		Conf	irmat	tion of	existi	ng :	system
☑ Flat		Dry	/ soil		Lim	eston	9	□F	lood				Yes	No				
□ Slope	3	☐ Ord	linary		Gra	vel		□ F.	lood T	ide			Ø		Anten			
□ Hill-t	ор	☐ Sw	ampy		Roc	ky		□ R	ain Le	akag	ge			☑ .	Tower	s (M	asts	)
□ Basin	1	☐ Cla	y					□ G	round	Sub	siden	ce [	Ø		Groun	ding	syst	em
□ Valle	y	☑ San	ıdy									[	Ø		Lightn	ing s	yste	m
Altitude			1.00	M				T	eleph	one	Lines			Ø ŀ	eeder	Cabl	e V	/ay
Land an	ea			m²		-				I	ines			<b>1</b> (	City w	ater		
3.3	2 Buildir	ng Condit	tions						3.3	Po	wer	Sou	ırce					
		tructions		<u> </u>	П	PI.N	l Sou	ırce		E/	~			sting	Powe	r Co	ndi	tions
Num	of story	One	•	Volta	σe		220				220 V	-	Good 1					,———
Struc		Concrete		Phase				1			1		Ø	□P	ower	Supp	Īv S	ystem
	of roof	Asbestos		Wire	$\dashv$		-	2			2	$\rightarrow$			perati			
	of ceiling							3			<u></u>		~		perati			
	of wall	Brick		kVA	بابيي	Ons	lity (		V som	·ce		一			y of fu			
Wall		Mortar		Quality of PLN sourc							_	Day ta		T		_	Liter	
Floor		Tile		Availability of power per day						4 Ho	_	Main 1		+		_	c Liter	
FIGUI		Area (m²)								Tin	$\rightarrow$			tand-	hy S	_		
0		Area (m-)	6.00	Power interruption /month						Ho	-			le Sys		ystt	<del></del>	
Operation				Total interpt. hours /month						4 Ho	-		_	I Syst			<del></del> -	
E/Gro		Oss Barres	6,00	Max. interpt. hours at once						4 110	urs		Dua	ı əysu	CIII			
Remark	•	One Power	Supply dar	nage														
		1	· · · · · · · · · · · · · · · · · · ·															
										T								
			N AND I				NCI	ડ		5.	. PE	KSC	NN				110	<u>ONS</u>
					ment failure				Clic				TX/R					
Restoration flow Repaired in District						n offi	ce Tg	. Pina	ng	Chief					I			
Examples of major failure HF Transceiver da										Operator (skilled)			_		<u>ŏ</u>		0	
Sufficiency						Technician (skilled) ()			0		0_							
	Environmental Conditions					Ad	minist	rato	ור			-						
Records of damages  Heavy rainfall				Good Bad				<u> </u>										
☐ Storm								al nois		To	tal					1	_	
☑ Lightning Eqpt. damage				<u> </u>	7		ir pol	lution		<u> </u>						_		
Other	calamity																	
			ial and Hu			~~~						-,-			Recor			
1 Budge	et		☐ Sufficien	_						-	ourse	丄	Class	Lo	cation	Peri	<u>d </u>	Trainee
2 Spare			□ Enough						nough	<del></del>						<u> </u>	_	
3 Measi	uring eqpt.	/tools	☐ Enough						nough							·	_	
	er of Oper		☐ Enough						nough								_	
	er of Tech		□ Enough						nough					_ _		<u> </u>	$\dashv$	
	oility of Op		□ Skilled						apable	_		1				!	$\downarrow$	
7 Capat	oility of Te	chnician	□ Skilled	[ ]	Not :	so bac		Not c	apable	<u> </u>				<u> </u>		1		

CTTR/TR/	A 10 37	OF C	O A CIT	י ג יווים י	rion:	r		SITE	TG.	BALAI	KARIMU	ĴΝ
SUMM	AKI	Or C	JASI	SIA.	HUN			CLASS	3 41	th-A	NO.	41
		6. STA	TISTIC	CAL CO	MMUI	NICA'	TION T	RAFF	IC DA	ΓA		
	Mai	ritime Sa	fety		-	Pu	blic Te	lecomr	nunicat	ion Sei	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	hone	TG Call
				1		Call	Minute			Call	Minute	
1996		4			1991	260			1996	287		
1997		6			1992	275			1997	299		
1998		3 1993 245 1998 345										
1999		5 1994 311 1999 320										
2000		6			1995	302			2000	331		
				7.	COM	MEN'	TS					
Suggestion	Tg. Bala	ring position i Karimun, G e Tg Balai k	MDSS Ar	ea A-1 will	be needed				of passang	ger ship be	etween Sing	зароге -
Remarks												

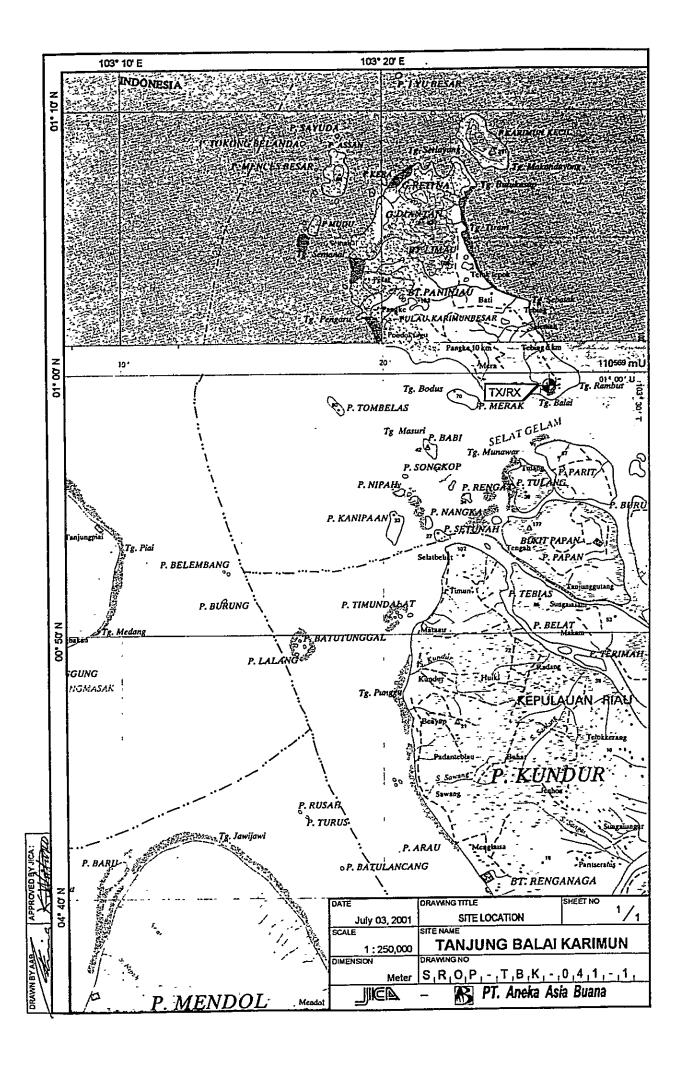
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10118

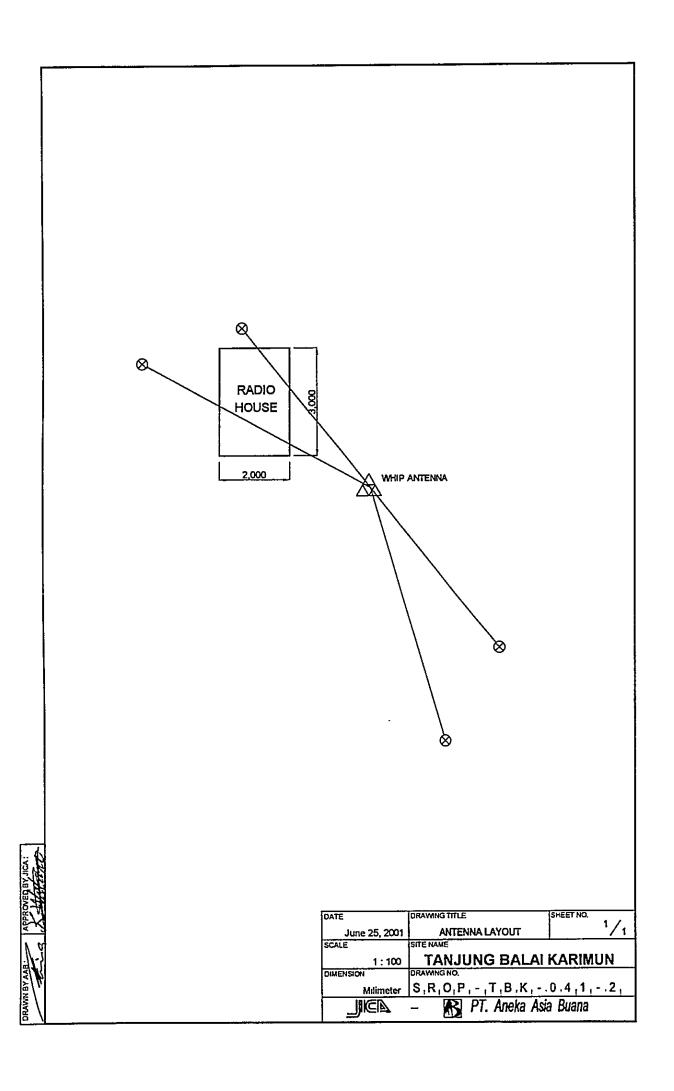
Tanjung Pinang

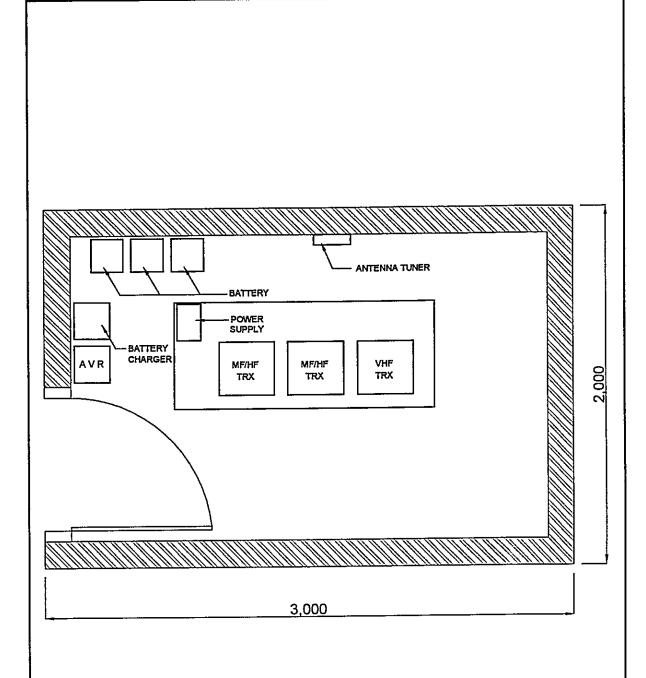
# Site Name: Tanjung Balai Karimun **OPERATION SCHEDULE**

## (FREQUENCIES) Call Sign: Mobile Service: PKJ.4 Fix Service:

L	FREQUENCY	ш	POWER	JH:	
	(kHz)	EMISSION	(w)	3 14 15 16 17 18 19 20 21 22 23 24	REMARK
	Mobile Service				
- 6	2 182,0 6 215,0	355	150		
	1		;		
<u> </u>	VHF Service		i		
က	Channel-16	389 	30		
	Fix Service				
4	4 055,0	J3E	150		<del></del>
Ŋ	5 316,0	J3E	150		•
ယ	6 926,0	д <u>а</u>	150		•
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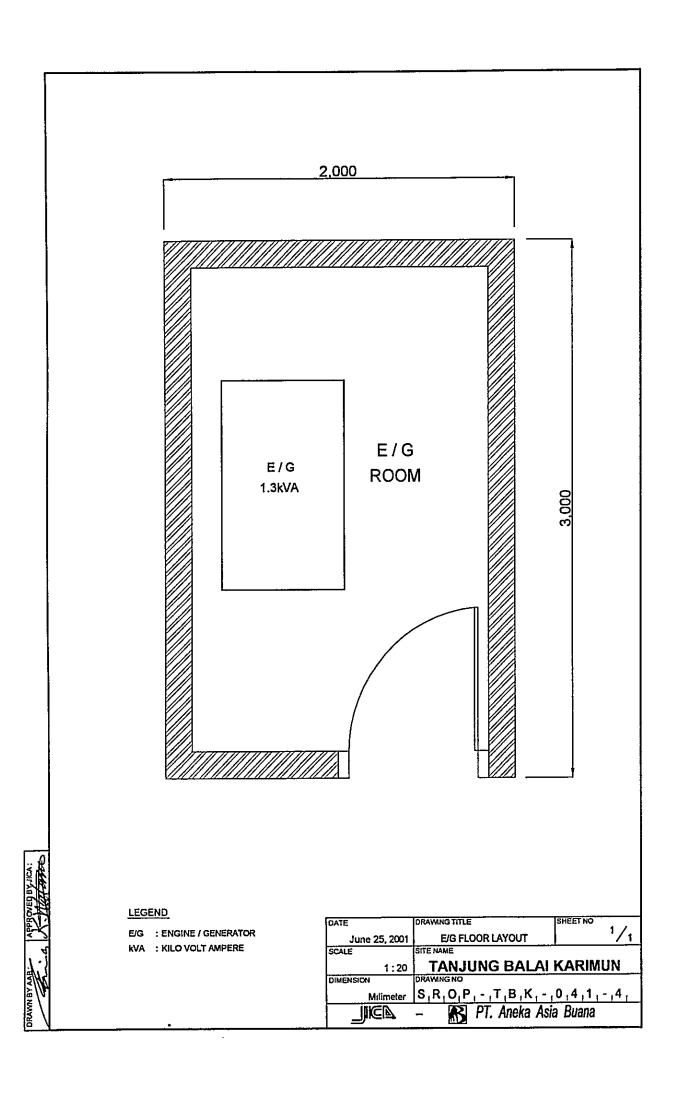


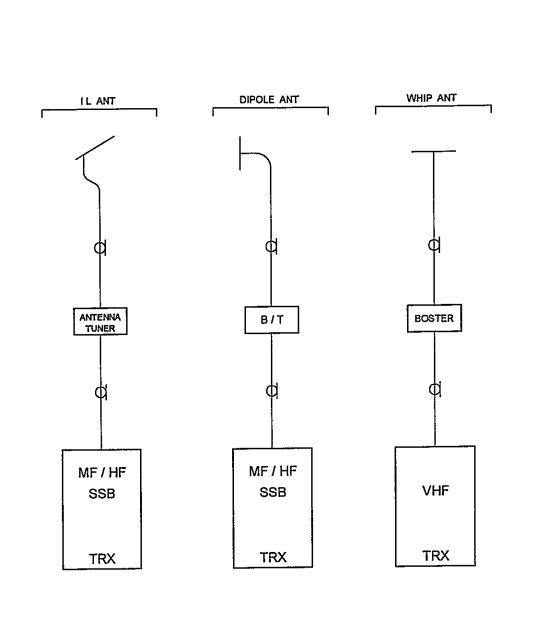
AVR AUTOMATIC VOLTAGE REGULATOR

HF . HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX - TRANSCEIVER (ING.)
VHF - VERY HIGH FREQUENCY

DATE	DRAWING TITLE SHEET NO
June 25, 2001	EQUIPMENT FLOOR LAYOUT /1
SCALE	SITE NAME
1:20	TANJUNG BALAI KARIMUN
DIMENSION	DRAWING NO.
Milimeter	S,R,O,P,-,T,B,K,-,0,4,1,-,3,
	- PT. Aneka Asia Buana

WAN BY AAB: APPROVED





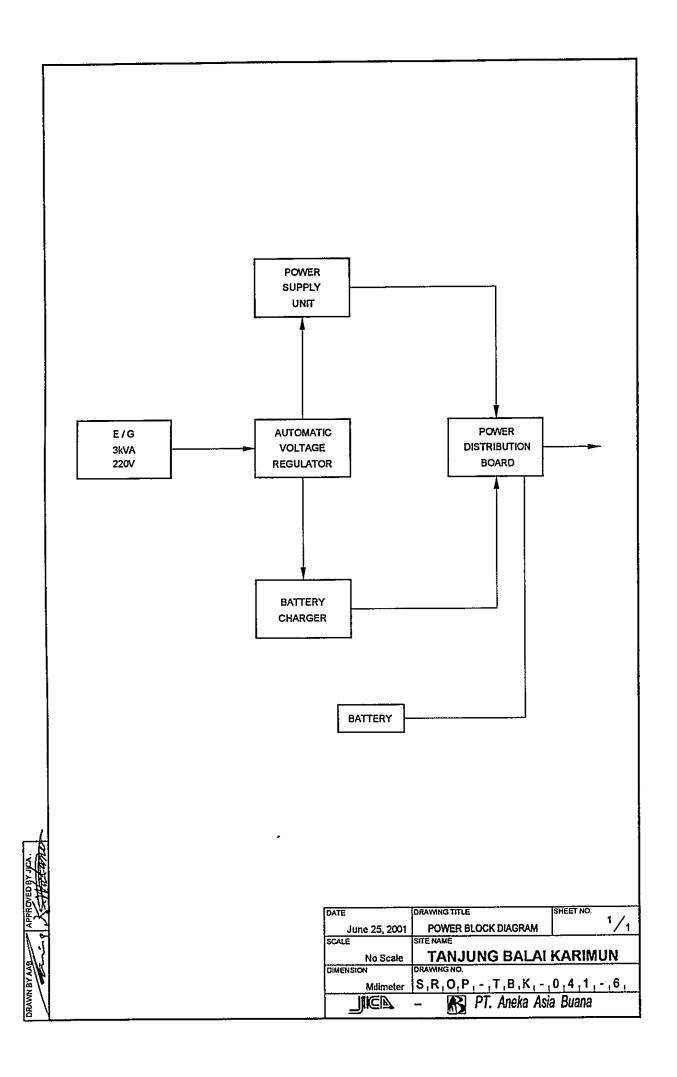
#### LEGENO

ANT : ANTENNA
BIT : BALUNS TRANS
HF HIGH FREQUENCY
IL : INVERTED L
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER (ING )
VHF : VERY HIGH FREQUENCY

DATE	DRAWING TITLE	SHEET NO
June 25, 2001	SYSTEM BLOCK DIAGRAM	'/1
SCALE	SITE NAME	-··-
No Scale	TANJUNG BALAI	KARIMUN
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,T,B,K,-	0,4,1,-,5,
	- PT. Aneka As	ia Buana

APPROVED BY JICA:

DRAWN BY AAB



4th-A Class Coast Station
Pulau Sambu
(Coast Station No. 42)

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- ☑ 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)

CHINANAADY	V OF COAST	י פידיא	TION			SIT		PUI	LAU SA	MBU	í	
SUMMAK	Y OF COAST	SIA	11014			CLA	SS	4	th-A	NO.		42
1. LOCATION	1											
Station	Address		Tel.		Fa	X.	L	ongit	ude		Latit	ude
TX/RX Ji. Pelabuha	an Pulau Sambu						103°	53'	58" E	01°	09'	08″ N
2. GENERAL	CONDITIONS											
	from Jakarta	Site A	ccess from P	ort	Road	Traffi	c	Acco	mmodat	tion	Popr	ulation
By Air to Batam		r.] 🗆 Hig	hway		leavy		$\overline{}$	□Но	tel			
By Ship to P. Samb	ou {Taking time: 1:00 l	r.] 🗹 Pav	red	□λ	/ledium	1		Ø Mo	otel			**************************************
		🗆 Մոյ	paved road	₫ I	ight							
					lone					L		
	3. CONDITIO	NS OF	STATIC	N					Refer	to atta	iched	drawin
3.1 Site Conditi	4,						1					
Topography		of Soil		Pas	t disast	er of si	te	Conf	firmation	n of ex	isting	system
☑ Flat	☑ Dry soil		nestone	□ Flo			1	Yes	No		<u></u>	
☐ Slope			avel		od Tid	e		Ø	□ An	tenna		
☐ Hill-top	□ Swampy		cky		in Leak		l		☑ To	wers (	Mast	:s)
□ Basin	□ Clay		•	□ Gro		_	nce	Ø		oundir		
☐ Valley	□ Sandy						- 1	Ø		htning		
Altitude		M		Tel	ephon	e Line	s		☑ Fee	der C	able V	Way
Land area		m²				Lines			☑ City	y wate	er .	
	g Conditions				3.3 P	ower	Sou	ırce				
· **** · · · · · · · · · · · · · · · ·	tructions		PLN Sou	rce		E/G			sting Pe	ower (	Cond	itions
Num. of story	One	Voltage	<del></del>	-			v	Good i				
Structure	Concrete	Phase	<u> </u>	1				$\square$	☐ Pow	er Su	pply S	System
Type of roof	Asbestos	Wire		2						ration		
Type of ceiling	Triplex	kVA	1	1.3				Ø	П Оре	ration	s of A	4VR
Type of wall	Brick		Quality o	f PLN	source	;		Ca	pacity o	f fuel	for e	ngine
Wall finish	Mortar	Fluctuat	ions		V±9	6		Day ta	ınk			Liter
Flooring	Tile	Availabi	lity of power	per da	у	24 H	ours	Main	tank			k Liter
Room	Area (m²)	Power in	nterruption /	month		Ti	mes	I	E/G Sta	nd-by	Syst	em
Operation room	30,00	Total int	erpt. hours /	month		Н	ours		Single	Syste	m	
E/G room		Max int	erpt. hours a	t once		3 H	ours		Dual S	ystem		
Remark	Battery Damaged											
4. OP	ERATION AND	MAINT	ENANCI	Ξ		5. PF	CRSC	NNC	EL F	DRM	ATI	IONS
	Actions taken in equi								TX	Z/RX		
Restoration flow	Repaired in District	Navigati	on Tg. Pinar	ng	(	Chief				1		
Examples of major failure	maged		Operator (skilled) 2 (1) Technician (skilled) ()						0			
Sufficiency of spares		<del></del>							0			
	ls of damages		ironmental	Condit	ions /	Admini	strato	Γ	ŧ		<u> </u>	
☐ Heavy rainfall		Good									<u> </u>	
□ Storm				al noise:	s 1	Cota	<u> </u>			3	↓	
☐ Lightning	<del> </del>	<u> </u>	☐ Air pol	lution					<del></del>		<del>_</del>	
	Damaged by lightening				[_						!	
	Institutional and Hu								ning Re		• .1	
I Budget	☐ Sufficien					Cours		Class		_		Trainee
2 Spares	© Enough		isonable 🗹					ORU			994	<u> </u>
3 Measuring eqpt.			sonable 🗹			рсгатог		III	Duma	11 I	988 1	1
4 Number of Oper 5 Number of Tech			sonable 🗹				· ·			·		
6 Capability of Op			isonable   ☑ t so bad ☐							<u>.</u>	:	
7 Capability of Te			so bad 🗹				<u>`</u>		<del></del>			
. Capability of 10	ATTICAL I - OVINCA			- voi va	-4010						!	

SUMN	IARY	OF C	OAST	STA	TION	ſ		SITE		AU SAN		
		<u> </u>		~ 111.				CLASS	41	h-A	NO.	42
		6. STA	TISTIC	CAL CO	MMUI	VICA'	TION T	RAFF	C DA	ΓA		
	Mar	ritime Sa:	fety			Pu	blic Te	lecomn	unicat	ion Ser	vice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Telep	hone	TG Call
		<u> </u>				Call	Minute			Call	Minute	
1996		4			1991	95			1996	120		
1997		4			1992	103			1997	98		
1998		2			1993	101			1998	115		
1999		5			1994	97			1999	121		
2000		4			1995	107			2000	105		
				7.	COM	MEN'	ГS			*		
Suggesțion												
Remarks												

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Ž	Registered No.	Description	Tvne	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
	0		2						
<del></del>		Radio Equipment							
I I		HF SSB Transceiver	IC-M700	50464	ICOM	1996			Good
7		HF SSB Transceiver	JSB-50	023-50	ILL	1980			Damaged
٣		HF SSB Transceiver	PYE-130	5947	England	9261			Damaged
4		HF SSB Transceiver	PYE-130	2925	England	1976			Damaged
1-2		VHF System							
_		VHF Transceiver	IC-M58	13457	ICOM	1996			Good
7		VHF Transceiver	CMT	65263	Phillips	1976			Damaged
1-3		Receiver			•				)
_		Receiver	FRG-7700	JK-220815	Yaesu	1983			Good
		Tower & Antonna System							
, 4 (		A Ower to American System	-						
-1-2		Antenna System							
- c		Open Dipote Antenna Whin Antenna (fer WHF)				1076			D000
4 6		Willy Amenina (101 Vill)				0/61			, G00d
~		Whip Antenna (for VHF)			MO2	1976			Good
→		Booster	LA-208011	20601	Daiwa	1996			Good
2-2		Antenna Switch							
		Atenne Selector							
_		Automatic Antenna Tuner	AT-130		ICOM	9661			Good
٠,		Power Sunnly Equipment							
<u>, , , , , , , , , , , , , , , , , , , </u>		1105 6 4 VD							
_ 		Power Supply	8008		OGA	1080			Good
ری -		Power Supply	RS-40XII	0710	Daiwa	9661			Good
ŗ	_		143170 00			7001			, -
n •		Accu Charger	DC-2413N		Lancer	0%			2000
<del>-</del>		Accu Charger	BC-2415N		Lancer	1996			Good
S		Automatic Voltage Regulator	809.L			9661			Good
9		Batteries (3 Unit)	N-200		USA	9661			Damaged
7		Battery			Osaka	1980			Damaged

Tanjung Pinang

	Damaged	Damaged Damaged	Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged	Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged	Damaged	Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged Conaged Cood	Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged Cood Good Good	Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged Damaged Cood Good Good Good
-	0861	1980	0861 0861 0861	0861 9761 0861 9761 9761	1980 1976 1980 1976 1976	1980 1976 1980 1976 1976	1980 1976 1980 1976 1976 1976	1980 1976 1980 1976 1976 1978	1980 1976 1980 1976 1976 1980	1980 1976 1976 1976 1976 1976 1976	1980 1976 1976 1976 1976 1976 1976 1977	1980 1976 1976 1976 1976 1976 1976 1977 1976	1980 1976 1976 1976 1976 1976 1976 1976 1976	1980 1976 1976 1976 1976 1976 1976 1976 1976	1980 1976 1980 1976 1976 1976 1976 1976 1976
-	Yannar Hatz	Yanmar Hatz	Yannar Hatz Sanwa	Yanmar Hatz Sanwa Edison Grundig	Yanmar Hatz Sanwa Edison Grundig Phillips	Yanmar Hatz Sanwa Edison Grundig Phillips	Yanmar Hatz Sanwa Edison Grundig Phillips Megger	Yanmar Hatz Sarwa Edison Grundig Phillips Megger	Yanmar Hatz Sarwa Edison Grundig Phillips Megger Mistral	Yanmar Hatz Sanwa Edison Grundig Phillips Megger Mistral Strager Adler	Yanmar Hatz Sanwa Edison Grundig Phillips Megger Mistral Strager Adler	Yanmar Hatz Sanwa Edison Grundig Phillips Megger Mistral Strager Adler	Yanmar Hatz Sanwa Edison Grundig Phillips Megger Mistral Strager Adler	Yanmar Hatz Sanwa Edison Grundig Phillips Megger Mistral Strager Adler	Yanmar Hatz Sanwa Edison Grundig Phillips Megger Mistral Strager Adler
	***************************************														
	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79	TS-60 TS-79
	Engine Generator Generator Generator	Engine Generator Generator Generator Measuring Equipment	Engine Generator Generator Generator Measuring Equipment AVO Meter	Engine Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager	Engine Generator Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator	Engine Generator Generator Generator Aenerator AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test	Engine Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test	Engine Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Others	Engine Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Others Clock	Engine Generator Generator Generator Measuring Equipment AVO Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Others Fan Clock	Engine Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Others Fan Clock Type Writer Chair	Engine Generator Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Others Fan Clock Type Writer Chair	Engine Generator Generator Generator Generator Avo Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Others Fan Clock Type Writer Chair Filling Cabinet	Engine Generator Generator Generator Generator Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Others Fan Clock Type Writer Chair Filling Cabinet Table Cupboard (2 Unit)	Engine Generator Generator Generator Generator  Measuring Equipment AVO Meter Mega Cycle Meter Signal Voltager Signal Square Oscillator Bridge Megger Test Clock Fan Clock Type Writer Chair Filling Cabinet Table Cupboard (2 Unit) Cam-Starter
	<u> </u>	<u> </u>	B B B	<u>8                                    </u>	A A B Sign	B Si Si W A B B Si	S S S S S S S S S S S S S S S S S S S	S S S S S S S S S S S S S S S S S S S	S S S S S S S S S S S S S S S S S S S	TOBO BEST	GUNE ENERGY SERVICE STATES OF STATES	BESTATE BESTATE	HERER A RESTANTER	RESERVE BESERVE	Seg N Seg

# STATUS OF TROUBLES

SITE NAME: PULAU SAMBU

PLS-42-(1/1)

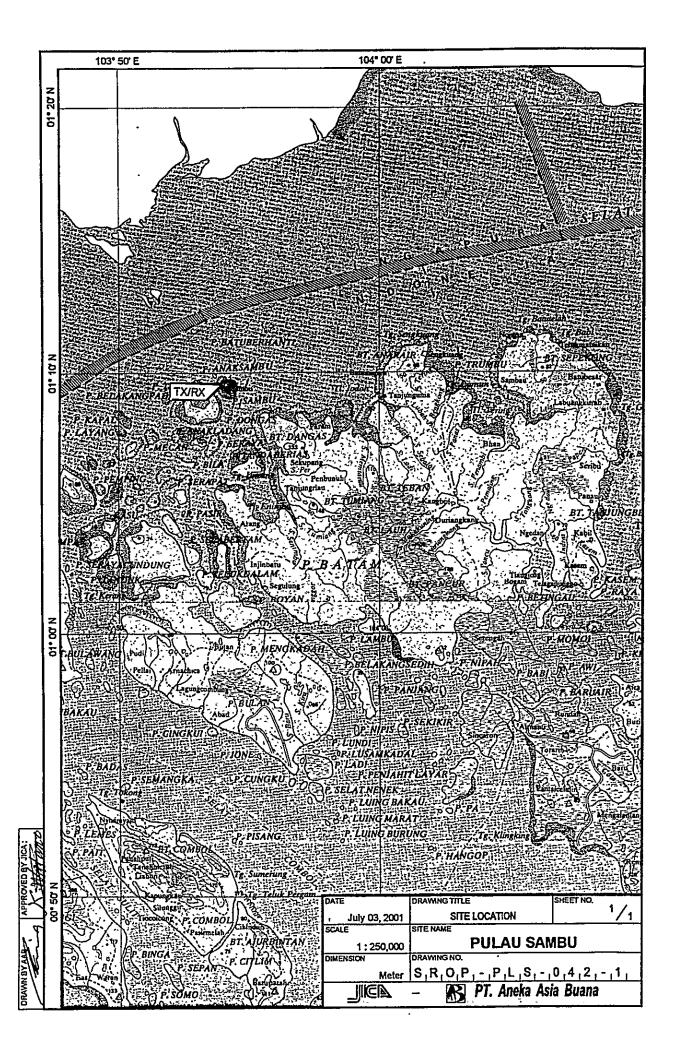
Item / Equipment	-1-		
Manufacturer	•		
Manufacturer in year	1		
Defective panel / unit	•		
	Cause doe to:		Repairing to be:
	☐ Aging		□ Immediacy
Dataile of Trankla Ctatue	☐ Lightning	1, con C 1, con con 1, 1	☐ By next year budget
Details of Houric Status	□ Corrosion	Organicy of Nepall	☐ By next project
	☐ Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:			
For the time being Pulau Sambu Co VHF (1 Unit), therefore if there is tr	For the time being Pulau Sambu Coast Station only completed by communication equipment, they are: Transceiver HF (1 Unit) and Transceiver VHF (1 Unit), therefore if there is trouble on the above equipment, the operational will be disturbed	unication equipment, they are: Tran perational will be disturbed	sceiver HF (1 Unit) and Transceiver
Connecting to the above condition, we request for spare unit	we request for spare unit		

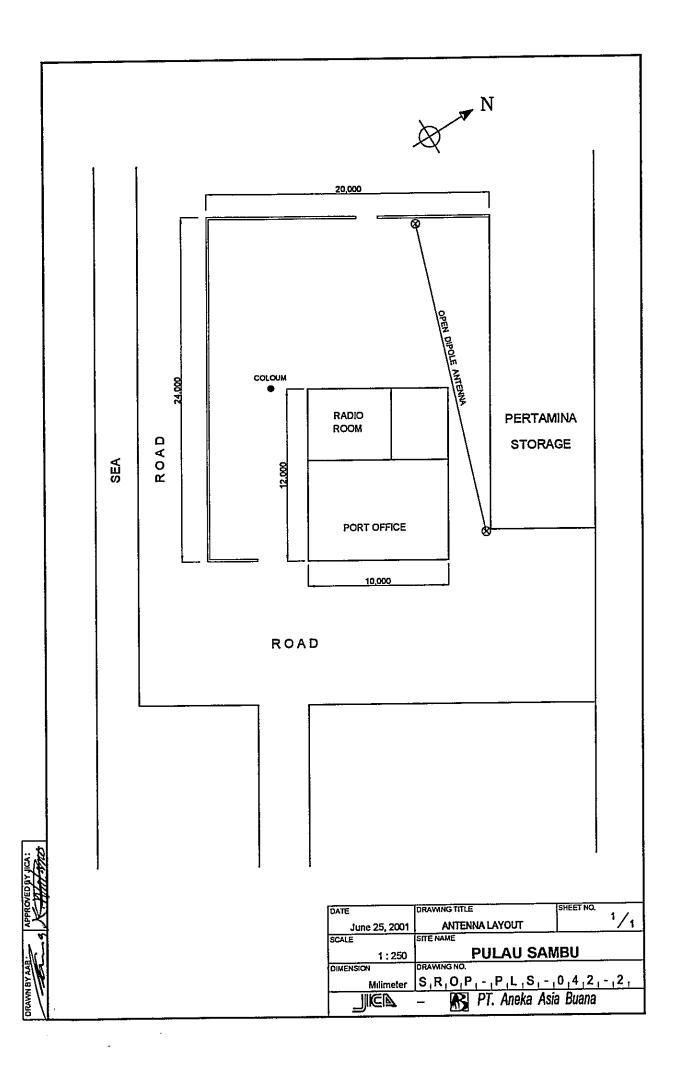
### PLS-042-(1/1)

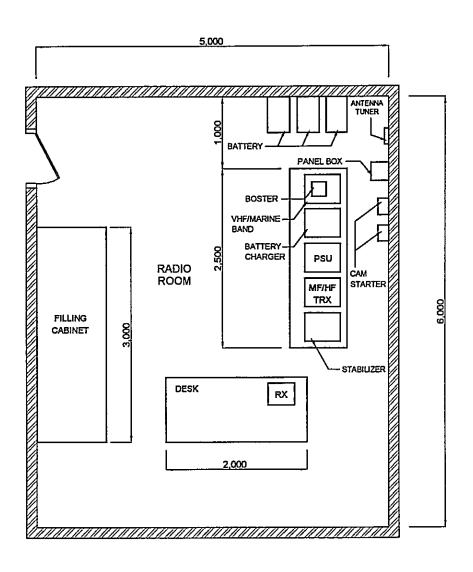
# OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKJ3 Fix Service

Site Name: Pulau Sambu

	FREQUENCY		POWER	CHI	
	(kHz)	EMISSION	(w)	01 02 03 04 05 06 07 08 09 10, 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
_	Mobile Service				
1 -	2 182,0	J3E	150		•
0	6 215,0	J3E	150		
1	VIII Conigo				
n	Channel-16	G3E	30		,
i					
i	Fix Service				,
4	4 055,0	J3E	150		
2	5,316,0	J3E	150		
9	6,926,0	J3E	150		
~					
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σ,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
5					
7					
2					
13					
4	1	1	-		
35					•
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4					
19	-				
<u>6</u> ,	,	1			
8		3			
7	•	1	†  -  -		
3 23					







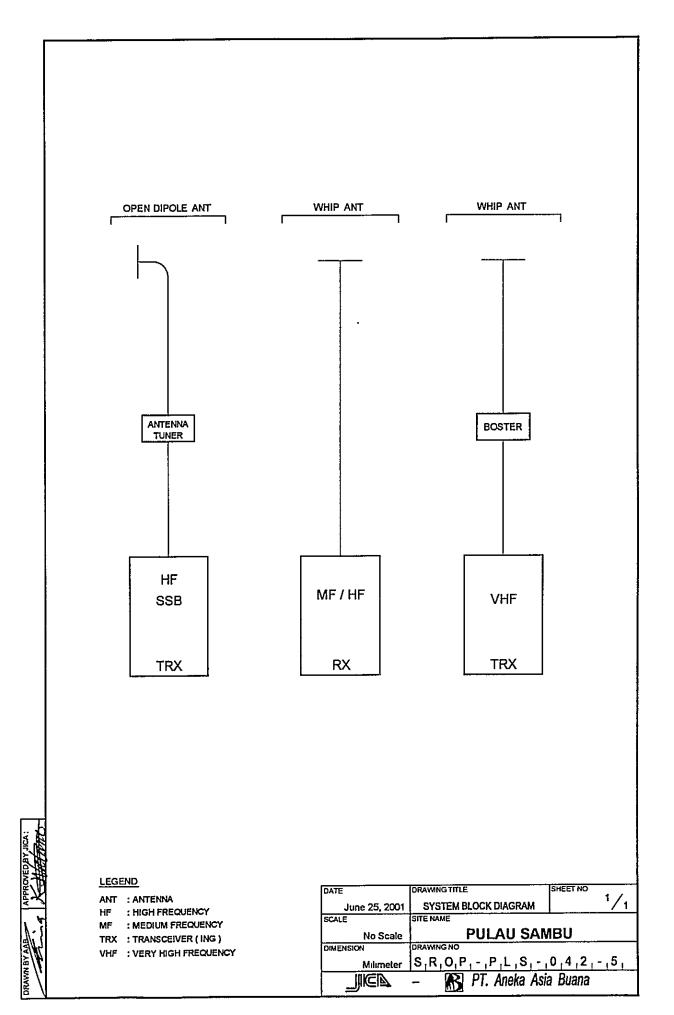
HF HIGH FREQUENCY
MF MEDIUM FREQUENCY
PSU POWER SUPPLY UNIT
RX RECEIVER (ING )
TRX . TRANSCEIVER (ING )

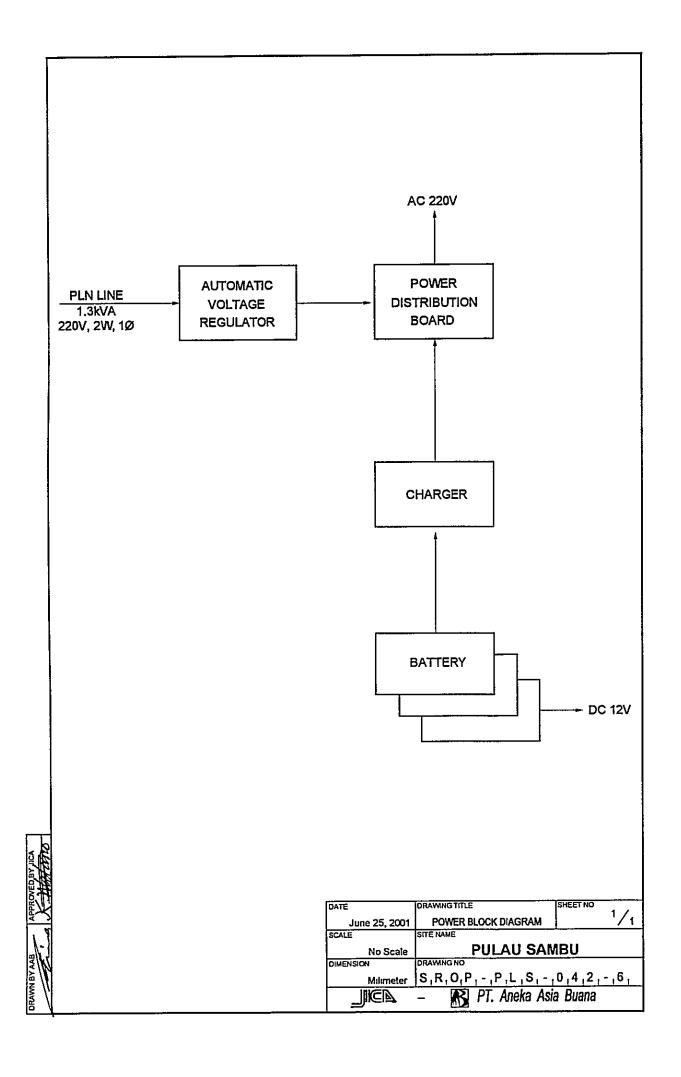
TRX . TRANSCEIVER (ING)

VHF . VERY HIGH FREQUENCY

DATE	DRAWING TITLE	SHEET NO	4 /
June 25, 2001	EQUIPMENT FLOOR LAYOUT		<u>'/1</u>
SCALE	SITE NAME		
1:50	PULAU SAN	IBU	
DIMENSION	DRAWING NO		
Milimeter	S,R,O,P,-,P,L,S,-,	0,4,2,	- ,3 ,
	– 🚯 PT. Aneka Asi	a Buana	

RAWN BY AAB APPROVED BY JICA





4th-A Class Coast Station
Tg. Pinang
(Coast Station No. 43)

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- ☑ 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)

		~~~							SITI		TA	NJUN	IG PE	NANG	
SUMMARY	Y OF COA	STS	IΑ	TIC	N				CLA	_	_	th-A		O.	43
1. LOCATION	Ţ									-					
Station	Address			T	el.		F	ax		I	ongit	ude		Lati	tude
TX/RX Jl. Bukit Se	mprong 28			0771-	-21571					104°	26'	26"	E 0	0° 55	′ 50″ N
<u> </u>			<u>L</u>				<u> </u>								
2. GENERAL	CONDITION	S	_												
Moving	from Jakarta	S	Site A	ccess fr	rom Por	t	Road	l Tr	affic	:	Acco	mmo	dation	Pop	ulation
By Air to Batam		<u>2·00</u> hr.] [					Heavy				Ø Ho				55,060
By Ship to Tg. Pına		<u>1·00</u> hr.} 🔽					Mediu	m			ΩМ	otel		ļ	
By Car to Location	1 [Taking time:	0.30 hr.] [	🛮 Մոր	paved r	road		Light							ļ	
						<u> </u>	None								
	3. CONDI	<b>FIONS</b>	OF	STA	TIOI	<b>V</b>						Ref	er to a	ttache	d drawing
3.1 Site Conditi	ons														
Topography	N:	iture of	Soil			Pa	st disa:	ster	of sit	e	Con	firmat	tion of	existin;	g system
□ Flat	☑ Dry soil		Lin	neston	e [	J Fl	ood				Yes	No			
□ Slope	☐ Ordinary			avel			ood Ti				Ø		Anteni		
☑ Hill-top	□ Swampy		Ro	cky			ain Lea	_			Ø			s (Mas	
☐ Basin	Clay				ľ	∃Gı	round	Sub	sider	ice	Ø			ding sy	
□ Valley	☐ Sandy													ing sys	
Altitude		.00 M					elepho			5				Cable	Way
Land area		140 m.²			t	<u> </u>	1		ines			Ø (	City w	ater	
	g Conditions			· · · · · · · · ·			3.3		wer	Sou					
	ructions			PL	N Sour	$\overline{}$		E/0		<del></del>			Powe	r Con	ditions
Num. of story	One		ltage		220 \						Good				<u> </u>
Structure	Concrete	Pha				1					미				System
Type of roof	Asbestos	Wii			3.	2					-			ons of	
Type of ceiling Type of wall	Plasterboard Brick	kV.	A		د ality of		T 0022				<u> </u>			ons of	engine
Wall finish	Mortar	E1.,	ctuati		anty or	FLIN	V ±				Day t		9 01 10	et tor	Liter
Flooring	Tile				power j	ner de			и н		Main		+		k Liter
	Area (m²)				tion /m		ч		3 Ti				tand-	hv Sve	
Operation room	12,00				ours /m				2 H		<u> </u>	E/G Stand-by System Single System			teni
E / G room	20 00		_		ours at				2 H		☐ Dual System				
Remark				p		<u> </u>									
4. OP	ERATION AN	ND MA	INL	ENA	NCE			5.	. PE	RS	ONN	EL I	FOR	MAT	IONS
	Actions taken in	equipme	ent fa	ilure								1	TX/R	X	
Restoration flow	Repaired in Di	strict Nav	vigati	on Tg.	Pinang	5		Chi	ief					1	
Examples of major failu	re Antenna Tuner	damage	d by l	ighteni	ing						illed)		1	0	0_
Sufficiency of spares	iciency of spares			1500 by Ingilianing					Technician (skilled)			1)		0	()
<del></del>	ls of damages				ental C	ondi	tions	Ad	minis	trate	or	_ _			
☐ Heavy rainfall			Good												
☐ Storm			Ø		xternal		es	To	tal					2	
<del></del>	Antenna Tuner		☑		ir pollu	ition									
Other calamity											- m		**		
1.75.1	Institutional and				L CX z	~~~		_					Recor		Trainee
1 Budget	□ Suff				le 🗹 I				ourse	=	Class			-	<del></del>
2 Spares	☐ Eno			sonabl	<del></del>		nough	∪pc	rator	-	C-III		ımai	1988	1 1
3 Measuring eqpt 4 Number of Oper					le 🗹 N			_		-		+		1	<del> </del>
5 Number of Tech					le 🗹 N					_		1		1	-
6 Capability of Op					q   D V			_						<del> </del>	
7 Capability of Te					d ⊠ v					$\dashv$				<del>                                     </del>	

		6. STA	TISTIC	AL CO	MMUI							
	Ma	ritime Sat	fety			Pu	blic Tel	ecomr	nunicat	ion Ser	vice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Telep	hone	TG Call
						Call	Minute			Call	Minute	
1996		5			1991	1,605			1996	1,792		
1997		6	4		1992	1,597			1997	1,8		
1998		10	5		1993	1,82			1998	1,756		
1999		10	2	•	1994	1,775			1999	1,705		
2000		12			1995	1,675			2000	1,818		
	-:			7.	COM	MEN'	ΓS					
uggestion												

## Site Name: Tanjung Pinang

INVENTORY

Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
	Radio Equipment MF/HF System HF Transceiver	188-50	TR-12602430	E Z	1980		-	Damaged
	HF Transceiver HF Transceiver	UTS-10S-10 3B54 PYE SSB-130M3938	3B542 3938	UTS	1982			Damaged Damaged
	HF Transceiver	IC-M-700	42047	ICOM	1994		•	Good
	HF Transceiver VHF System	IC-M-700	50359	ICOM	1995			Cood
	VHF Transceiver VHF Transceiver	FTC-1540A JHV-227YA	SM350102 BM-16881	Yaesu JRC	1985			Good
· —	VHF Transceiver Receiver	1C-2000		ICOM	8661			Good
_	HF Receiver	NMR-1030K	21083	JRC	6961			<del></del>
	HF Receiver HF Receiver	FRG-7700 FRG-8800	220345 5D50550	Yaesu Yaesu	1984			
	HF Receiver	FRG-8800	9D320063	Yaesu	1989			-
	Tower & Antenna System				·			
	Tower & Mast TX Station							
	Antenna Tower (x2)			ITNI	1980			Good
	Antenna System Dinole Antenna				1003			
	Long Wire Antenna				1994			
	Whip Antenna (VHF)			JRC	1995			Good
	Whip Antenna (VFIF) HF Antenna (x3)			GAZDEN	1998			D 000
	Antenna Switch Antenna Selector							)
	Automatic Antenna Tuner	AT-120 AT-130		ICOM	1994			Good
		) ) •		 } }	,			200

Tanjung Pinang

Maintenance Decord	ecord Condition			Good	Good	Good		Good	Good	Good	Good	900g	Ро	Ооо	Ро	Goog	Ооб	Good	Goog	Goog	Good	Good	Good
									_				····		<del></del>	<del></del>	<del> </del>				<del> </del>		
	Keterence																						
	Date			1994	1996	1984	1989	1996		1996	1996 1996	1996 1996 1996	1996 1996 1996 1981	1996 1996 1996 1996 1991	1996 1996 1996 1981	1996 1996 1996 1981 1983	1996 1996 1996 1981 1983 1985	1996 1996 1996 1981 1983 1985	1996 1996 1996 1983 1985 1985 1985	1996 1996 1981 1983 1985 1985 1996 1996	1996 1996 1983 1985 1985 1985 1985 1985	1996 1996 1983 1985 1985 1985 1985	1996 1996 1983 1985 1985 1986 1985 1985
	Manufacturer			Daiwa	Daiwa	VDO	EGC	Ottoho		Ottoho	Ottoho Lancer	Ottoho Lancer Tamiya	Ottoho Lancer Tamiya Dypco	Ottoho Lancer Tamiya Dypco	Ottoho Lancer Tamiya Dypco	Ottoho Lancer Tamiya Dypco Standard Sunwa	Ottoho Lancer Tamiya Dypco Standard Sunwa Sunwa	Ottoho Lancer Tamiya Dypco Standard Sunwa Sunwa Soar	Ottoho Lancer Tamiya Dypco Standard Sunwa Sunwa Soar	Ottoho Lancer Tamiya Dypco Standard Sunwa Soar Maldol Maldol	Ottoho Lancer Tamiya Dypco Standard Sunwa Soar Maldol Hozan	Ottoho Lancer Tamiya Dypco Standard Sunwa Soar Maldol Maldol Hozan	Ottoho Lancer Tamiya Dypco Standard Sunwa Soar Maldol Hozan
	Serial No													***************************************									
£	Type			RS.40XII	RS.40XII			12V/200AH	12V/200AH		BC.2415N	BC.2415N TVS-10G	BC.2415N TVS-10G VMI.82804	BC.2415N TVS-10G VMI.82804	BC.2415N TVS-10G VMI.82804	BC.2415N TVS-10G VMI.82804	BC.2415N TVS-10G VMI.82804	BC.2415N TVS-10G VMI.82804 FC.845	BC.2415N TVS-10G VMI.82804 FC.845	BC.2415N TVS-10G VMI.82804 FC.845	BC.2415N TVS-10G VMI.82804 FC.845	BC.2415N TVS-10G VMI.82804 FC.845	BC.2415N TVS-10G VMI.82804 FC.845
J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Description	Power Supply Equipment	UPS & AVR	DC Power Supply	DC Power Supply	DC Power Supply 12/13.8V	DC Power Supply 12V	Accumulator	Accumulator		Accu Charger	Accu Charger AVR	Accu Charger AVR Engine Generator Generator	Accu Charger AVR Engine Generator Generator Measuring Equipment	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter Multi Meter	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter Multi Meter Multi Meter	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter Multi Meter Frequency Counter SWR Meter	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter Multi Meter Frequency Counter SWR Meter	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter Multi Meter Frequency Counter SWR Meter Tool Set	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter Multi Meter Frequency Counter SWR Meter Tool Set	Accu Charger AVR Engine Generator Generator Measuring Equipment Multi Meter Multi Meter Frequency Counter SWR Meter Tool Set Others Panel Box
Description No.	Registered ino.		<u> </u>	<u>a</u>	<u>a</u>	<u>a</u>	<u> </u>	<u> </u>	<u> </u>	_	<u> </u>	<u> </u>	<b>∢∢</b> ⊠∪_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	44EU K222EV	44 EO K 2 2 2 2 L 0 0	44 BO 8 2 2 2 2 1 0 0 F	<< □U ► ≥ ≥ ≥ ≥ ± v v ⊢	
	ON	က	3-1	-	73	ო	4	S	9		7	~ %	3-2	3-2 8	3-2 1 1 4	3-2 8 4 1 2 2 2	3-2 8 4 1 1 2 3 3	3-2 8 1 8 1 1 2 3 3 4	2. 2. 2. 2. 2. 2. 2. 4. 3.				

# STATUS OF TROUBLES

SITE NAME: TANJUNG PINANG

Item / Equipment	Automatic Antenna Tuner / AT-130	0	
Manufacturer	1		
Manufacturer in year	1995		
Defective panel / unit			
	Cause doe to:		Repairing to be:
	☐ Aging		☑ Immediacy
Details of Trouble Status	区 Lightning	I frances of Donnin	☐ By next year budget
Details of 110uble Status	□ Corrosion	Organicy of Napali	☐ By next project
	☐ Lack of Spares		□ Unnecessary
	□ Others		
General Comment for Maintenance:	<b>i</b> i		

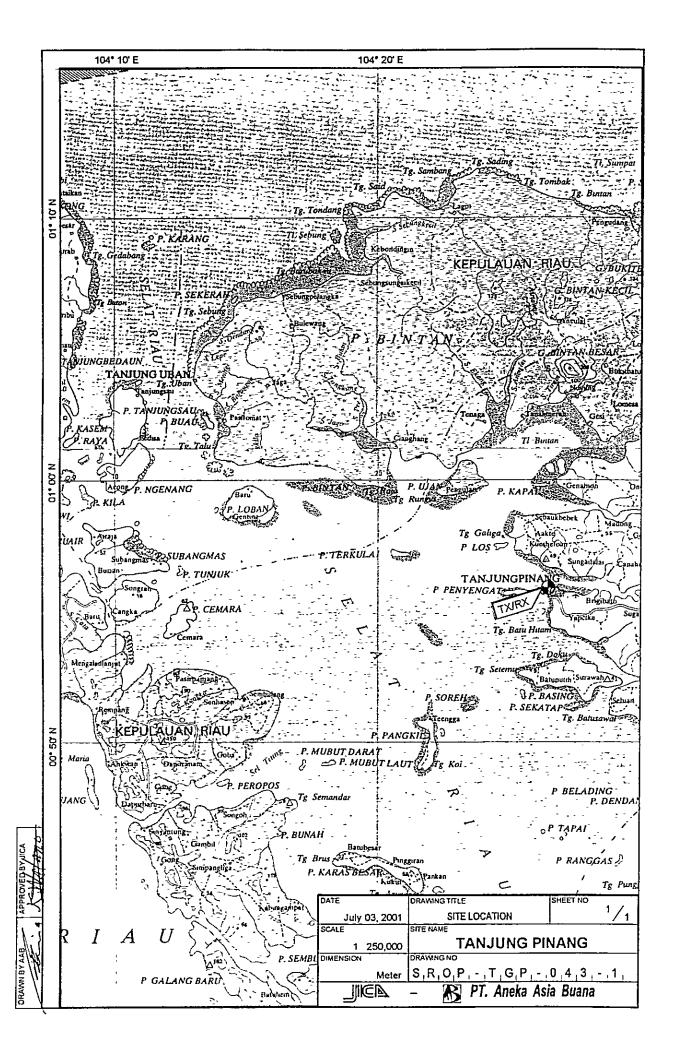
TGP-43-(1/1)

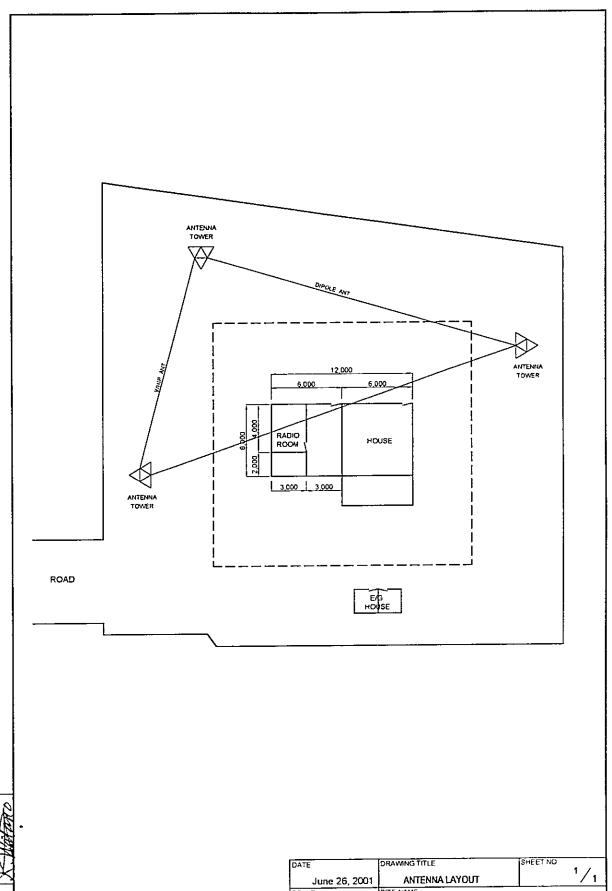
## TGP-043-(1/1)

## OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKJ.2 Fix Service :

Site Name: Tanjung Pinang

EMISSION	POWER (W)	UTC UTC 02 02 02 03 03 04 05 05 05 05 05 05 05 05 05 05 05 05 05
╢		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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<u> </u>	DCL	<u> </u>
73 12 13 13 13 13 13 13 13 13 13 13 13 13 13	150	
G3E	25	
۳	150	
J3E	150	
38	150	
J3E	150	





June 26, 2001 ANTENNA LAYOUT

SCALE

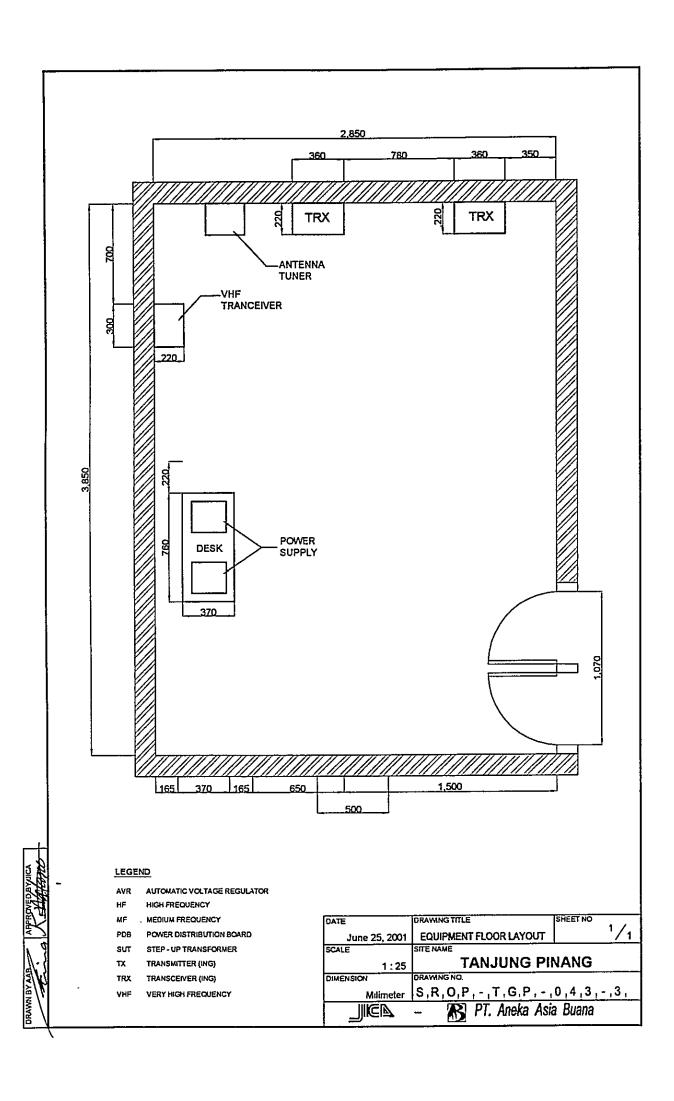
1 300 TANJUNG PINANG

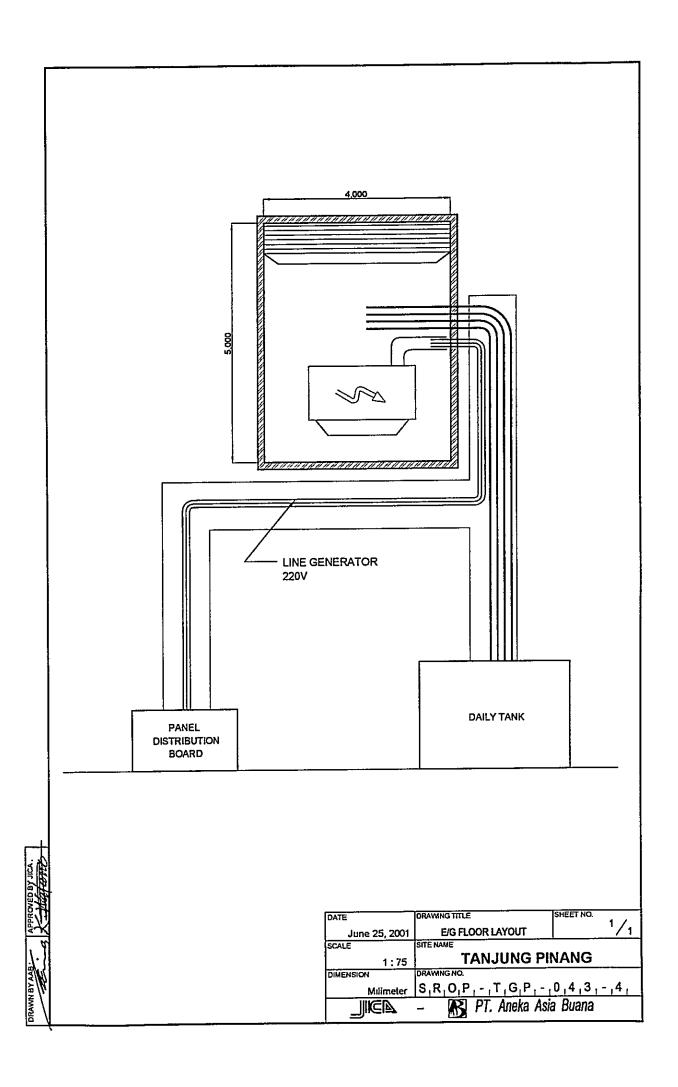
DIMENSION DRAWING NO

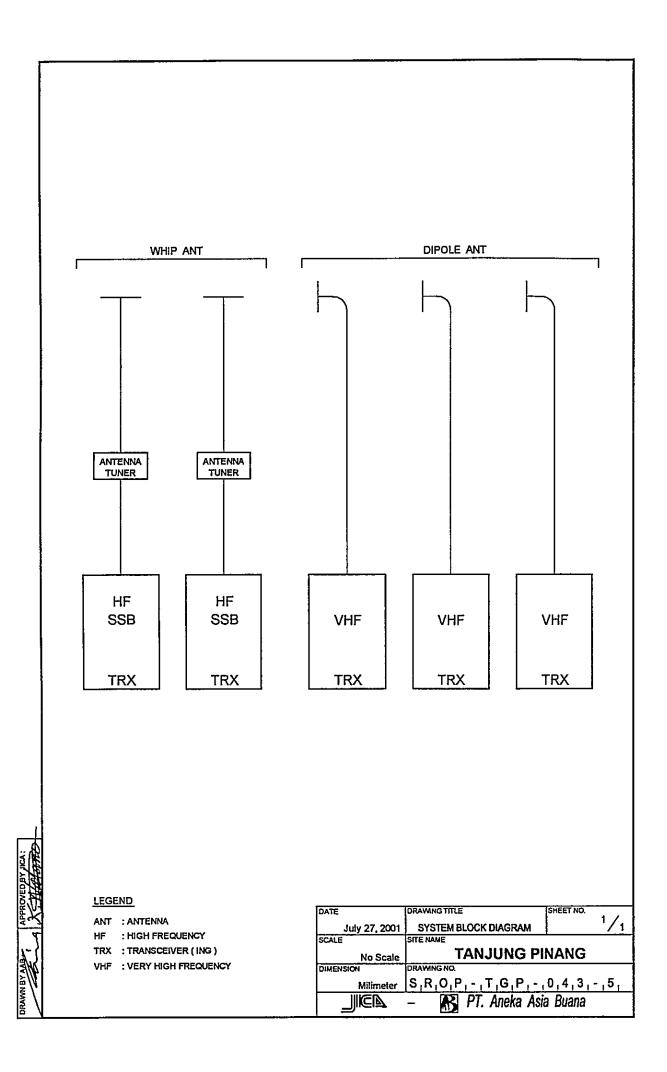
S. R. O. P. - . T. G. P. - 0. 4 . 3. - 2.

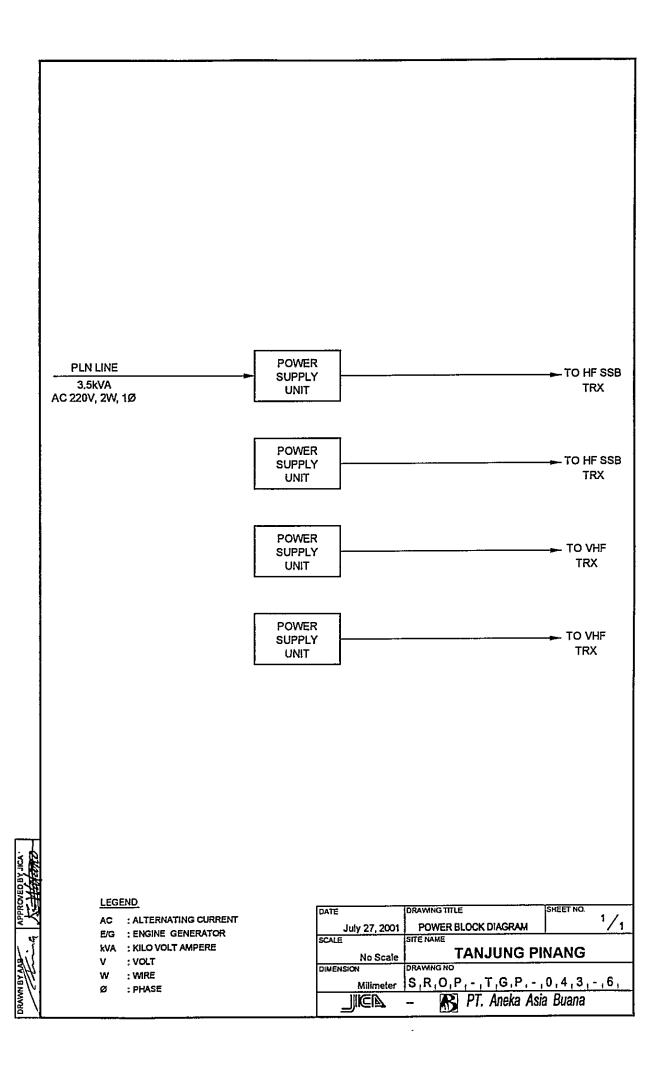
JIKEN - PT. Aneka Asia Buana

DRAWN BY AAB









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

4th-B Class Coast Station

Dabo Singkep

(Coast Station No. 44)

### **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

SUMMAR'	VAE	COAST	r CT	וידי ו	ION				SITE		DABO	) SIN			
SUMMARK	ı Or	COAS		711	UIT				CLAS	S	4tl	ı-B	NO.		44
1. LOCATION	1	"													
Station	Addı	ress	<u> </u>		Tel.	•		Fax		Lo	ngituo	le	1	Latit	ude
TX/RX Jl. Pelabuh	an, Dabo S	Singkep	i						10		34′ (		000	30	10" S
											•				
2. GENERAL	COND	TIONS													
<del></del>	from Jal	<del></del>	Sita	1 000	s from P	art	D.	oad Ti	en effic		Accom	modes	tion	Don	ulation
By Air to Batam			hr.] 🗆 Hi			011	☐ Hea		anne	$\rightarrow$	Hote			1 0p	шаноп
By Ship to Tg. Pine			hr.] ☑ Pa		· y		☐ Med			_	1 Mote		-		
By Ship to DSP			hr.] 🗆 Uı		d road		☐ Ligh			┪	2 141014	<u>,,,</u>			
by stup to Dat	[1-40.	25 autres - 5 ave .		ритс	,u 10uu		□ Non		•	$\dashv$			<del> -</del>		
	2.0		NIC O	2 07	C A 2CY					÷		D ofor	<del></del>	-chor	l drawing
		ONDITIC	INS OI	· S	LATIC	)N						Kelei	to atta	lened	GIAWIII
3.1 Site Condition	ions														
Topography			e of Soil			_	Past di		of site				n of ex	isting	system
☑ Fiat		ry soil		imest			Flood		Yes No						
☐ Slope		Ordinary	-	ravel		•	Flood			<b>⊢</b>					
☐ Hill-top		wampy	□ R	ocky		1	Rain I	-	•	<b>⊢</b>			wers (		
☐ Basin		lay					Groun	nd Sub	sidenc	· 1	<u> </u>		oundi		-
☐ Valley	☑ S	andy				┦—							htning		
Altitude		2.00				<u> </u>	Telep						eder C		Way
Land area	<u> </u>	1,600	m²						ines			Cit	y wate	<u>:r</u>	
3.2 Buildir	ig Cond	litions	<u> </u>				3.	3 Po	wer S	oui	rce				
Cons	tructions			P	LN Sou	urce	:	E/	G				ower (	Conc	litions
Num. of story	One		Voltage	=	220	) V			220 V	G	ood Ba				
Structure	Concre	te	Phase			1			1		<u> </u>				System
			Wire			2			2				ration		
			kVA		- (	0.9			3				ration		
Type of wall	Brick			Q	Quality (	of P	LN so	urce			Capa	city o	f fuel	for	engine
Wall finish	Mortar			Fluctuations V ± 9				± %		D	ay tanl	k		5,9	Liter
Flooring	Tile	•	Availability of power per day				2	4 Hou	ırsiv	lain tar	ık			k Liter	
Room	Area (m²	²)	Power	Power interruption /month					4 Time	es	E/6	G Sta	nd-by	/ Sys	tem
Operation room		9.00	Total ir	terpt	. hours	/mo	nth	_3	6 Hou	rs	Ø S	ingle	Syste	m_	
E/G room		4.00	Max. in	Total interpt. hours /month  Max. interpt. hours at once				1	2 Hou	rs		Dual S	ystem		
Remark				Max. Interpt. nours at once											
									· · · · · · · · · · · · · · · · · · ·						
4. OP	ERATI	ON AND	MAIN	TEN	JANC	F.		5	5. PERSONN			L FO	)RM	AT	IONS
		aken in equ						<del>                                     </del>					C/RX	1	
Restoration flow		red in Distric				ng		Ch	ief			1	1	†	
Examples of major failu		ansceiver, da		.0 2	. <u>5</u>	<u>o</u>		_	Operator (skilled)		i	10	十	0	
Sufficiency of spares				naged					Technician (skilled)				0		Ö
<u> </u>	ls of dam	ages	Env	Environmental Conditions					Administrator				1		
☐ Heavy rainfall				Bad					Administrator			丁			
□ Storm			Ø	┢	Extern	al n	oises	To	Total		i	2	一		
☐ Lightning			☑		_ f			1			-			i	
☑ Other calamity	Damaged	by lightening		T	1		-							1	
		onal and Hu		tuse	s				-	•	Traini	ng Re	cord		
1 Budget		☐ Sufficier				Inst	ufficien	ıt C	ourse		Class			eriod	Trainee
2 Spares		☐ Enough			able 🗹					1		1			
3 Measuring eqpt.	/tools	☐ Enough			able 🗹					$\overline{1}$		į			
4 Number of Oper		☐ Enough			able 🗹					T		ļ			ī
5 Number of Tech		☐ Enough			able 🗹					1		İ	F		1
6 Capability of Op		☐ Skilled			bad 🗆					T		1			
7 Capability of Te		☐ Skilled	□ No	t so	bad 🗹	No	capab	le		ł		i			

SUMM	IADV	OF C	O A ST	'ATZ	FION	Ī		SITE	DAB	O SING		
20141141	LAXIVI	OF C	OAGI	DIA.	IOI			CLASS	41	h-B	NO.	44
		6. STA	TISTIC	CAL CO	MMUI	VICA 7	TION T	RAFF	C DA	ΓA		
	Mai	ritime Sa	fety			Pu	blic Tel	lecomn	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	ohone	TG Call	Years	Telep	ohone	TG Cail
					l	Call	Minute	:		Call	Minute	
1996		4			1991	42			1996	41		
1997		6			1992	51			1997	48	<u> </u>	
1998		5			1993	37			1998	50		
1999		8			1994	44			1999	42		
2000		8			1995	52			2000	53		
				7.	COM	MEN'	rs					
Suggestion												
Remarks												

Condition	Damaged Good	Damaged	Good	Good	Good	Dood Good	Good No Good	WELL I	
Maintenance Record									
Reference									
Date	1984	1999		6661	1996	1984 1999 1999	1984	1995	1995
Manufacturer	UTS	ICOM		GAZDEN	ICOM		Yanmar Honda	Sanwa	Hozan
Serial No	10-S.10					PS-830			
Type	UTS-10S IC-M700	IC-2100			AT-120	VDO VDO NS-200	TS-60 800		
Description	Radio Equipment MF/HF System HF Transceiver SSB Transceiver	VHF System VHF Transceiver	Tower & Antenna System Tower & Mast Antenna pole Antenna System Dipole Antenna	VHF Antenna	Antenna Tuner	Auipment m H	Engine Generator Engine Generator Engine Generator	Mensuring Equipment Multi Tester	Others Tool Set
Registered No.		·		,					To the second se
Š	1 1-1 2	1-1	2 2-1 2-2	. 2		<del>- 28</del>	- cı	4 -	ري 

Tanjung Pinang

# STATUS OF TROUBLES

SITE NAME: DABO SINGKEP

DSP-44-(1/1)

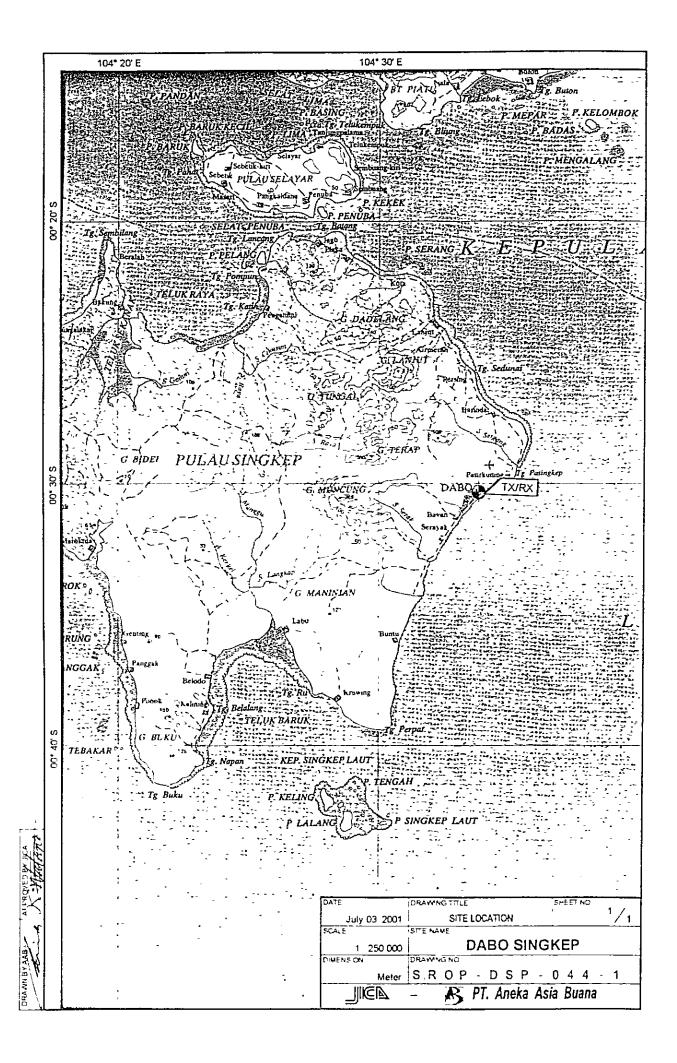
Item / Equipment	-/-		
Manufacturer			
Manufacturer in year	J		
Defective panel / unit	ı		
	Cause doe to:		Repairing to be:
	☐ Aging		☐ Immediacy
Dataile of Trankle Ctatus	☐ Lightning	The state of Day	☐ By next year budget
Details of Tioudic Status	☐ Corrosion	Organicy of repair	<ul><li>By next project</li></ul>
	☐ Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:	•		
Dabo Singkep Coast Station only completed by 1 it will can not be operationed.		unit HF Transceiver and 1 Unit VHF Transceiver, so if there is trouble on the above equipment,	s is trouble on the above equipment,
Connecting to the above condition, we request for	we request for additional spare equipment, for each 1 unit	oment, for each 1 unit	

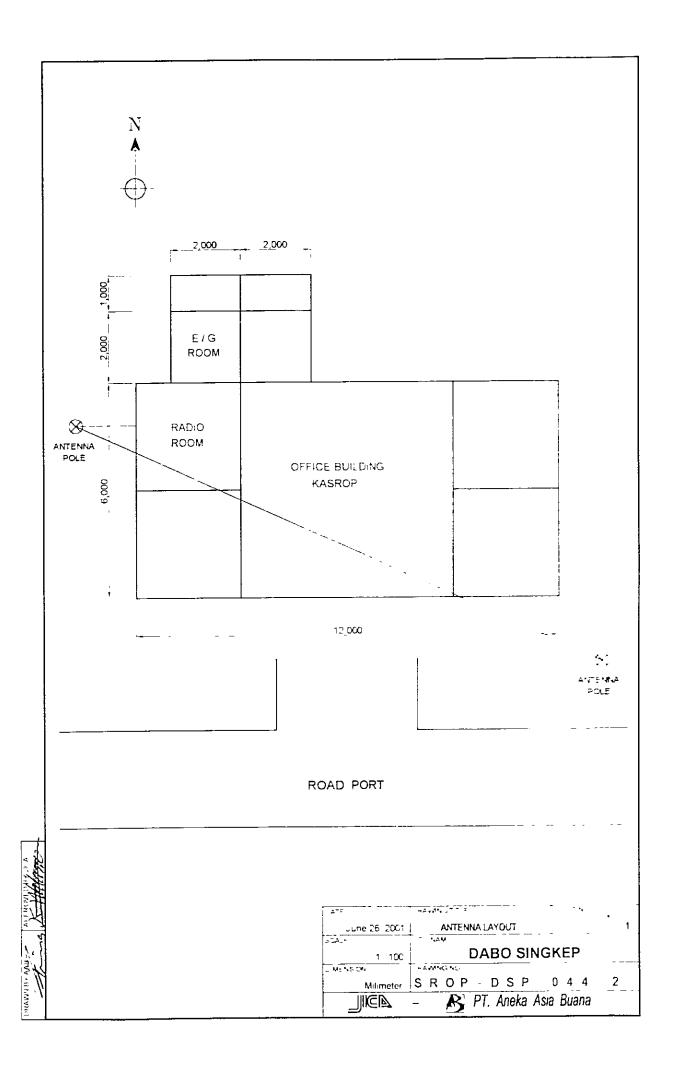
## DSP-044-(1/1)

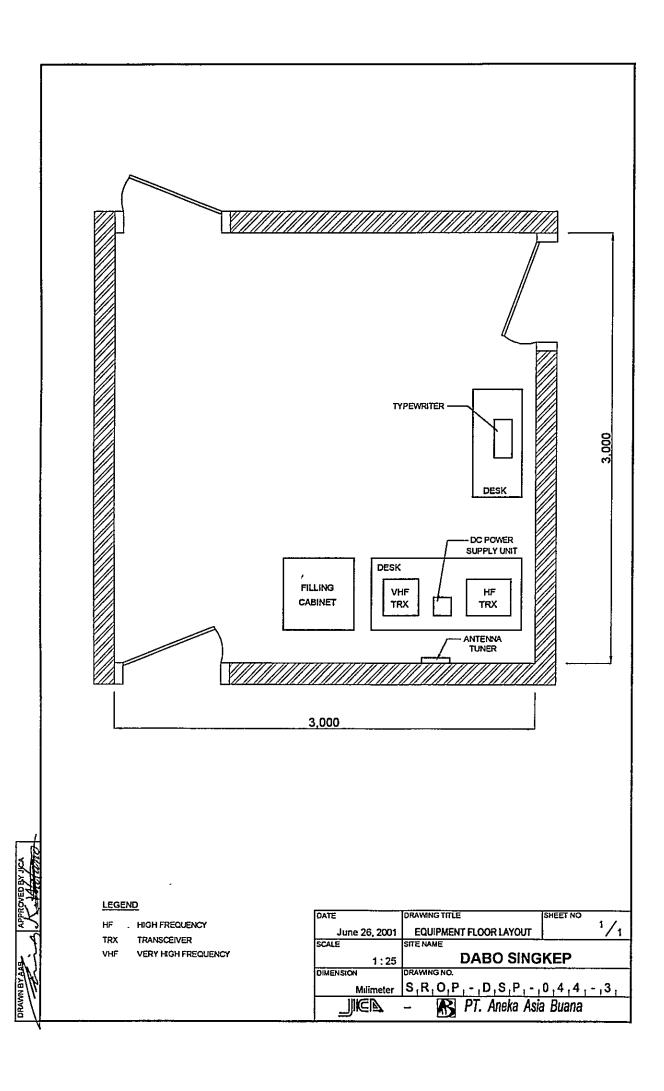
## OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKJ.30 Fix Service:

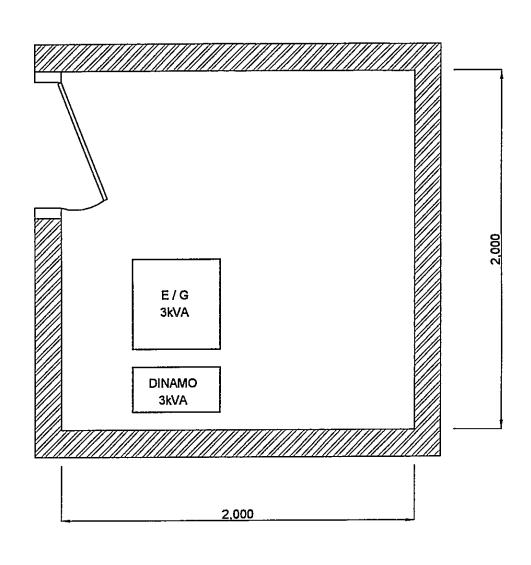
Site Name: Dabo Singkep

	FREQUENCY		POWER	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
	(kHz)	EMISSION	(w)	01 02 03 04 05 06 07 08 09 10 11 1	REMARK
	Mobile Service				
-	2 182,0	35	150		
7	6 2 1 5,0	J3E	150		
	VHF Service				
က	Channel-16	G3E	8		
Ī .					
Ī	Fix Service				
₹,	4 055,0	J3E	150		
5	5.316,0	J3E	150		
ဖ	6 926,0	J3E	150		
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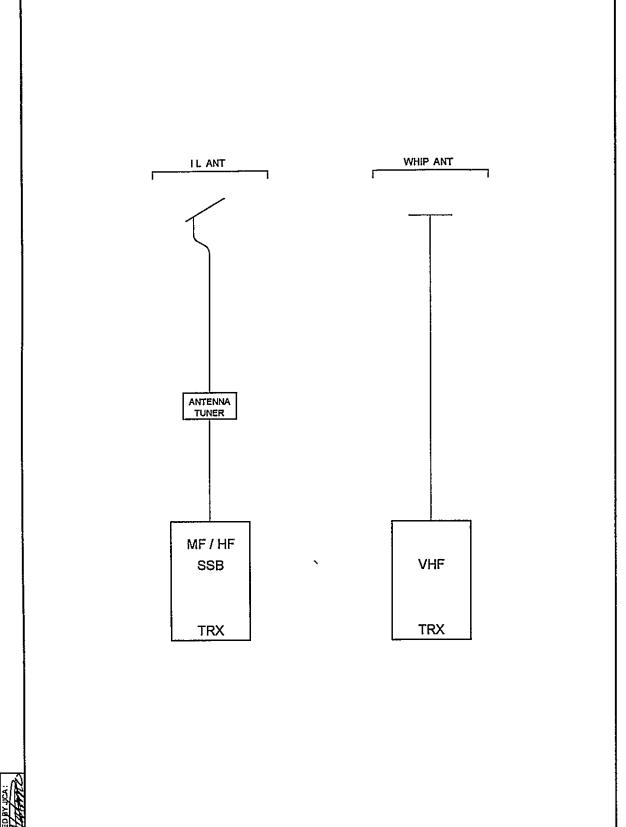
## LEGEND

E/G : ENGINE / GENERATOR

kVA : KILO VOLT AMPERE

DATE	DRAWINGTITLE	SHEET NO
June 26, 2001	E/G FLOOR LAYOUT	<u>'/1</u>
SCALE	SITE NAME	
1:20	DABO SING	KEP
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,D,S,P <u>,-,</u>	0,4,4,-,4,
	– 🚯 PT. Aneka Asia	a Buana

IRAWIN BY AAB APPROVED B



### LEGEND

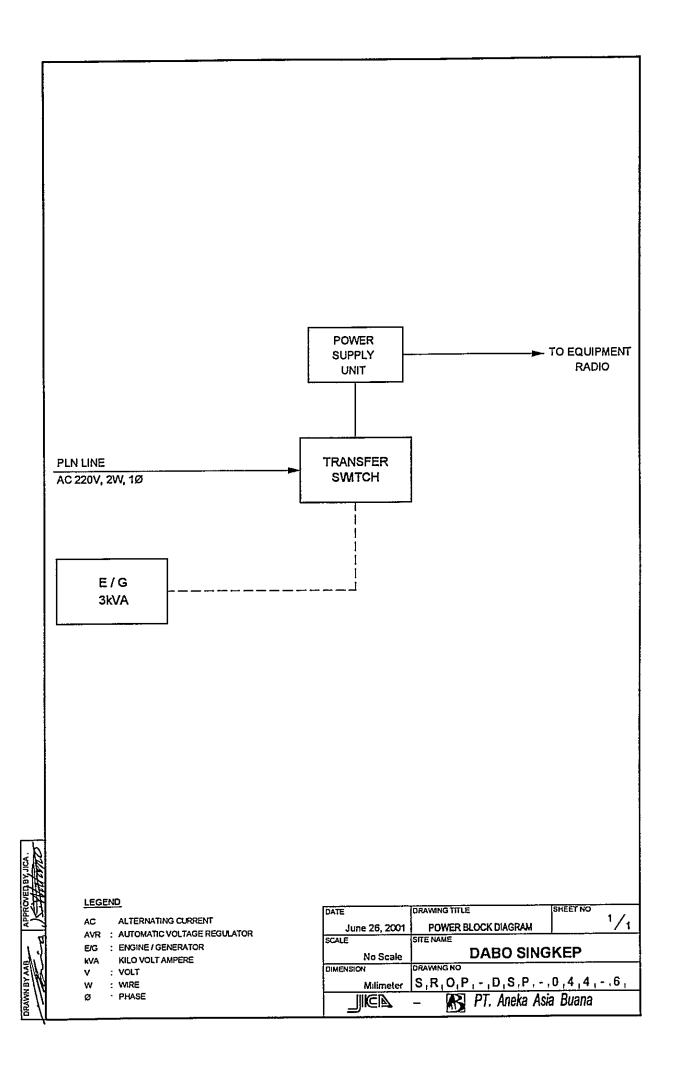
HIGH FREQUENCY

IL : INVERTED L

MF : MEDIUM FREQUENCY

VHF : VERY HIGH FREQUENCY

DATE	DRAWING TITLE SHEET NO
June 26, 2001	SYSTEM BLOCK DIAGRAM . /1
SCALE	SITE NAME
No Scale	DABO SINGKEP
DIMENSION	DRAWING NO.
Milimeter	S,R,O,P,-,D,S,P,-,0,4,4,-,5,
	- B PT. Aneka Asia Buana



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

## 4th-B Class Coast Station Natuna (Coast Station No. 45)

## **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

SUMMAR	VOF	COA	CT	ST.	TI	ON				SITE		NATU	JNA_			
SUMMAK	1 OF	COA	ro r	OIA						CLA	.SS	4tl	h-B	NO	•	45
1. LOCATION	4															
Station	Add	ress				Tel.		1	Fax		I	ongitue	ie		Latit	ude
TX/RX Jl. Pelabuh	an, Natuna	1						$\neg$			108°			03°		
								$\neg$								,
2. GENERAL	COND	ITION	C										•	<del></del>		
			Ŋ.	Ctan A	*****	from P	ا بسد	TD.		C OC -		Accom	madai	ton I	D	1-4:
By Air to Batam	from Jal		2.00 %-1	Hig				☐ Hea		Craffic	<u> </u>	☐ Hote		11011	rup	ulation
By Ship to Natura		ng time:						☐ Me				☑ Mote		-		
Dy Suip 10 Natura	Linux	16 (1110	<u> </u>	Un <sub>1</sub>		road	-	Z Ligi				E IVIOI	<u>, , , , , , , , , , , , , , , , , , , </u>	<del></del>		
					34100	1044	_					<del>                                     </del>				
	2 0		TION	COE	COT	A COTO	==	7 7101				<u> </u>	Dafas	40.044		
		ONDI	1101	SOF	ST	ATIU	N					ļ <u></u>	Refer	to att	cnec	drawing
3.1 Site Condit	ions															
Topography			ature (					Past d		r of sit	e			n of ex	isting	system
□ Flat		ry soil			nesto	ne		Flood				Yes N				
☐ Slope		Ordinary			avel		1	Flood						tenna		
☐ Hill-top	3	wampy		J Ro	cky			Rain I		_				wers		
☐ Basin							Ш	Groui	round Subsidence				oundi			
☑ Valley	- 14110) — 54110)				Telep				one T :				htnin			
Altitude	_							Telep			S			der C		way
Land area		<u>-</u>	,000 n	1*						Lines		I	2 Cir	y wate	21	
3.2 Building Conditions										ower	Sot					
Constructions Num of story One					PI	LN Sou			E	/G				ower	Conc	litions
Num. of story One Structure Concrete			oltage/			V	_		220 \		Good Ba				<del>-</del>	
Structure				Phase			1 2			☐ ☐ Power Supply Sy ☐ ☐ Operations of E/G						
Type of roof	71			Wire			3			☐ ☐ Operations of E/C						
Type of ceiling	J1		kVA Consider of PV						5							
	ype of wall Brick		Quality of PLN									i iuei		engine Liter		
							± %			Day tan Main ta			12	k Liter		
			Availability of power per day								1 1	. C				
			Power interruption /month  Total interpt. hours /month						mes		G Star			lem		
Operation room		9.00									urs		Single Dual S	_		
		<i>)</i> μν	Max. interpt. hours at once						п	urs	L.J	Juai 3	ysten			
Remark																
	!															
	TO A COL		· · · · · · · · · · · · · · · · · · ·		17157	4 3 7 6 7 7				- 20	n C	ONDE	TTC		A OT	——
	ERATI						5			5. P.E.	KO	ONNE			AI.	IONS
Restoration flow	Actions t									hief			1 13	Z/RX 1	+	
Examples of major failu		red in Di ansceive			on 18	z. Pinar	ıg			nier perato	- (al	illad)	<u> </u>	1()	+	
Sufficiency of spares	TE FIF II	ansceive	r, oama	igea								skilled)	1	0		0
	is of dam	0.505		Fny		nental (	Con	dition		dminis			1		+-	
☐ Heavy rainfall	is of Gain	ages		Good		lentai	COL	untion	15 A	CHIMA	пац	л	!		-	
Storm				Ø		Externa	a! nc	oicoc	_ 	otal			<u> </u>		┼	
☐ Lightning				<u> </u>		Air pol			- -	Otai			<del>!</del>		+	
	Damaged	hy lighte	enino	1-		rai poi	Julik	J11	+				•		┰	<del></del>
☑ Other calamity Damaged by lightening  Institutional and Human S					11565	<u> </u>						Traini	no Re	cord	<u> </u>	
1 Budget	11131111111			□ Rea		ole M	Insu	ifficier	ıt (	Course	1	Class			eriod	Trainee
2 Spares		□ Eno	_			ole 🗹					+			-		
3 Measuring eqpt.	/tools	□ Eno				ole 🗹					$\top$		:	$\top$		
4 Number of Open		□ Eno				ole 🗹					$\dashv$		1			
5 Number of Tech		☐ Eno				ole 🖾					1		1			
6 Capability of Op		☐ Skil		☑ Not									i .			
7 Capability of Te	led	□ Not	so ba	ad 🗹	Not	capab	le	•	Ī		1					

NATUNA

SUMM	LADV	OF C		CTLAT	FTON			SITE	NAT	UNA		
SUIVIIV.	IANI	Or C	UASI	SIA	LION			CLASS	41	h-B	NO.	45
·		6. STA	TISTIC	CAL CO	MMUI	VICA.	TION T	RAFF	IC DAT	ΓA		
	Mai	ritime Sa	fety			Public Telecommunication Service						
		ļ				Tele	phone	TG		Teler	hone	TG
Years	TG	TEL	DSC	NBDP	Years			Call	Years			Call
		<u> </u>				Call	Minute			Call	Minute	
1996					1991				1996	48		
1997		ĺ			1992				1997	62		
1998		4			1993				1998	74		
1999		2			1994				1999	69		
2000		4			1995				2000	78		
				7.	COM	MEN'	TS					
Suggestion			125.0									
Remarks				<del>-</del> . • • •								

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NTN-045- (1 / 1)

°Z	Registered No.	Description	Tvne	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-1		Radio Eq							
-		SSB Transceiver	IC-M700		ICOM	1996			PooD
1-2		VHF System VHF Transceiver	IC-M50		ІСОМ	1996			Good
2 2-1		Tower & Antenna System Antenna System VHF Antenna				1996			pooD
2-2		Antenna Selector Antenna Tuner	AT-120			1996			Good
3-1 2-1 2		Power Supply Equipment UPS & AVR Battery Charger (x2) Battery (x2)	NS 12V/200AH BC 2415N		Lancer	9661 9661			PooD
3-1		Engine Generator Engine Generator	TS-50		Yanmar	9661			Good
<u></u>									
						,			
							, 122 7 32		
Tanjung	Tanjung Pinang								

# STATUS OF TROUBLES

SITE NAME: NATUNA

NTN-45-(1/1)

Item / Equipment	-/-		
Manufacturer	ı		
Manufacturer in year	ŧ		
Defective panel / unit	1		
	Cause doe to:		Repairing to be:
	☐ Aging		□ Immediacy
Details of Trouble Status	☐ Lightning	e de la constante de la consta	☐ By next year budget
Details of Floudic Status	□ Corrosion	Organicy of repair	☐ By next project
	☐ Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:			
Natuna Coast Station only completed by 1 Unit T will can not be operationed.	ed by 1 Unit Transceiver HF and 1 Unit	VHF Transceiver, so if there is tr	ransceiver HF and 1 Unit VHF Transceiver, so if there is trouble with the above equipment, it
Connecting to the above condition,	Connecting to the above condition, we request for spare equipment of Transceiver HF (1 Unit) and Transceiver VHF (1 Unit)	sceiver HF (1 Unit) and Transceiv	er VHF (1 Unit)

## NTN-045-(1/1)

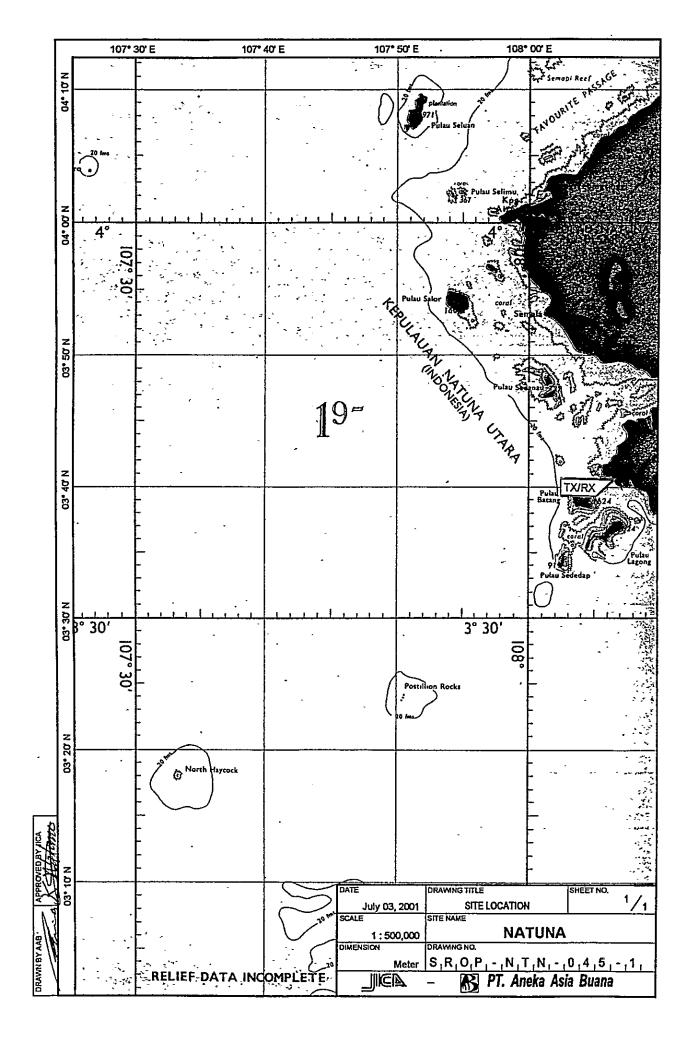
## OPERATION SCHEDULE

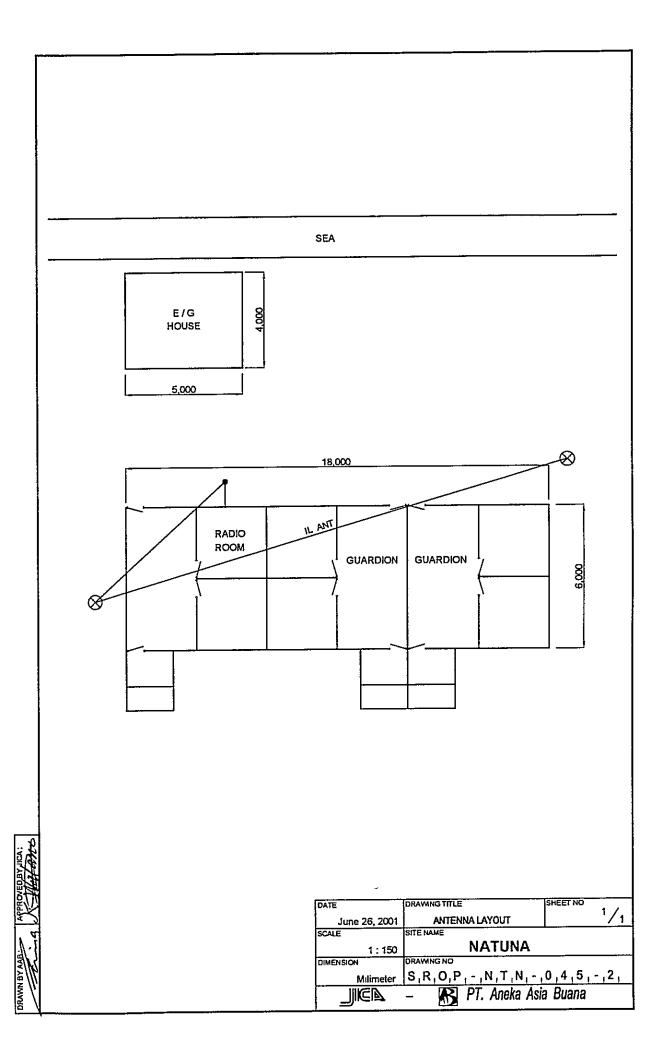
Site Name: Natuna

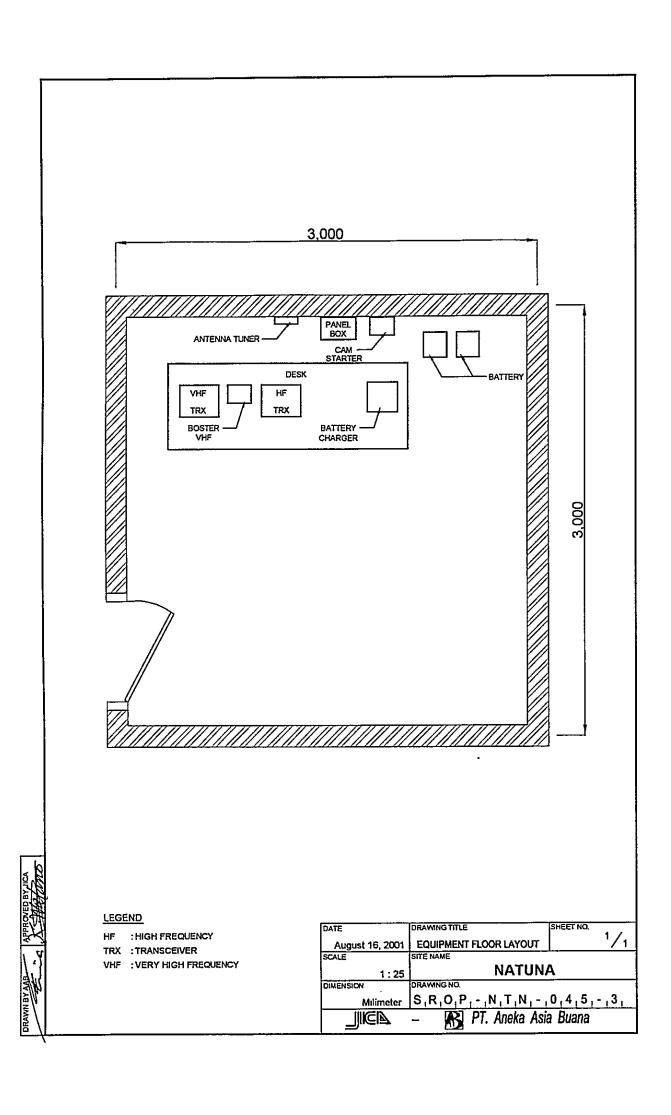
(FREQUENCIES)

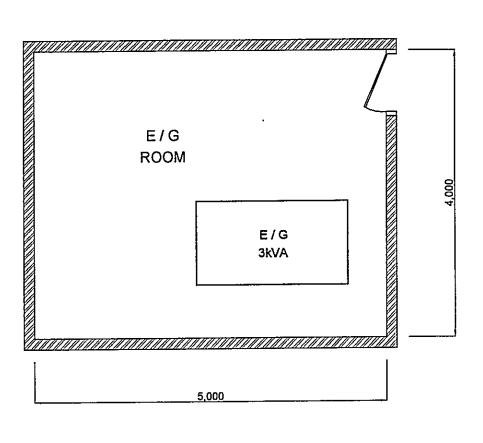
Call Sign: Mobile Service: Fix Service :

REMARK 75 23 ß 7 20 9 48 16 5 12 2 8 8 20 8 92 94 ខ **⊣** 8 10 POWER (W) 150 150 150 150 25 EMISSION G3E FREQUENCY (KHz) Mobile Service 2 182,0 6 215,0 VHF Service Channel-16 5 316,0 6 926,0 4 055,0 Fix Service 2 2 2 2 T | 01 100





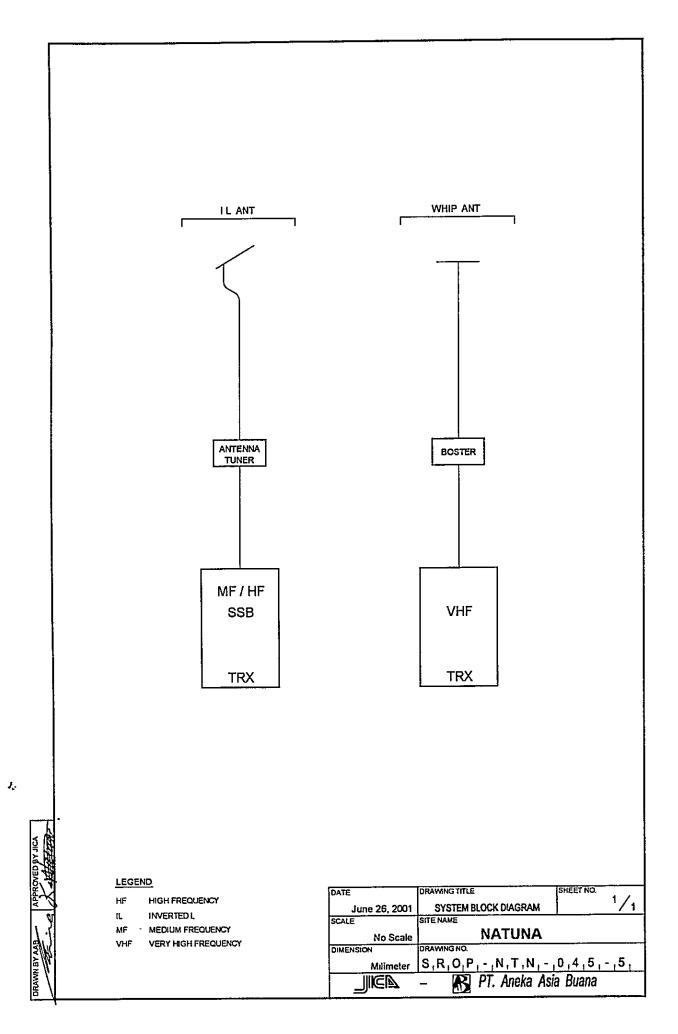


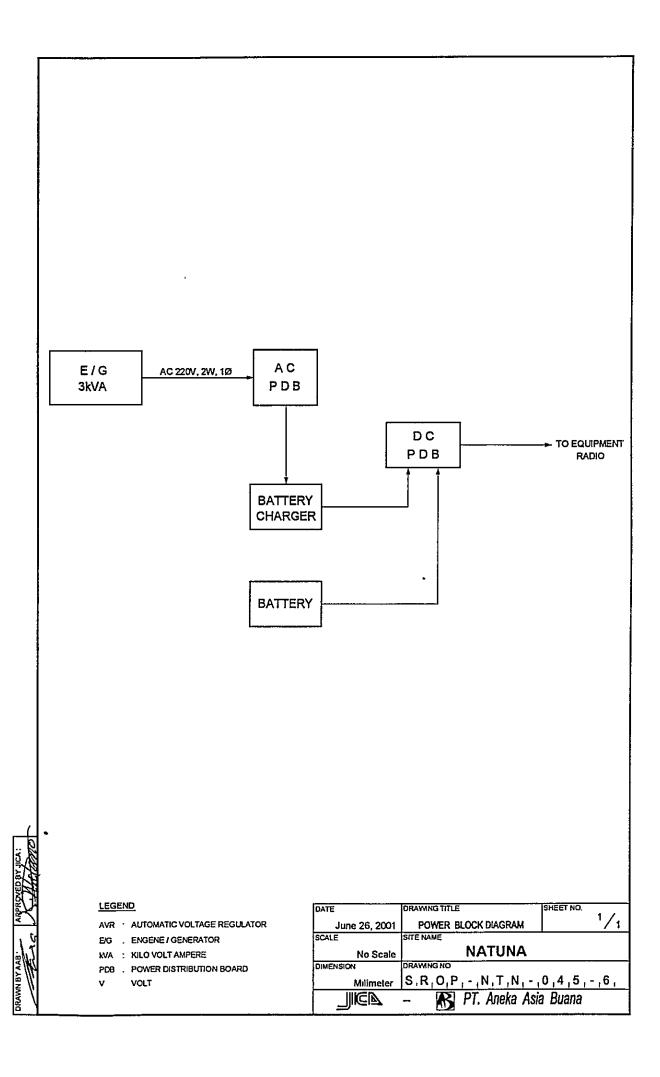


## LEGEND

E/G : ENGINE GENERATOR kva : KILO VOLT AMPERE

DATE	DRAWING TITLE	SHEET NO	1 /
June 26, 2001	E/G FLOOR LAYOUT		<u>'/1</u>
SCALE	SITE NAME		
1;50	NATUNA		
DIMENSION	DRAWING NO		
Milimeter	S,R,O,P,-,N,T,N,-,	0,4,5,	- ,4 ,
	– R PT. Aneka Asia	a Buana	





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

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

2ND CLASS DISTRICT NAVIGATION AREA (6) TELUK BAYUR

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

## 2nd Class District Navigation Area (6) Teluk Bayur

### **Table of Content**

DI\$NAV	6	Teluk Bayur	2nd Class
SROP	46	Teluk Bayur	2nd Class
DROI	47	Air Bangis	4th-B Class
	48	Sipora	4th-B Class
	49	Siberut	4th-B Class
	50	Sikabaluan	4th-B Class
	51	Sikakap	4th-B Class

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

# 2nd Class District Navigation Office (Area-6) **Teluk Bayur**

### **Table of Content**

	Summary of Coast Station Inventory Status of Trouble Operation Schedule (Frequencies) Site Location Antenna Layout Equipment Floor Layout E/G Floor Layout System Block Diagram Power Block Diagram
Not	e :
$\checkmark$	Available in this list
X	Not Available in this list
	Unnecessary in this list

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

SUMMAR	Y OF	DISNA	V						SIT		TE	LUK			
	· · · · · · · · · · · · · · · · · · ·								CL.	ASS	<u> </u>	2nd		O.	6
1. LOCATION		<del></del>						γ .			<del></del>		-	¥	
Jl. Banjar Masin NO.	Address	2017			761		4		Fax	1	Longi	tude "	-	Lati	ude "
Dr. Danjar Wasin NO.	Z, Teluk I	5ayui 23217			0751-	0288	4	0/5	1-62884	<u> </u>			+		· · ·
			<u>}</u>							<u> </u>					
2. GENERAL			100											<del></del>	
	from Jal				cess fr	om P	_		d Traff	ic		mmo	dation	Pop	ulation
By Air to Padang		ng time: <u>02,00</u> h						Heav			☑ H		<del>~~~</del>		
By car to T. Bayı	ur [laku	ng time: <u>01:00</u> h		•			-	Medi			ΠМ	otei		┼	
				Jnpa	aved re	oaa		Light None			-			+	
						_			;		l	- D C		1 1	<del></del>
		DITIONS	OF D	DIS	NAV	OF	FIC	E			<u> </u>	Kei	er to a	ittached	drawing
3.1 Site Conditi	ions														
Topography		Nature							aster of s	ite			tion of	existing	g system
☑ Flat		ry soil			estone	;	□ FI				Yes	No			
☐ Slope		,		Grav			□ FI						Anten	-	<u> </u>
☐ Hill-top	,			Roc	ky		4		akage		므			s (Mas	
☐ Basin		lay					□G	round	Subside	ence	므			ding sy	
□ Valley		andy					-							ing sys	
Altitude	-		m				☐ ☐	****	one Lin					Cable	way
Land area	1		m²					1	Line			<u>M</u>	City w	ater	
3.2 Buildir								3,3	Powe	r So	,				
	tructions			4	PLN	Sou			E/G		<del></del>		Powe	r Conc	litions
Num. of story			Volta				V			V	Good				
Structure			Phase								므				System
Type of roof	ļ		Wire		··						므			ons of	
Type of ceiling			kVA				4 m 7 h	<u> </u>			<u> </u>		_	ons of	
Type of wall						lity o	f PLN				-		y 01 1t	el for	
Wall finish			Fluctu					V ±		<del>-</del>	Day t		<del> </del> -		Liter
Flooring	<u> </u>		Availa								Main				k Liter
	Area (m²	•)	Power					_		imes				by Sys	tem
Operation room E / G room		<del></del> .	Total							lours lours	H		le Syste I Syste		
Remark	! !		Max.	inter	rpt. no	ours a	it once	<u></u>	F.	iours	<u> </u>	Dua	ı Syst	3111	
Remark															
L	ţ														
4 00	TOTAL A CON	CONT A NOO 1	A ID	וידיו	CBIA1	NT/TE			E D	EDC		TTOT 1	EOD	BALATE	IONS
		ON AND I				NCI	<u>ك</u>		5. F.	EK3	ONT		run	IVIA I	IONS
Restoration flow	Actions t	aken in equi	pment	rau	iure				Chief						
Examples of major failur	709									or (el	rillad)		0		
Sufficiency of spares									Operator (skilled)			17	0		
	is of dam	2006	F.	nvir	onme	ntal	Condi	tions	Technician (skilled) Administrator			-	<u> </u>		
	IS OF GAIN	ages				iitai	Cond	itions	/ Kullini	1311 411	<i>-</i>				
☐ Heavy rainfall							<del></del>								
☐ Lightning			-   ₽				lution		lotal						
Other calamity						<u>. pu.</u>									
= Omer carame, ,	Instituti	onal and Hui	nan S	tatu	ıses						Trai	ning	Recor	ď	
1 Budget		☐ Sufficient					Insuffi	icient	Cour	se	Class				Trainee
2 Spares		☐ Enough	□R	teaso	onable	: 🗆	Not er	nough		$\neg$					
3 Measuring eqpt.	/tools	☐ Enough				_	Not er		·						
4 Number of Oper		☐ Enough	□R	teaso	onable	: D	Not er	nough							
5 Number of Tech		☐ Enough	□R	teas	onable		Not er		·						
6 Capability of Op		☐ Skilled	<del>-i</del>		o bad	_	Not ca		+					<u> </u>	
7 Capability of Te	chnician	☐ Skilled		lot s	so bad		Not ca	apable	:						

SUMN	IADV	OF D	TONA	<b>57</b>				SITE	TEL	UK BAY	<del>,</del>	
3014114	IAILI	Or D	IOIA	<u> </u>				CLASS	3 2	nd	NO.	6
		6. STA	TISTIC	CAL CO	MMU	VICA:	TION T	RAFF	IC DAT	ſΑ		
	Mai	ritime Sa	fety			Pı	ıblic Tel	ecomi	nunicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	Telephone		Years	Tele	phone	TG Call
						Call	Minute			Call	Minute	_
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
•				7.	COM	MEN'	TS				···	
Suggestion												
Remarks												

2nd Class Coast Station **Teluk Bayur** (Coast Station No. 46)

### **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)

CTIMANAADY	V OF COAST			SITE	TELU	K BA	YUR				
SUMMAR	Y OF COAST	SIA	HOIL			CLASS	(2n	ıd)	NO.		46
1. LOCATION			···	***							
Station	Address		Tel.		F	ax	Longitud	e	L	atitu	ade
TX/RX Jl. Raya Pac	lang Painan KM 13	075	1-751137, (	61377		100			01°	00'	10" S
									*******		
2. GENERAL	CONDITIONS										
	from Jakarta	Site A	ccess from P	ort	Road	Traffic	Accomi	nodati	on 3	Pani	lation
By Air to Padang		r.] 🗆 Hig	· · · · · · · · · · · · · · · · · · ·		Heavy	Hanic	☑ Hotel		7		00,000
By Car to T. Bayur	****	r.] ☑ Pav			Mediu	m	☐ Mote				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
-7	<u> </u>		paved road		Light				_ -		
					None				_ <del> </del> _		
	3. CONDITIO	NC OF	STATIC				F	efer t	o attac	hed	drawing
2 1 Cita Canditi		NS OF	SIAIR	) <u>1</u> 1			1		o una		<u> </u>
3.1 Site Condition		00.0		T =	4 11		1	4.	<del></del>	<del></del>	
Topography  ☐ Flat		of Soil		-		iter of site	Confirm Yes No		or exis	iting	system
	☐ Dry soil☐ Ordinary		nestone			J.					
□ Slope ☑ Hill-top			avel		ood Ti in Lea				enna vers (N		
□ Basin	— эы,	⊔ Ko	cky			skage Subsidence			unding		
☐ Valley				G	ounu i	Subsidence			ntning		
Altitude	□ Sandy 170.00	M		TC.	Janha	ne Lines			der Ca		
Land area	3,314			<b>☑</b>	2	Lines			water		<u>vay</u>
		111						City	Water		
	g Conditions	-	DI M Co.		3,3	Power So	<del>,                                     </del>	D-	C	'and	:4:
	ructions	Valence	PLN Sou			E/G 220 V	Existi Good Bac		wer C	ona	nions
Num of story Structure	One Concrete	Voltage Phase	220	3		220 V	<u> </u>		~~ C	C	System
Type of roof	Concrete	Wire		4			<del></del>			of E	
Type of ceiling	Concrete	kVA	1,	6.5		7.5			ations		
Type of wali	Brick	K V A	Quality (		coure		Capa				
Wall finish	Mortar	Fluctuati		01 1 1/11	V ±		Day tank			20 1	
Flooring	Tile		ity of power	r ner ds	_		Main tan				k Liter
<del></del>	Area (m²)		terruption /		*/	2 Times			d-by		
Operation room	96.00		erpt. hours			10 Hours			ystem		
E / G room	36.00	<del></del>	erpt. hours a			6 Hours		ual Sy			
	New building has been							uu. U	5.0		
				, p			<b>,</b> • • • • • • • • • • • • • • • • • • •				
<u> </u>			·········			· <del></del>	***				
4 OP	ERATION AND I	MAINT	ENANCI	r	I	5. PERS	ONNE	L FO	DM/		ONS
	Actions taken in equi					J. I DIG	OMME		/RX	777	OND
Restoration flow	Actions taken in equi	pinene ra	ildi C			Chief		12	1		
Examples of major failur	re					Operator (s	killed)	20	(16)	<del> </del>	0
Sufficiency of spares						Technician			9 (2)		Ŏ
Record	s of damages	Envi	ironmental	Condi		Administrat			2		
☐ Heavy rainfall					*******					-	
☐ Storm		Ø	□ Extern	al noise	es	Total		1	32		
☐ Lightning		<b>Ø</b>	☐ Air po						-		
☐ Other calamity			1					1		1	
Institutional and Human Statuses							Trainir	ıg Rec	cord		
1 Budget	☐ Sufficien	t  □ Rea	sonable 🗹	Insuffi	cient	Course	Class	Locat	ion Per	riod	Trainee
2 Spares	☐ Enough	☐ Rea	sonable 🗹	Not en	ough				1	i	
3 Measuring eqpt /			sonable 🗹				1	$\Box$			
4 Number of Oper		gh ☑ Reasonable ☐ Not enough								ì	
5 Number of Tech		h □ Reasonable ☑ Not enough						<u> </u>	í		
6 Capability of Op				Not ca						<u>!</u>	
7 Capability of Tec	chnician  ⊠ Skilled	□ Not	so bad	Not ca	pable						

SUMN	IARY	OF C	OAST	STAT	LION			SITE	_	UK BA		
		<u> </u>	<u> </u>	<b>D</b> 111				CLASS	(2	nd)	NO.	46
		6. STA	TISTIC	CAL CO	MMU	VICA:	TION T	RAFF	C DAT	ſΑ		
	Mai	ritime Sa	fety			Pu	blic Te	lecomn	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
				7.	COM	MEN'	TS				<u>.</u>	
luggestion		for telephon	e call facilit	y.						· · · · · · · · · · · · · · · · · · ·		
Remarks							·		•			

Condition	Good Damaged Good Good Good	Damaged	Good	Good		
Maintenance Record						
Reference						
Date	1985 1962 1989 1977	1982	1989	1985	-	1985 1989 1996
Manufacturer	Phillips Phillips Icom Furuno Yaisu ICOM	JRC	Furuno	JRC Philip	JRC	M'naga Vedio AEC
Serial No	352214472571 352214472581 01269 5152503	1	1	•	1 1	
Type	MC-2908/S03 MC-2908/S02 IC-M700 NS-11 FT-80C IC-M710	JSS-270	FM-400 IC-M59	NRD-92 R-7000	1	3 KGX PS 8930 -
Description	Radio Equipment MF/HF System Transmitter (A1A) Transmitter (A1A) HF SSB Transceiver HF SSB Transceiver HF SSB Transceiver	Operator Console/Desk/Rack Radio Console (A1A & 13E)	VHF System VHF Transceiver VHF Transceiver	Receiver Receiver Receiver	Tower & Antenna System Tower & Mast Steel Frame Pipe Tower (Pyramid)	Power Supply Equipment UPS & AVR System AVR 30A Power Supply 30A Power Supply
Registered No.						
No	1-1 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	1-2	1-3 1	1-4	2-1 2-1 2-1	3-1 2-1 3-2

Teluk Bayur

Site Name: Teluk Bayur

INVENTORY

Ì							Maintenance	
Registered No.	Description	Type	Serial No	Serial No   Manufacturer   Date	Date	Reference	Record	Condition
m	30A Power Supply	1	,	V.D.0	1989			
3	30A Power Supply	•	•	Naiga	1989			
	Engine Generator							
Ξ	Engine Generator	TF-105H	1	Yanmar	1986			Good
囧	Engine Generator	TF-105H	•	Yanmar	1986			Good
2	Measuring Equipment							
Σ	Multi Tester	YX-361R	1	Sanwa	ı			
占	Frequency Counter	ı	١	Anristu	•			
Ö	scilloscope	•	•	Hıtachi	,			
ž	ega Cycle	1	ı	Edison	,			
Σ	Megger	•	•	Megger	1			
Ž	ulti Tester	AX-303TR	ı	Sanwa	1			
0	Others							
Æ	Air Conditioner	WA 45 AV1	t	Daicool	,			
Ē	r Conditioner	WA 45 AV1	•	Daicool	,			
<	ir Conditioner	•	ı	Daikin	•			
⋖	ir Conditioner	CW-73Y	1	National	ı			

# STATUS OF TROUBLES

SITE NAME: TELUK BAYUR

Item / Equipment	Transmitter / -		
Manufacturer	JRC		
Manufacturer in year	Dec. 1982		
Defective panel / unit	Power Amplifier		
	Cause doe to:		Repairing to be:
	☐ Aging		区 Immediacy
Details of Trouble Status	☐ Lightning	I Irrenous of Dennir	☐ By next year budget
Commission of Tronoise Officials	□ Corrosion	Organicy of tychan	☐ By next project
	国 Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:	act		
de la finalità della			
	1		

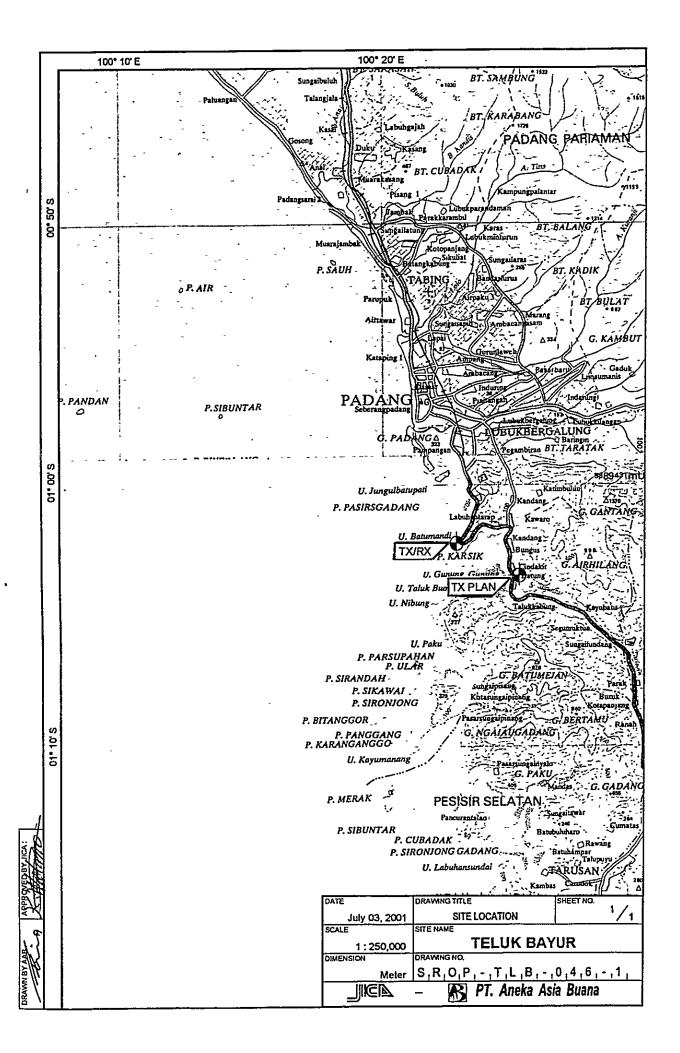
TLB-46-(1/1)

# OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKP.2 Fix Service: 8402

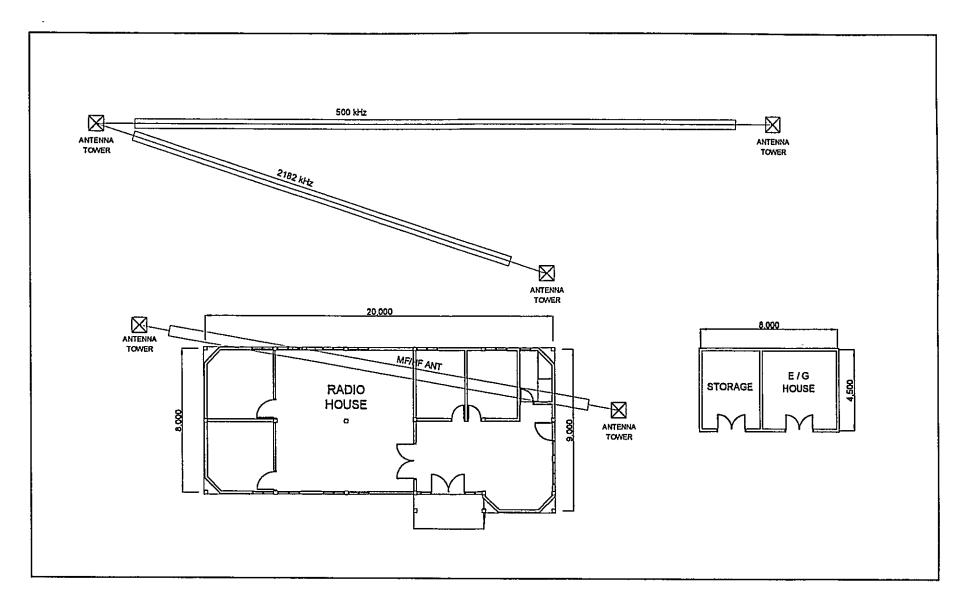
Site Name: Teluk Bayur

	<u>!r</u>														<u> </u>	
REMARK																
UTC  01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24																
POWER (W)	1000	1000	1000	150	150	150	150		25	i		150	150	150		
EMISSION	414	- A1A	A1A	380	JSE	J3E	33E	1			-	J3E	J3E	33E		
FREQUENCY (KHz)	Mobile Service	6.355,0		2 182,0	6.215,0	6.513,0	8 800,0	VHF Service	156 800,0		Fix Service	5 316,0	4 055,0	8 110,0		
		- 21	ო	4	2	ဖ	~	1	8			0	9	Ę	13 15 15 15 17 18	22 23 33 33 33

Opschedule-Teluk Bayur

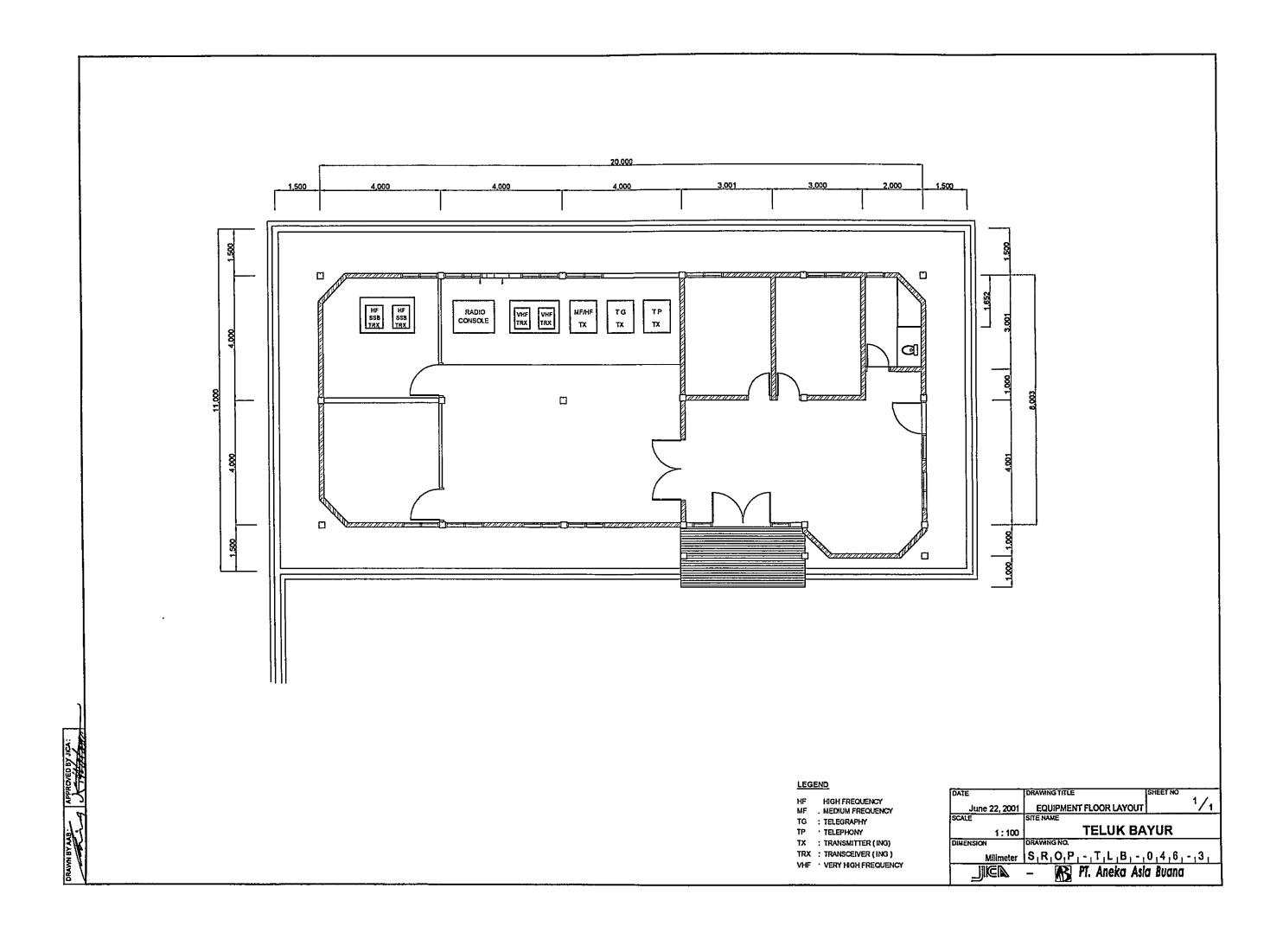


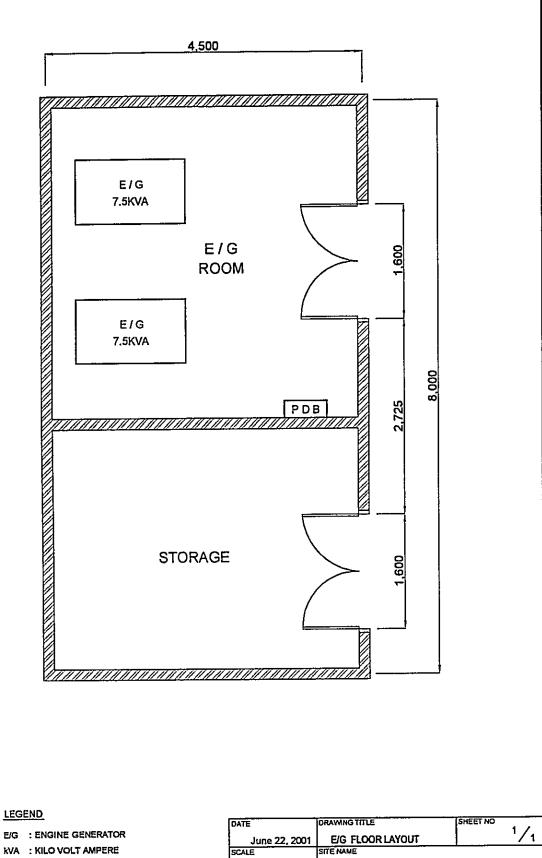
·		



ROAD

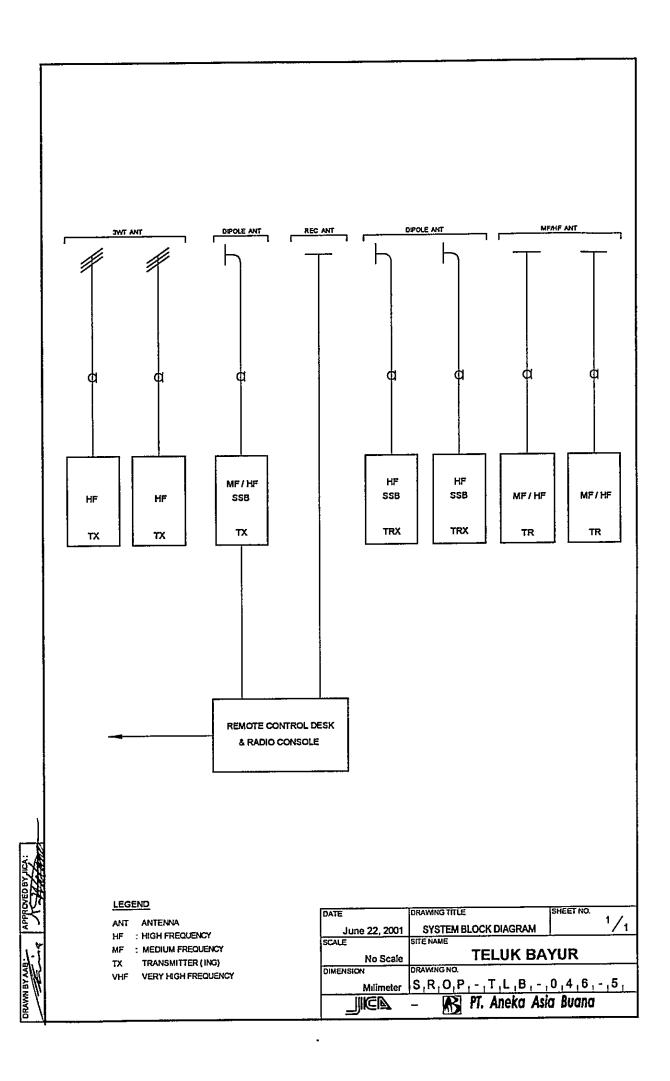
DATE	DRAWING TITLE	SHEET NO
June 22, 2001	ANTENNA LAYOUT	1/1
SCALE	SITE NAME	
1:200	TELUK B	AYUR
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,T,L,B,-	0,4,6,-,2,
	- PT. Aneka Asi	
	<b>TA</b>	

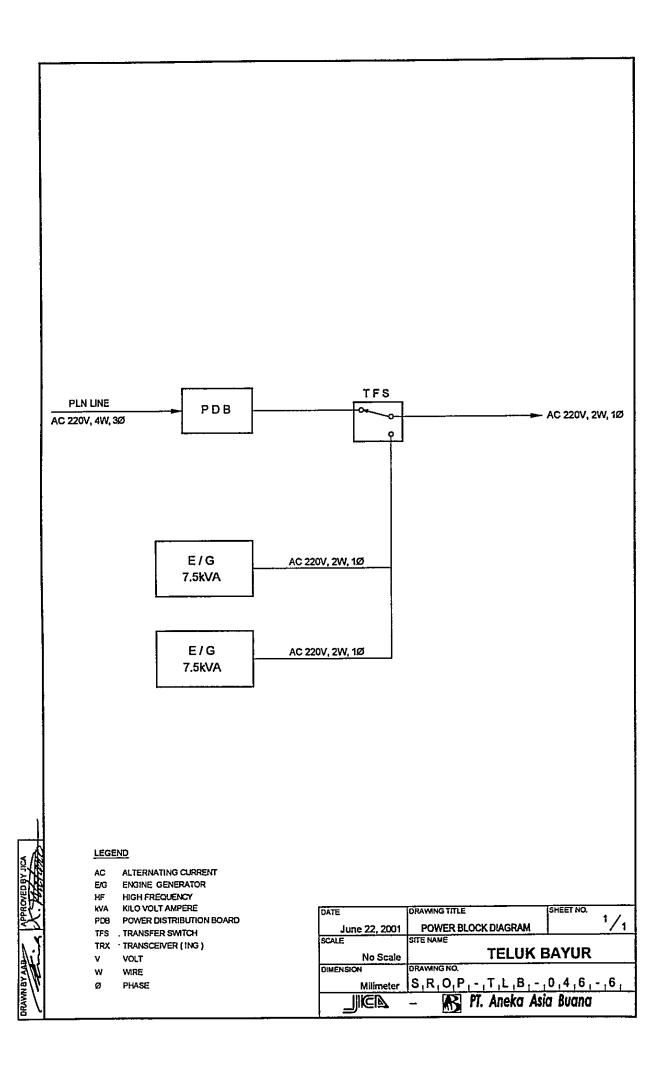




PDB : POWER DISTRIBUTION BOARD

DATE	DRAWING TITLE	SHEET NO
June 22, 2001	E/G FLOOR LAYOUT	'/1
SCALE	SITE NAME	
1:50	TELUK BA	YUR
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,T,L,B,-,	0,4,6,-,4,
	– R PT. Aneka Asi	a Buana





4th-B Class Coast Station
Air Bangis
(Coast Station No. 47)

### **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)

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SUMMAKY	OF COAS	I STA	<b>7.1.1</b>	ON			CLA			th-B		O.	47
1. LOCATION	<del> </del>				<del></del>		1021				<u> </u>	<u> </u>	1 7,
Station	Address	<u> </u>		Tel.	· · · · · · · · · · · · · · · · · · ·	1	Fax	Т	ongit	uda.		T at	itude
	Sungai Beremas - Pasar	nan		I Ci.			TAX.	990		20"	E C		2' 20" N
IMAM All Daligis,	Sungar Determas - 1 asar	11411						99	24	20		1 1	2 20 N
<u> </u>							ŀ				!		
2. GENERAL (	CONDITIONS												
Moving 1	from Jakarta	Site A	Access	from Po	ort	Roa	d Traffi	C	Acco	mmo	dation	Po	pulation
By Air to Padang	[Taking time: 2.00	hr.] 🗆 Hi	ghway	y		Ieavy	<i>'</i>		□ Ho	tel			10,000
By Car to T. Bayur	[Taking time: 1:00	hr.] 🗹 Pa	ved		1 🗆	Mediu	ım		☑ Mo	tel			
By Ahip to Air Bang	is [Taking time: <u>6.00</u>	hr.] 🗆 Ur	ipaveo	l road	ØI	Light							
					[ [	None							
	3. CONDITIO	INS OI	7 ST	'ATIO	N					Ref	er to a	ttache	d drawing
3.1 Site Condition		)110 Ox		21110	21		· · · · · · · · · · · · · · · · · · ·						
	· · · ·	e of Soil			Pos	+ dian	ster of si	40	Conf	·	tion of		g system
Topography  ☑ Flat	Dry soil		imesto		□ Flo		ster or si	te	Yes	No	uon oi	existi	ig system
	1	_	unesic ravel		☑ Flo		:		<u> </u>		A - 4	<del></del>	
, -		_			I .						Anten		
•		⊔ K	ocky				akage				Tower		
	C,				LJ GR	ouna	Subside	nce	N	•	Groun		
☐ Valley	☐ Sandy				<u> </u>				区		Lightn		
Altitude	1,50					lepho	ne Line		亙		Feeder	_	Way
Land area	10,000	m²					Lines			<b>Ø</b>	City w	<u>ater</u>	
3.2 Buildin	g Conditions	-				3.3	Power	Sou	ırce				
Const	ructions		P)	LN Sou	rce		E/G		Exi	sting	Powe	r Con	ditions
Num. of story	Опе	Voltage	Voltage 220 V				220	V	Good I	Bad			
Structure	Concrete	Phase		-	1			1	☑ Power Supply System			System	
Type of roof	Asbestos	Wire			2			2			)perati		
Type of ceiling	Type of ceiling Asbestos kVA 11			11		7.	5			)perati	ons of	AVR	
Type of wall	Brick		Q	uality o	f PLN	sour	ce		Car				engine
Wall finish	Mortar	Fluctua				ν±			Day ta				Liter
Flooring	Tile	Availab	ility o	f power	per da				Main t		1		k Liter
	Area (m²)	Power i				7	20 Ti				tand-	hv Sv	
Operation room	13.50					+-	80 H		豆		le Sys		
E/Groom			Total interpt. hours /month  Max. interpt. hours at once					ours	9 - 7				
Remark		prian. III	torpe.	nours a	CONCC		0 11	ours i		שנים	u Systi	-111	
Kimark													
<u> </u>		<del></del>	······································	•									
( ODI	TO A CONTAIN	7.7.4 Y2 Y		4 N T O T					~				
	ERATION AND				<u>.                                    </u>		5. PE	KSC	<u> NNC</u>				IONS
	Actions taken in equ	ipment f	ļ			_	TX/R	<u> </u>					
Restoration flow	<u> </u>						Chief					1	
Examples of major failure	;						Operato					0	<u> </u>
Sufficiency of spares		Environmental Conditions					Technician (skilled)				0	<u> </u>	
	s of damages			nental (	Condit	ions	Admini	strato	r				
☐ Heavy rainfall			Bad	<u> </u>									
☐ Storm			<u> </u>	Externa	·· · · · · · · · · · · · · · · · · · ·	s	Total	<u> </u>				3	
☐ Lightning		Ø		Air poll	lution					1			
Other calamity			1										
]	Institutional and Hu								Train	ing	Recor	d	
I Budget	☐ Sufficier		asona	ble 🗹	Insuffic	cient	Course	e	Class	Lo	cation	Perio	Trainee
2 Spares	☐ Enough	□ Re	asona	ble   ☑ ]	Not en	ough				ı			
3 Measuring eqpt /		_		ble 🖾 1						1		Ī	
4 Number of Opera				ble □						ì		į .	1
5 Number of Techn				ble 🖾 1			-			:			
6 Capability of Ope				ad D						<del>.</del>			1
7 Capability of Tec				ad ☑ 1		_				ı			

SUMM	TADV	OFC	O A ST	CTLAT	PION	-		SITE	AIR	BANGI	S	
2014114	IANI	Or C	UASI	SIA.	LION			CLASS	41	h-B	NO.	47
		6. STA	TISTIC	CAL CO	MMU	VICA'	TION T	RAFF	IC DAT	ΓA		
	Mai	ritime Sa	fety			Pı	ıblic Tel	lecomn	nunicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
					<u> </u>	Call	Minute		ļ	Call	Minute	
1996					1991				1996			_
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995		[		2000			
				7.	COM	MEN	TS					
Suggestion												
Remarks							•		•		<del></del>	

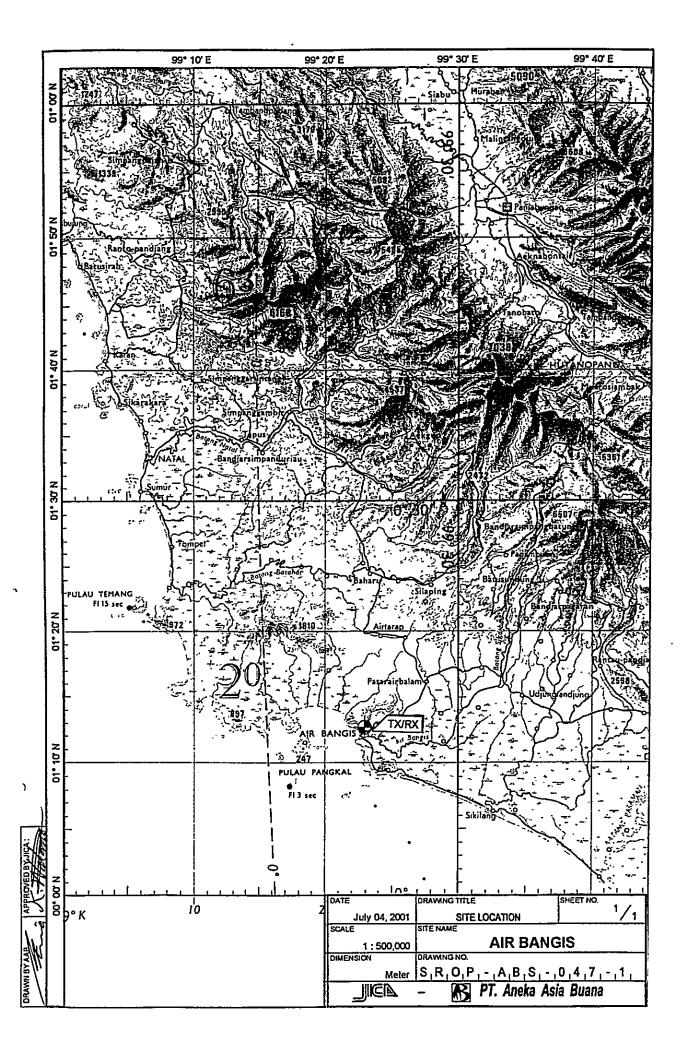
E۱					
Condition	Good	PooD	Good	Good	
Maintenance Record					
Reference					
Date	1995	1998			
Manufacturer	ICOM	Kenwood		Yanmar	
Serial No	•	•		1	
Type	IC-M700	TM-241A		TS-180	
Description	Radio Equipment MF/HF System HF Transmitter	VHF System VHF Transmitter	Antenna System Tower & Mast Antenna pole (2)	Power Supply System Engine Generator Engine Generator	
Registered No.			7.7.7		
No	1 1-1	1-2	2 2-1 1	3-1 1-1	

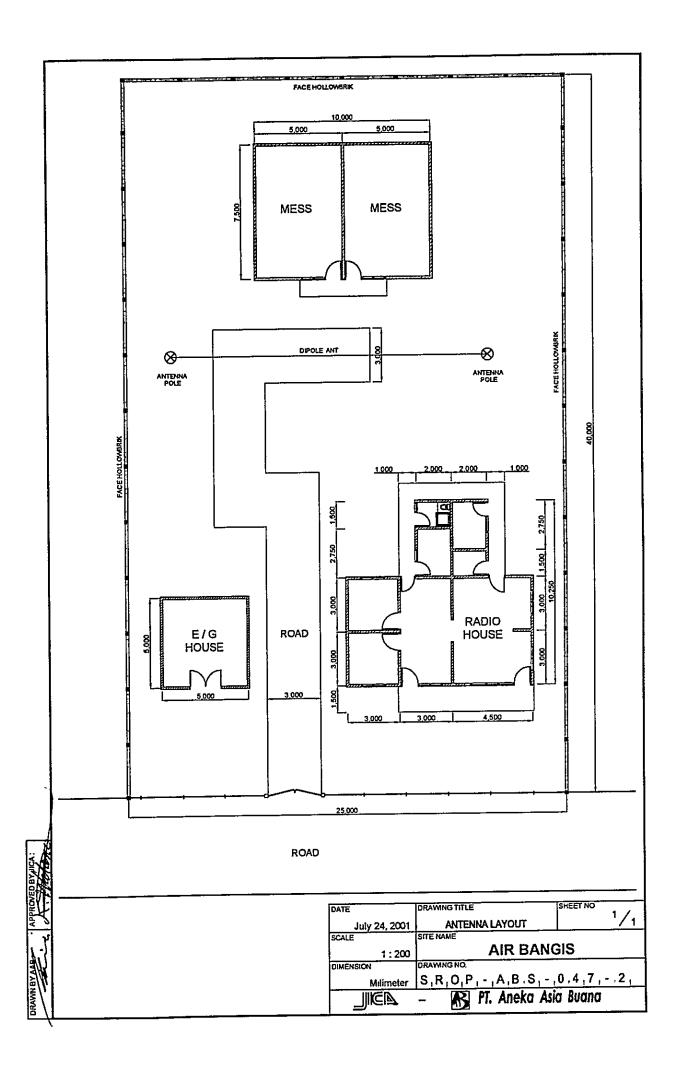
# ABS-047-(1/1)

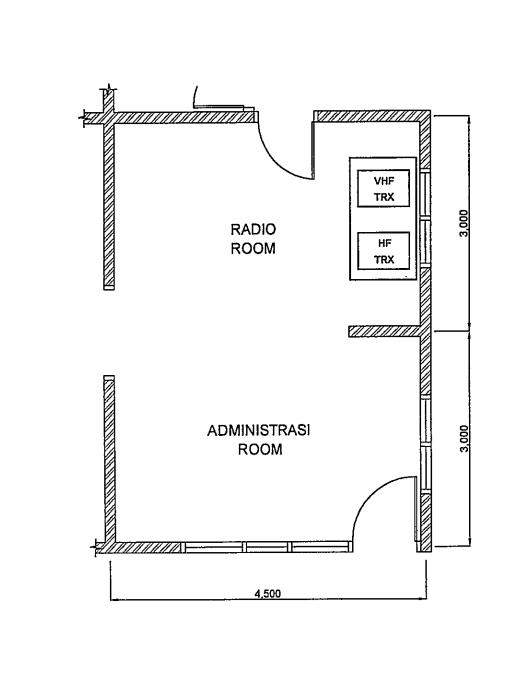
# OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKP.61 Fix Service:

Site Name: Air Bangis

_	FREQUENCY		POWER	UTC	
	(kHz)	EMISSION	(w)	3 14 15 16 17 18 19 20 21 22 23 24	REMARK
_	Mobile Service				
-	2 182,0	JSE	100		
8	3.180,0	J3E	100		
e 1	6215,0	JSE	100		
4	6 513,0	335	100		
	VHF Service				
2	156 800,0	G3E	25		
	Fix Service				
ဖ	5 316,0	J3E	100		
_	6 929,0	J3E	100		
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22					
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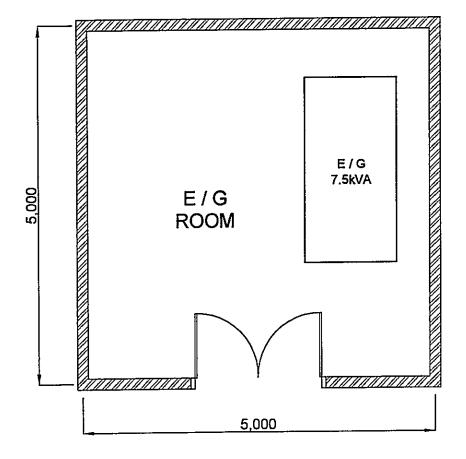
### LEGEND

HF : HIGH FREQUENCY

VHF : VERY HIGH FREQUENCY

DATE	DRAWING TITLE	SHEET NO
July 24, 2001	EQUIPMENT FLOOR LAYOUT	1/1
	SITE NAME	
1:50	AIR BANG	gis
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,A,B,S,-,	0,4,7,-,3
	<ul> <li>PT. Aneka Asi</li> </ul>	a Buana

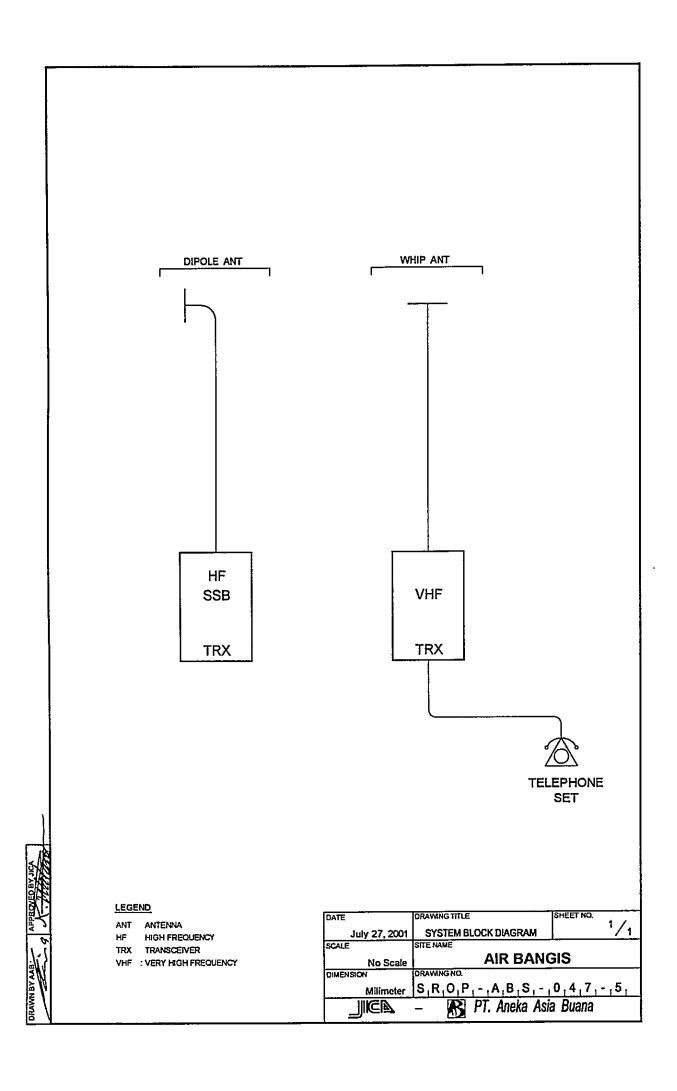
N BY AAB APPROVED BY

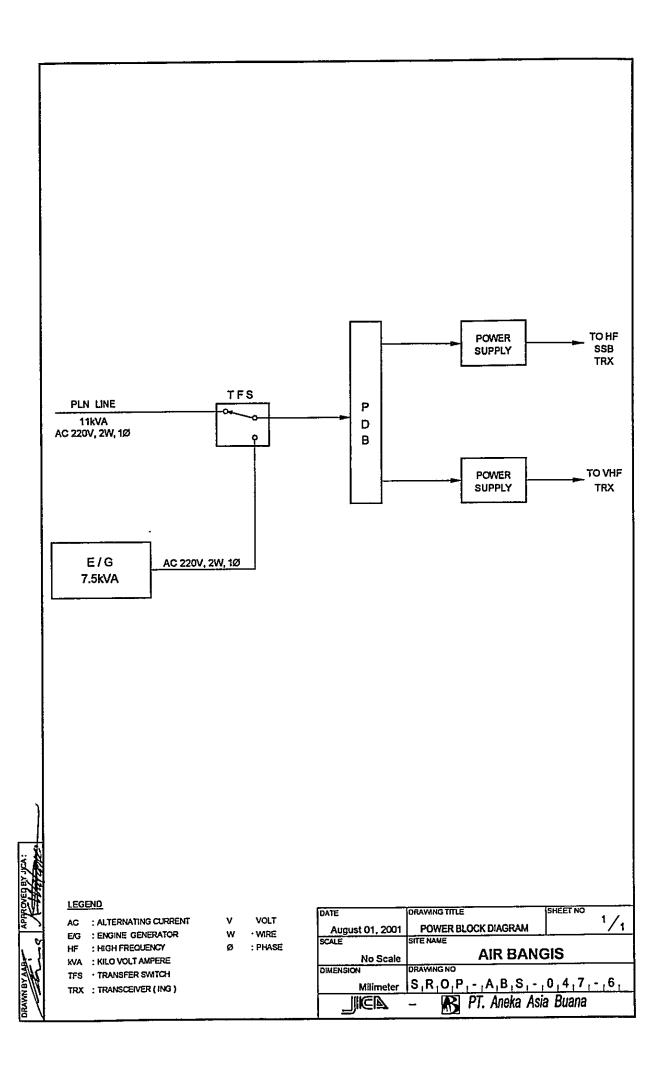


LEGEND

E/G : ENGINE GENERATOR kVA : KILO VOLT AMPERE

DATE	DRAWING TITLE	SHEET NO.
August 31, 2001	E/G FLOOR LAYOUT	1/1
SCALE	SITE NAME	
1:50	AIR BANG	GIS
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,A,B,S,-	0,4,7,-,4,
	- R PT. Aneka As	ia Buana





4th-B Class Coast Station
Sipora
(Coast Station No. 48)

### **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)

								SI		STE	ORA			
SUMMARY	Y OF CO	AST S	TA	TIC	ON			-	ASS		4th-B	N	О.	48
1. LOCATION	Ţ	·												*
Station	Address			-	Tel.		]	Fax	l 1	Longi			Lati	
TX/RX Desa Si Ub	an -Sipora - Mente	wai	Τ						99	° 43'	43"	E 0	2° 11	' 12" S
2. GENERAL	CONDITION	JS			•									
	from Jakarta		Site A	cress	from P	net	Ros	d Trafi	īc	Acc	ommo	iation	Pon	ulation
By Air to Padang		2,00 hr.] [				_	Heavy		-	Пн			1	2,000
By Car to Ti Bayu		1:00 hr.]			<del></del>		Medi			ØM				
By Ship to Location		8:00 hr.] [			road	_	Light			1				-
- 10 2000 I							None			1			1	
	3. COND	Priorie	ΩE	CT.	A TITO					<del>                                     </del>	Ref	er to a	ttache	d drawing
2 4 5'4 6 1'4'		LITONS	Ur	317	ALIU	11				<u> </u>	1011			1 GIGWAI
3.1 Site Conditi		7				1 70	. 11		-*4-	I C.	<u> </u>	6		
Topography		Vature of						ister of	site	Yes	nrmat No	100 01	existing	g system
☑ Flat	☐ Dry soil			nestoi	ne					N I		Anten		
Slope	Ordinary			avel			ood T	Leakage					s (Mas	+0)
Hill-top	☐ Swampy	L	Ko	cky				akage Subsid		븜			ding sy	
□ Basin	□ Clay ☑ Sandy					J	топпа	Subsid	ence	늡			ing sys	
□ Valley	☑ Sandy	1.60.34				T.	alaab	T :		<del>       </del>			Cable	
Altitude Land area		1.50 M m <sup>2</sup>				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ciepiic	one Line Line		믐	_	City w		way
		<del></del>				<u> </u>	2.2					Jily W	atei	
	ng Conditions	<u> </u>		1			3.3	Powe	L 20	,	• .•	<u> </u>		1***
	tructions	<u> </u>	4.	PL	N Sou			E/G	v	Good		Powe	r Con	ditions
Num. of story	One		ltage			V			<u>v</u>				C	Contant
Structure	Concrete	Ph		-	-					<del></del>			ons of	System E/C
Type of roof	Asbestos	Wi												
Type of ceiling Asbestos			Quality of PLN sour										ons of	
Type of wall	Brick				iality o	H PLI						7 01 11	iei ior	engine Liter
Wall finish	Mortar		ctuati		<u>.                                    </u>		V±			Day t	_	┼		
Flooring	Tile				power		ау		Hours Times			tond	by Sys	k Liter
	Area (m²)				ption /									tem
Operation room	6.0		Total interpt. hours /month  Max. interpt. hours at once						Iours	급		le Syste		
E/Groom		μма	x. int	erpt. I	nours a	t once	<u>;   </u>	1	Tours	<u> </u>	Duai	Syste	em	
Remark														
							<del></del>							
,								1					2616	
	ERATION A					<u> </u>		5. P	ERS	ONN				IONS
	Actions taken in	ı equipm	pment failure								_   _ ]	TX/R	<u> </u>	
Restoration flow								Chief			_		_	
Examples of major failu	re		<del></del>					Opera					$\frac{\circ}{\circ}$	0
Sufficiency of spares			Environmental Conditions					Technician (skilled) Administrator				0		
	s of damages				ental (	Condi	tions	Admir	ustrate	or				
☐ Heavy rainfall			Good	Bad			<u>.</u>							
☐ Storm					Externa		es	Tota	11					
☐ Lightning			Ø		Air pol	lution								
☐ Other calamity								_		20	<u> </u>			
	Institutional an				1. 157	T OT		Cour		Clas	ining !			Trainee
1 Budget		fficient C						_	se	CIRS	LO	cation	renou !	Tramee
2 Spares	□ En			sonab	le 🖾	Not er		<del></del>					<del>                                     </del>	<del> </del>
3 Measuring eqpt.					le 🗹				$\dashv$				<del>-</del>	<del> </del>
4 Number of Oper 5 Number of Tech		_~_			le 🗹			<del></del>	-+	···	<del>-  </del> -		<del>                                     </del>	<del>                                     </del>
6 Capability of Op				so ba		Not ca			- +		$\dashv$		<del> </del>	<del>                                     </del>
7 Capability of Te				so ba		Not ca			+				<del>'                                    </del>	<del> </del>
Le rapadinity of Ter	CHILDIAN I SK	1144 J	- 4101	30 U	ستو يو.		-2000	ł						

SUMN	FADV	OFC	O A ST	CTA	TION	ſ		SITE	SIPC		, , , , , , , , , , , , , , , , , , ,	
2014TIA	TVXIV I	OF C	OASI	SIA.	LION			CLASS	41	h-B	NO.	48
		6. STA	ATISTIC	CAL CO	MMU	VICA'	TION T	RAFF	C DA	ГА		
	Maı	ritime Sa	fety			Pυ	blic Te	ecomm	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	Telephone		Years	Tele	phone	TG Call
					] [	Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
				7.	COM	MEN'	TS					
Suggestion					·							
Remarks	Operated	by Adpel	·									

Site Name: Sipora

INVENTORY

SPR-048- (1 / 1)

Description
IC-M700

Teluk Bayur

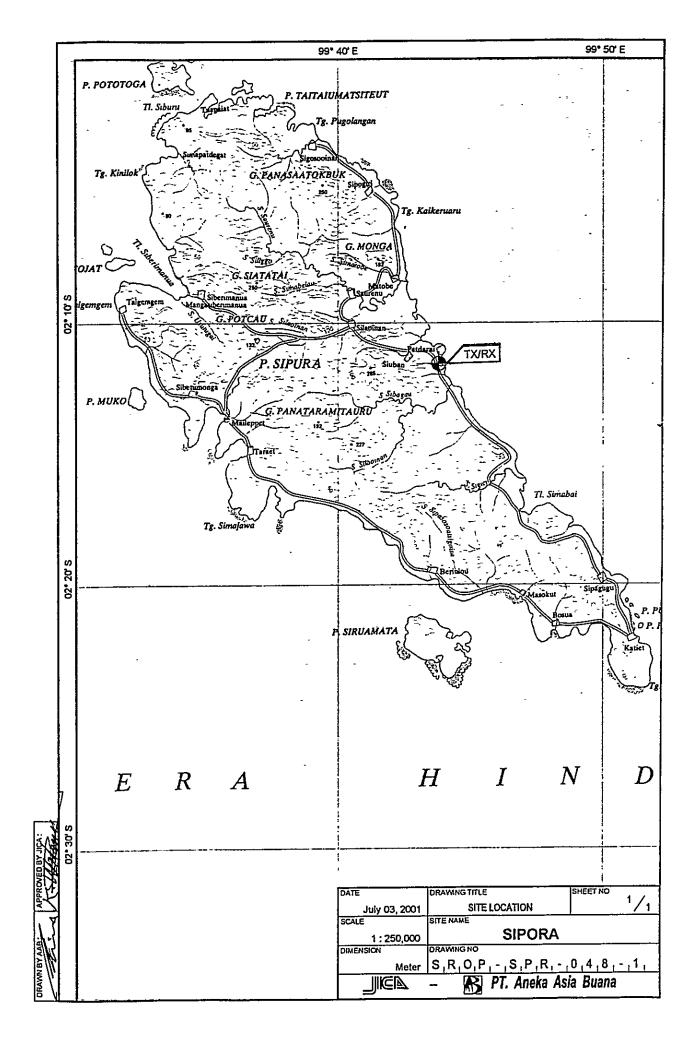
# SPR-048-(1/1)

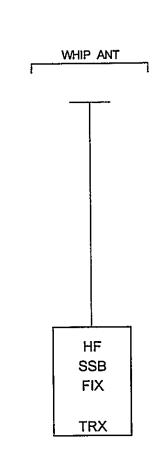
# **OPERATION SCHEDULE**

Site Name: Sipora

(FREQUENCIES)

Call Sign: Mobile Service: Fix Service:



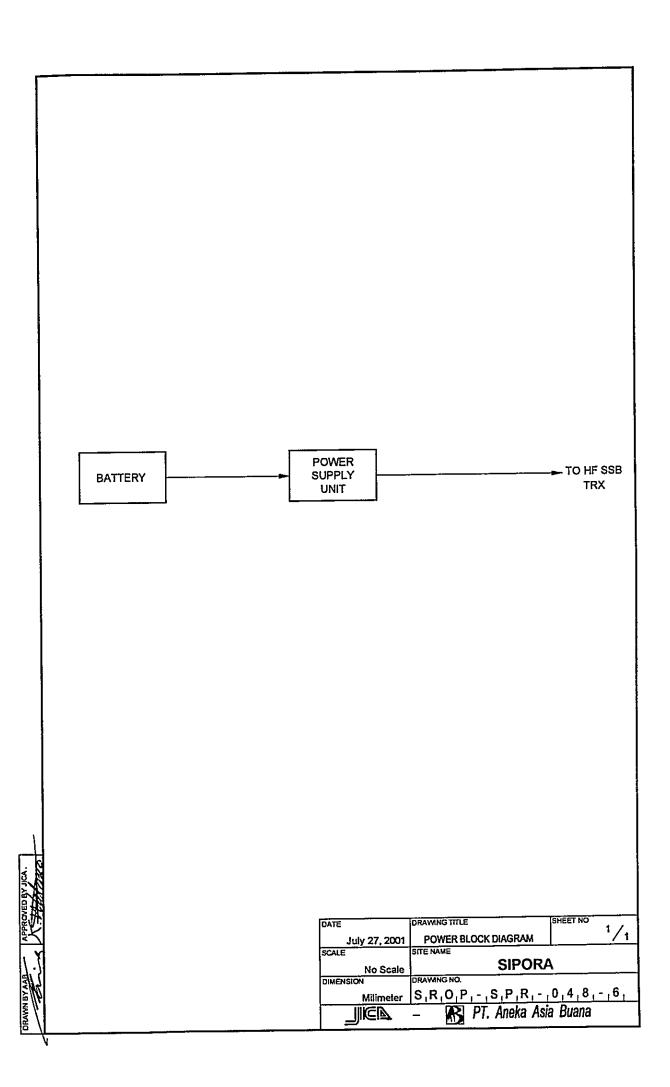


### LEGEND

ANT : ANTENNA

FIX : FIX COMMUNICATION HF : HIGH FREQUENCY TRX : TRANSCEIVER (ING)

DRAWING TITLE	SHEET NO.
SYSTEM BLOCK DIAGRAM	'/1
SITE NAME	^
	<u> </u>
- PT. Aneka As	ia Buana
	SYSTEM BLOCK DIAGRAM SITE NAME SIPOR DRAWING NO S,R,O,P,-,S,P,R,-



4th-B Class Coast Station

Siberut

(Coast Station No. 49)

#### **Table of Content**

☑ Summary of Coast Station
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 ☐ Status of Trouble
 ☑ Operation Schedule (Frequencies)
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 ☑ 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)

										1				
SUMMARY	Y OF C	COAST	STA	AT)	ION			SIT.		SIBE		NO.	$\neg$	
1. LOCATION						•		CLA	133	1 411	1-B	<u>μνυ.</u>		49
Station	Addre	ee			Tel.		1	Fax	T	ongitud	ie	1	atit	ude
TX/RX	Audic	33			10		†		990			01°	33'	
170101							1							
2 CENTED AT	CONDE	ETONIC												
2. GENERAL			64.	<b>A</b>		n- 4	ъ.	) OF . OF	_	Accom		·   1		7 40.
	from Jaka				s from			d Traffi	<u>c                                     </u>	☐ Hotel		100 1	opı	lation
By Air to Padang	(Taking r (Taking		r.] 🗆 Hi r.] 🗆 Pa		ау		Heav Medi			☑ Hote				1,500
By Car to Tl. Bayu By Ship to Location			≖.] ☑ Fa		d road		Light			IVIOIC	-	— <del> -</del> -		
By Ship to Location	( [taxing	une. <u>0.00</u> 1	u.) E1 ()	праче	u ivau		None	•			•			<del></del>
			1 0				140110			<u> </u>	) - C 4		=	<u> </u>
		ONDITIO	NS O	FS.	IAII	ON				1	Keier	io attac	пеа	drawing
3.1 Site Conditi	ons													
Topography			e of Soil					aster of si	ite	Confirm		of exis	ting	system
☐ Flat		y soil		imest		□ F				Yes N				
☑ Slope		dinary		iravel			lood T					tenna		
Hill-top		ampy	□ R	locky	1	1	ain Le	_	:			wers (N		
□ Basin	☐ Cla	•					iround	Subside	псе			ounding		
☐ Valley	☑ Sar							71				htning		
Altitude		1.50					eleph	one Lines Lines				der Cal		<u>way</u>
Land area		. •	m²								City	water		
3.2 Buildin		tions					3.3	Power	Sot					
<del></del>	ructions				LN Sc		<u> </u>	E/G				wer C	ond	itions
Num. of story	One		Voltag	е	22	20 V	<del> </del>		V	Good Bac			.1 (	
Structure	Concrete		Phase	+		1	<del> </del>							System
Type of roof	Asbestos		Wire kVA	-		2 1	-					rations rations		
Type of ceiling	Asbestos Brick		KVA		)alita	of PL	J cour	-00				f fuel f		
Type of wall Wall finish	Mortar		Fluctua			QI FL	V ±			Day tani		1 Iuei i		Liter
	Tile					er per d				Main tar				k Liter
Flooring	Area (m²)					/month			imes			nd-by		
Operation room	aica (iii )	6,00			<u> </u>	s/mont			ours			System	_	
E/G room		0.00	<del>-</del>			at onc			ours		oual S			
Remark			pvius. II	ittor pr	, IIVais	ou ono			0010		<u> </u>	/		
Actual K														
	•		****											
4 OP	FRATIC	N AND	MATN	TEN	JANC	T.		5. PF	RS	ONNE	L FC	)RMA	TI	ONS
		ken in equi						3.22		<u> </u>		/RX		
Restoration flow		nen in equ	pinetic					Chief						
Examples of major failur	e							Operate	or (sk	illed)	<u> </u>	0		0
Sufficiency of spares								<del></del>		skilled)	i	Ŏ		Ö
Record	s of dama	ges	En	viron	menta	l Cond	itions	Admini	strate	οr				
☐ Heavy rainfal!		-	Good	d Bad							!			
□ Storm			Ø		Exter	nal nois	ses	Tota	1		<u> </u>			
☐ Lightning			Ø		Air p	ollution								
□ Other calamity				1	_			ļ			,			
		ial and Hu						ļ		Traini				
1 Budget		☐ Sufficien						Cours	e	Class	Locat	ion Per	iod	Trainee
2 Spares		☐ Enough				Not e		<del></del>					_	
3 Measuring eqpt./		□ Enough				Not e						+		····
4 Number of Opera		□ Enough				Not e		<del>,</del>						
5 Number of Tech	$\longrightarrow$	☐ Enough				Not e		<del>,</del>	- 1					
6 Capability of Op		Skilled				Not c		·				ı	_	
7 Capability of Tec	nnician	□ Skilled	IN N	ot so	oao  L	Not c	apabie	1						

ettrata/	IADV	OFC	O A ST	STA	rian	r		SITE	SIBE	RUT	, <u> </u>	
OTATIA	MANI	Or C	OASI	DIA.	LION			CLASS	41	th-B	NO.	49
	•	6. STA	TISTIC	CAL CO	MMU	VICA	TION T	RAFF	[C DA]	ΓA		
	Mai	ritime Sa	fety			Pu	blic Te	lecomn	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999	-		•
2000					1995				2000			
				7.	COM	MEN'	rs					
uggestion												
Remarks	Operated	l by Kanpel	Staff		·			<u>-</u>				

Site Name: Siberut

INVENTORY

Condition	Good	•	
Maintenance Record			
Reference			
Date	1995		
Serial No Manufacturer	ICOM		
Serial No	•		
Туре	IC-M700		
Description	Radio Equipment MF/HF System HF Transmitter		
Registered No.			
No	1 1-1 1		

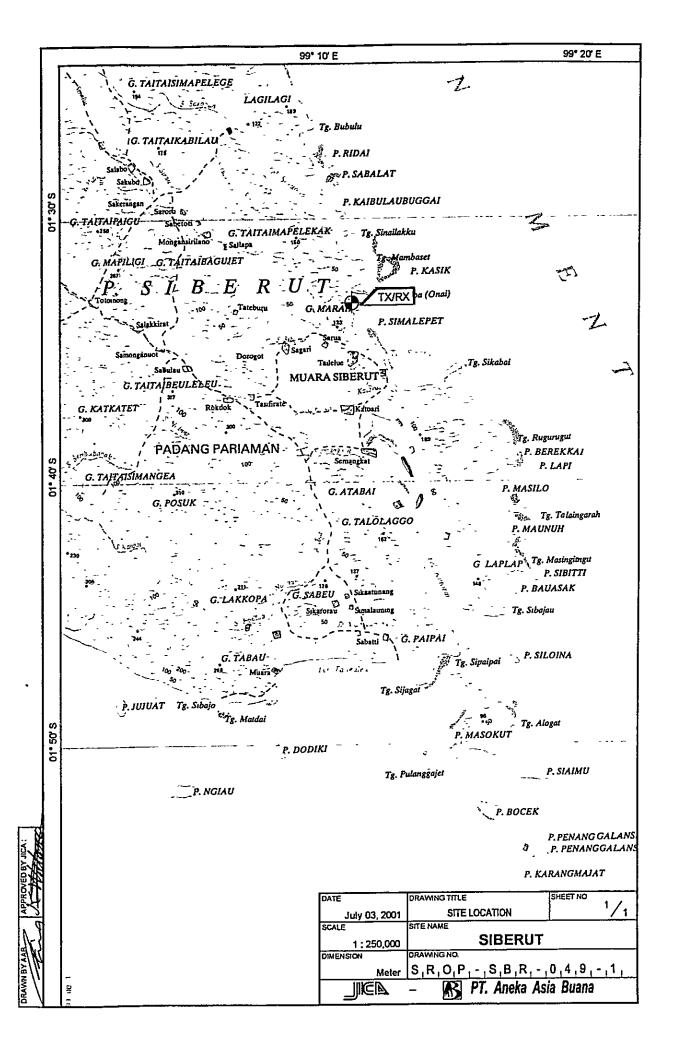
Teluk Bayur

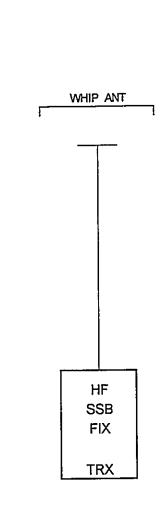
## SBR-049-(1/1)

# OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service : Fix Service :

Site Name: Siberut

F	FREQUENCY		POWER	UTC	
	(kHz)	EMISSION	(W)	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	KEMARK
Œ	Fix Service				
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2	6.926,0	J3E	100		
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3 26					
7					



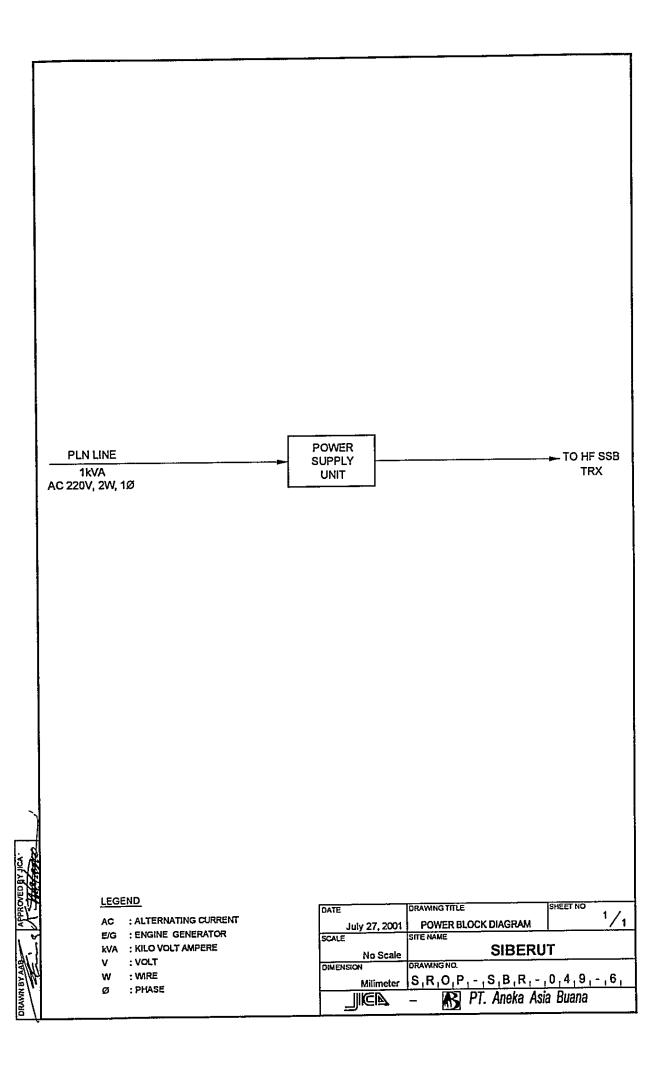


#### LEGEND

ANT : ANTENNA

FIX : FIX COMMUNICATION
HF : HIGH FREQUENCY
TRX : TRANSCEIVER (ING)

DATE	DRAWING TITLE SHEET NO.	1 /
July 27, 2001	SYSTEM BLOCK DIAGRAM	/ 1
SCALE	SITE NAME	
No Scale	SIBERUT	
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,S,B,R,-,0,4,9,	-,5,
	– 🚯 PT. Aneka Asia Buana	



#### 4th-B Class Coast Station Sikabaluan (Coast Station No. 50)

#### **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)

CTIBARA A DI	V OE			~~							SITE		STK	ABA	LUA	N		
SUMMAR	Y OF	COA	121	SIZ	<b>X</b> 11	UN	ł				CLAS		_	th-B	_	NO.		50
1. LOCATION													<u>'</u>					
Station	Addı	ress				Tel.		-		Fax		T.	ongit	ude		Ī.	atitu	ude
TX/RX Sikabaluan			tawai			2011		-			-	980	57'		E	01°	05'	
								1			-				_	**		
2. GENERAL	COND	TION	<u> </u>						-									
	from Jal		<u> </u>	Site	A	from	Dout		Dan	d Tr	-65-	<del></del>	Acco	mmo	detin	_   r		.1.42
By Air to Padang		ng time:	2:00 h	ı] □ Hi	_		ron	<b>├</b>	Roa Ieavy		anic	-	☐ Ho		UHEIO.	<u>"- -"</u>	opu	lation 1,500
By Car to Tl. Bay		ig time:		] $\square$ Pa		<u>y</u>	•	_	/ledit			$\rightarrow$						1,500
By Ship to Location				JØ U		d road	1		ight	7111			1410	, coi		+		
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=======================================	3 C	ONDI	TIO	VIC OI	e Out	' A T'T	ON		100			+		Ref	èr to	attac	had	drawing
3.1 Site Conditi		ONDI	110	12 01	. 51	AII	UN					!		ICI	CI IU	allac	iieu	urawii
<del></del>	ions											- {		-			. •	
Topography ☐ Flat		ry soil		of Soil			_			ster	ot site	*	Yes	No	non o	t exis	nng	system
☐ Flat ☑ Slope		ry son Irdinary			imesto ravel	one	- 1	Flo	oa od T			ŀ	<u> </u>		Anter			
☐ Hill-top		wampy		_	ocky					ide akage	_	ŀ					fact.	-7
☐ Basin		wampy Iay		, r	UCKY					Subs		<u>.</u> . }	<u> </u>		Towe Grou	_		
☐ Vailey		andy					רן	Git	Julia	Subs	naen	-	Ø		Light			
Altitude	3.		1.50	M				Tal	anhe	ne I	inec	$\dashv$			eede			
Land area				m²				1 (1	срис		nes	$\dashv$			City v	*	,1C Y	Tay
3.2 Buildir	or Cond	litione							2 2	Pov		<u></u>		`	J119 1	14(0)		
	tructions				T 101	LN S		. T	3,3	E/C		<del>Ju</del>		ctina	Dani		andi	itions
Num. of story	One			Voltage		LIA 20	vurce V	+		E/C	V	- 1	Good 1		TUW	er C	JHUI	HIOUS
Structure	Concret			Vonage Phase	-		<u> </u>	$\dashv$			<u>v</u>				OWE	Suni	ster S	ystem
Type of roof	Asbesto			Wire	+			+							perat			
Type of ceiling	Asbesto			kVA	+			-				$\dashv$			pera			
Type of wall	Brick	,,,	i		<u> </u>	uality	of P	I.N	SOUR	ce		十			•			ngine
Wall finish	Mortar			Fluctua		<u> </u>			V ±			— r	Day ta		<u>'T''</u>			Liter
Flooring	Tile		—	Availab		fnow	er ne				Ho		/lain 1		1-			k Liter
	Area (m²	·)		Power i					+		Tim			Z/G S	tand	-by S		
Operation room	(	6.00		Total in					╁		Hou				le Sy		3	
E/G room				Max. in					$\top$		Hou				l Syst			
Remark					р													
4. OP	ERATI	ON AI	ND M	IAIN'	ΓEN.	ANC	Œ			5.	PE	RSC	NN	EL J	FOR	RMA	TI	ONS
	Actions t									···-		··			TX/R			
Restoration flow	T T									Chie	ef							
Examples of major failur	e									Ope	rator	(ski	lled)	i		0 1		0
Sufficiency of spares										Tecl	hnicia	ın (s	killed	)		0		0
Record	s of dam:	ages		Env	irone	nenta	l Cor	nditi	ons	Adn	ninist	rator		1			<u>-</u> -	
☐ Heavy rainfall				Good	1	1									_			
☐ Storm		· · · · · · · · · · · · · · · · · · ·		☑	<del> </del>	Exter			<u> </u>	То	tal							
☐ Lightning				Ø		Air p	olluti	on							-			
Other calamity					<u> </u>	<u> </u>								1		1		
<del>, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	Institutio		_									$\overline{}$	Train					
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3 Measuring eqpt./		□ Eno		□ Re								-		+			-	
4 Number of Opera		□ Eno		□ Rea								+				<del></del>		
5 Number of Tech		□ Eno		│□ Rea								+					1	
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O TATTA	LAKI	OF C	UASI	SIA	HUN			CLASS	41	th-B	NO.	50
		6. STA	TISTIC	CAL CO	MMUI	VICA'	TION T	RAFF	C DA	ΓA		
	Mai	ritime Sa	fety	•		Pu	blic Te	ecomn	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
					]	Call	Minute		ĺ	Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
-				7.	COM	MEN	rs					
uggestion												
Remarks	Operated	l by Kanpel	Staff				<del></del>					

Site Name: Sikabaluan

INVENTORY

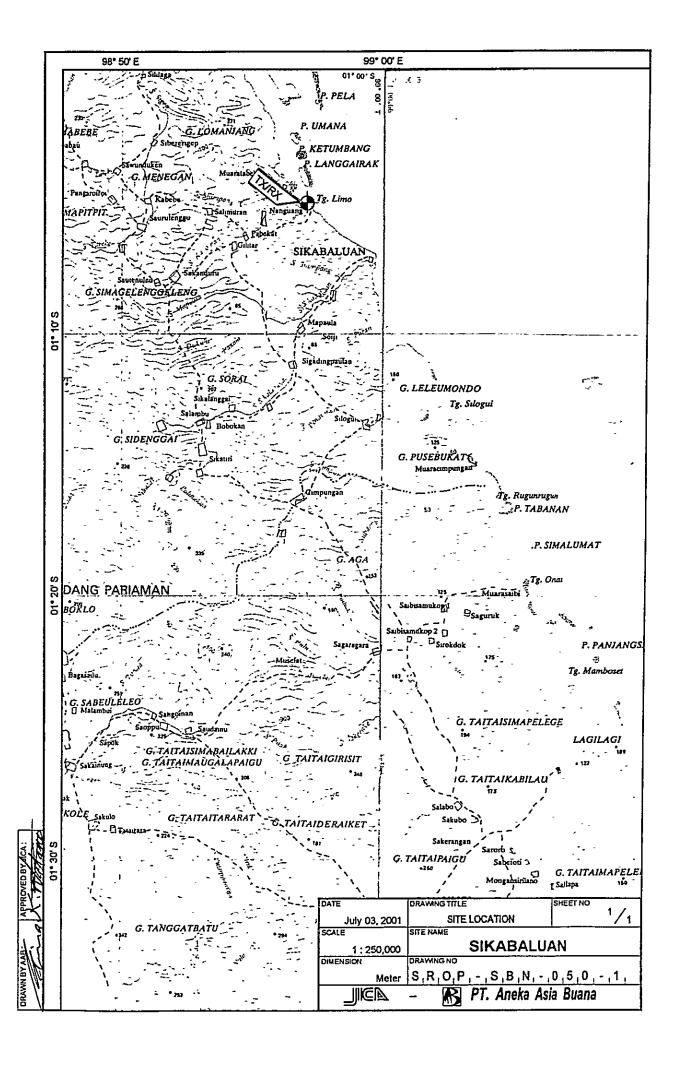
Teluk Bayur

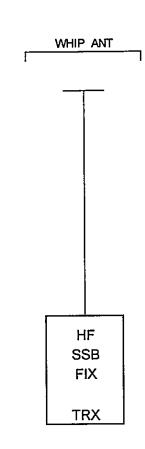
## **OPERATION SCHEDULE**

Site Name: Sikabaluan

## (FREQUENCIES) Call Sign: Mobile Service:

FREGITENCY	)   Oct vice	31	C.L.	
F13	MOISSIME		S. C.	REMARK
(21,111)			01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	
Fix Service				
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2 6 926,0	JSE	160		
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27		*		





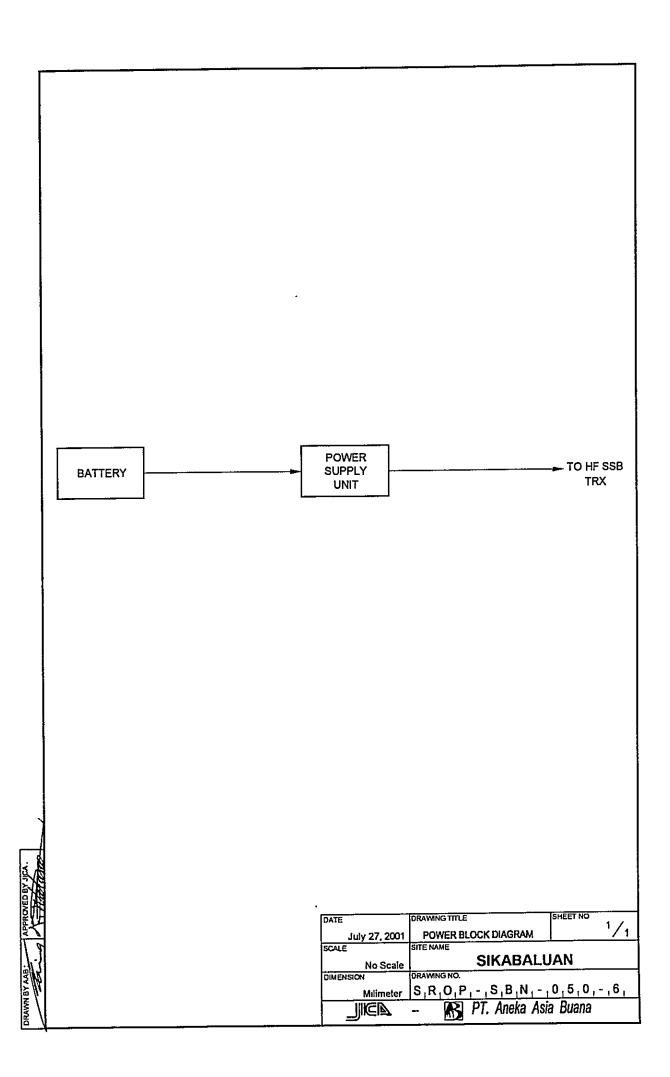
#### LEGEND

ANT : ANTENNA

FIX : FIX COMMUNICATION
HF : HIGH FREQUENCY
TRX : TRANSCEIVER (ING)

DATE	DRAWING TITLE	SHEET NO.
July 27, 2001	SYSTEM BLOCK DIAGRAM	'/1
SCALE	SITE NAME	-
No Scale	SIKABALI	JAN
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,S,B,N,-	
	– 👪 PT. Aneka Asi	ia Buana

WWW BY AAB



4th-B Class Coast Station Sikakap (Coast Station No. 51)

#### **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)

CHINARAAAD	V OE	001		7 A	DOY.				SIT	E	SIK	AKA	P			
SUMMARY	Y OF	CUA	51.5	ΙA	110	N				ASS	_	4th-B		10.		51
1. LOCATION	<del></del>												•			
Station	Addr	ess		L	7	Γel.			Fax	I	ongi	ude	dation   1  fer to attaction of existence   1  Antenna   1  Towers (N Grounding Lightning Feeder Calcity water Calcity water Calcity water Calcity water   1  Fower Sup Operations   1  Stand-by Sup Operations   1  Stand-by Sup Operations   1  Stand-by Sup Operations   1  Antenna   1  FORMATX/RX   1  O O O O O O O O O O O O O O O O O O		atitu	
TX/RX Sikakap-Pa	gai Utara-N	Mentawai								100°	12'	52"	E (	)2°	46'	22" S
																-
2. GENERAL	CONDI	TIONS														
	from Jak			ite A	ccess f	rom F	Port	Ros	d Traff	ic	Acc	mmod	lation	1	ממס	lation
By Air to Padang	Takin		.00 hr.]			2		Heav		16	□н		-	+	Орс	3
By Car to T. Bayu			00 hr.]			··· ·		Medi	•		Ø M			╁		
By Ship to Sikakap			00 hr.] 🔽			road	_	Light						十		
, sarp 10 samp								None						$\top$		
<u> </u>	2 ()	ONDET	TONIC	OF	CT.	A TOY						Refe	er to	atter	hed	drawing
		ONDIT	TON2	OF.	214	7110	JIN				<u> </u>	ICCIC	110	allac	iicu	urawing
3.1 Site Conditi	ons															
Topography			ture of						aster of s	ite			ion of	exis	ting	system
☑ Flat		ry soil			nestor	1e	□ F				Yes	No				
☐ Slope		rdinary			avel			lood 7								
☐ Hill-top		vampy		Ro	cky				akage		므					
☐ Basin	_	ay						Ground	l Subside	nce	Ø					
□ Valley	☑ Sa	ındy									Ø					
Altitude		1.	50 M					eleph	one Lin						_	√ay
Land area			m²						Line			Ø C	ity w	ater		
3.2 Buildir	ig Cond	itions						3.3	Powe	r Soı	ırce					
Cons	tructions				PL	N So	urce	<u> </u>	E/G				nedation   1  Refer to attace mation of existed attace mation of existed attace   Antenna   Towers (Note that the content of t			tions
Num. of story	One			tage		220	V 0			<u>v</u>	Good					
Structure	Concrete	e	Pha	se			1									
Type of roof	Asbesto	s	Wir	e			2	<u>                                     </u>								
Type of ceiling	Asbesto	S	kV≀	4				<u></u>						tion Po to attach n of existi ntenna owers (Marounding sphtning sp		
Type of wall	Brick				Qu	ality	of PL	N sour					of f	uel f		
Wall finish	Mortar		Fluc	tuati	ons	]		V±			Day t		<u> </u>			Liter
Flooring	Tile						er per c			Iours			<u> </u>			k Liter
Room .	Area (m²	)	Pov	ver in	terrup	tion /	/montl	1	T	imes						em
Operation room		6.00	Tot	al inte	erpt. l	iours	/mont	h	H	lours		Singl	le Sy	stem		
E/Groom			Max	k. inte	erpt. h	iours	at onc	e	H	lours		Dual	Syst	em		
Remark																
4. OP	ERATIO	ON AN	D MA	INT	ENA	NC	E		5. P	ERS	ONN	EL I	OR	MA	TI	ONS
	Actions ta								1			-	_			
Restoration flow			1						Chief			$\neg \vdash$				
Examples of major failur	ne l		<del></del>						Operat	or (sk	illed)			0		0_
Sufficiency of spares									Techni			l)		0		()
Record	s of dama	iges		Envi	ronm	ental	Cond	itions	Admin	istrato	or					
☐ Heavy rainfall		<u></u>		Good	Bad											
☐ Storm				Ø		extern	ial noi:	ses	Tota	1		$\neg   \neg$				"
☐ Lightning				Ø		ir po	llution	1								
Other calamity					T											
	Institutio	nal and	Human	Stat	uses				]		Trai					
1 Budget		☐ Suffic	ient 🛘	Reas	sonab	le 🗹	Insuf	ficient	Cour	e	Class	Loc	ation	Per	iod	<b>Frainee</b>
2 Spares		☐ Enou	gh  □	Reas	sonab	le 🗹	Not e	nough	1							
3 Measuring eqpt.	/tools	☐ Enou		Reas	sonab	le 🗹	Not e	nough								
4 Number of Oper		☐ Enou		Reas	sonab	le 🗹	Not e	nough	1					1		
5 Number of Tech		□ Enou		Reas	sonab	le 🗹	Not e	nough						<u> </u>		
6 Capability of Op		□ Skille	d 🗹					apable						!		
7 Capability of Te	chnician	□ Skille	d 🗹	Not	so ba	d 🔲	Not c	apable	;							

SUMM	I A D W	OFC	OAST	CTA	rion	•		SITE	SIK	KAP		
2014TIA	MIL	OF C	UASI	SIA.	LION			CLASS	41	th-B	NO.	51
		6. STA	TISTIC	CAL CO	MMUI	VICA'	TION T	RAFFI	C DA	ΓA		
	Mai	ritime Sa	fety			Pt	blic Te	ecomn	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993		1		1998			
1999					1994				1999			
2000				<u> </u>	1995	-			2000			
				7.	COM	MEN	TS					
Suggestion												
Remarks	Office a	nd operated l	by Kanpel S	taff								

Site Name: Sikakap

INVENTORY

lition	Dood	
Condition	ජි	
Maintenance Record		
Maint Rec		
ence		
Reference		
Date	1997	
	T.	
Serial No Manufacturer	ICOM	•
I No		· ·
Seria	· · · · · · · · · · · · · · · · · · ·	
Type	00	
	IC-M700	
ption	+	
Description	uipme stem itter	
	Radio Equipment MF/HF System HF Transmitter	
No.	EZ E	
Registered No.		
Regi	<del>.</del>	
<sup>o</sup> Z		

Teluk Bayur

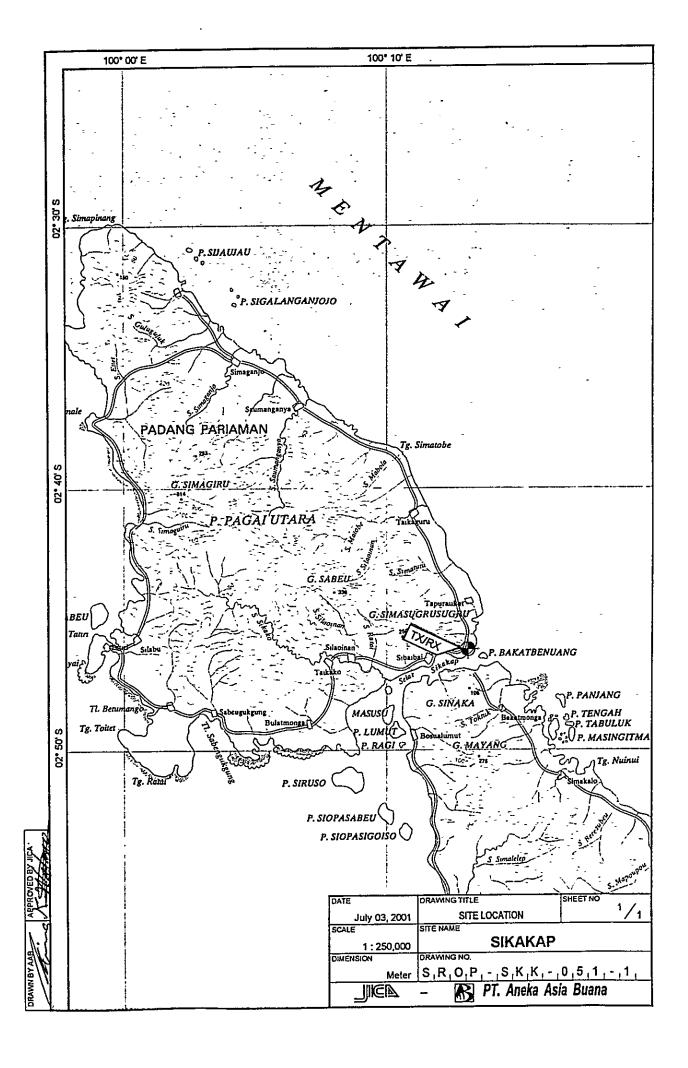
## SKK-051-(1/1)

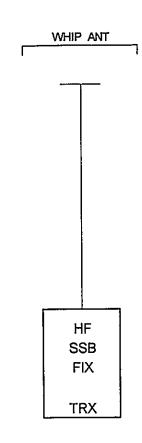
# **OPERATION SCHEDULE**

Site Name: Sikakap

## (FREQUENCIES) Call Sign: Mobile Service: Fix Service:

_				
-	FREQUENCY	MOISSING	POWER	UTC
	(ארוא)	<b>—</b> ∣	(44)	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 KEMAKK
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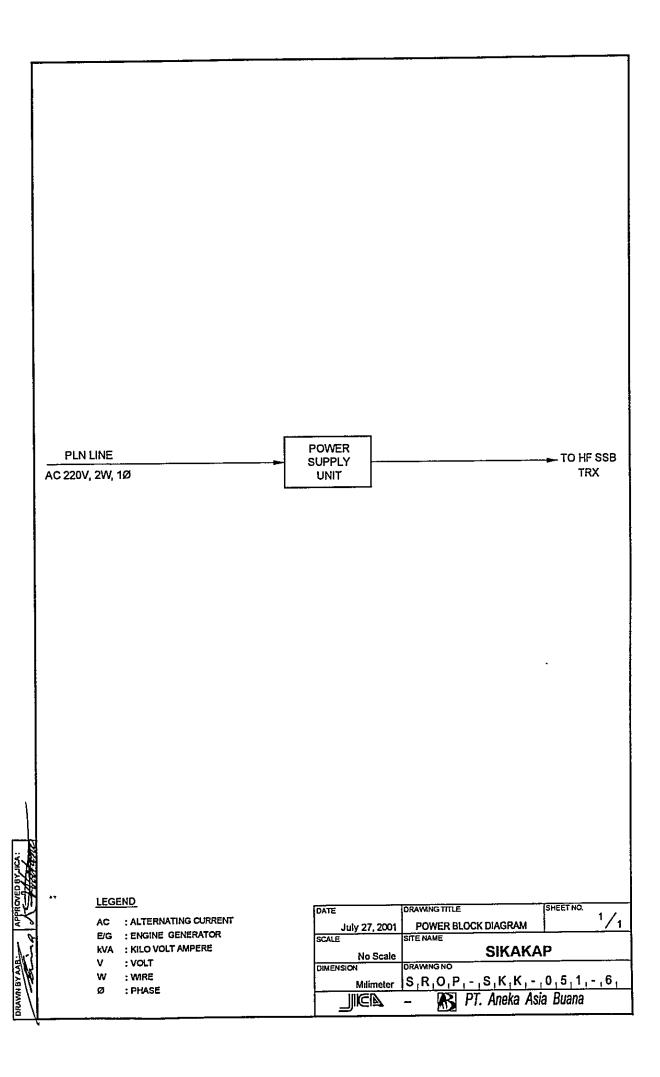


#### LEGEND

ANT : ANTENNA

FIX : FIX COMMUNICATION
HF : HIGH FREQUENCY
TRX : TRANSCEIVER (ING)

DATE	DRAWING TITLE	SHEET NO
July 27, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	SIKAKA	P
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,S,K,K,-	0,5,1,-,5,
	<ul> <li>PT. Aneka Asi</li> </ul>	a Buana



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

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

2ND CLASS DISTRICT NAVIGATION AREA (7) PALEMBANG

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

### 2nd Class District Navigation Area (7) Palembang

#### **Table of Content**

DISNAV	7	Palembang	2nd Class
SROP	52	Palembang	1st Class
	53	Jambi	3rd Class
	54	Muara Sabak	4th-A Class
	55	Muntok	4th-A Class
	56	Kuala Tungkal	4th-A Class
	57	Pangkalan Balam	4th-A Class
	58	Tg. Pandan	4th-A Class
	59	Nipah Panjang	4th-B Class
	60	Manggar	4th-B Class
	61	Sungai Selan	4th-B Class
	62	Blinyu	4th-B Class
	63	Sungai Lumpur	4th-B Class
	64	Toboali	4th-B Class

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

### 2nd Class District Navigation Office (Area-7) Palembang

#### **Table of Content**

$\checkmark$	Summary of Coast Station
	Inventory
	Status of Trouble
	Operation Schedule (Frequencies)
	Site Location
	Antenna Layout
	Equipment Floor Layout
	E/G Floor Layout
	System Block Diagram
	Power Block Diagram
Not	e:
✓	Available in this list
×	Not Available in this list
	Unnecessary in this list

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

<u> </u>						SIT	<del>_</del>	PALEN	MRAN	IG.		
SUMMARY C	V					ASS	2ne		NO.	7		
1. LOCATION			******		<del></del>							
Addı	ress		Tel.		F	ax	I	ongitude	e	Lati	itude	
Jl. Bilyu No. 9, Palembang			0711-7148	15			-		n			
<u> </u>							T					
2. GENERAL CO	NDITIONS									<del></del>		
Moving from		Site Access from Port Road				d Traff	ic	Accomn	odatio	n Por	pulation	
		:] 🗆 Hig		_	Heavy			☑ Hotel				
	<u> </u>	Pav			Mediu			☐ Motel				
			paved road		Light			<del></del>				
			•		None							
3. C	ONDITIONS	OF DI	SNAV OI	FIC	<del></del>			R	efer to	attache	d drawing	
3.1 Site Conditions	0.,	<del></del>						<u> </u>				
Topography	Nature	of Soil			st disa	ster of	ite	Confirm	ation	of existin	g system	
☑ Flat □			mestone	□ FI	ood			Yes No			<del></del>	
□ Slope □	•	□ G₁	ravel	□ FI	ood T	ide			Ante	nna	a	
☐ Hill-top ☐	•	□ Ro	ocky	□ R	ain Lea	akage			Tow	ers (Ma	sts)	
□ Basin □	Clay		-	□ G	round	Subside	ence	☐ ☑ Grounding system		ystem		
□ Valley □	Sandy							☐ ☑ Lightning system			stem	
Altitude	m		T	elepho	ne Lin	es	☐ ☑ Feeder Cable W		Way			
Land area		m²		Ø	1	Line	S		City	water		
3.2 Building C	Conditions				3.3	Powe	r Sot	ırce	•			
Construct		PLN Source					Existir	ig Pov	ver Con	ditions		
Num, of story		Voltage					V	Good Bad				
Structure		Phase						Powe	r Supply	System		
Type of roof		Wire						☐ ☐ Operations of E/G			E/G	
Type of ceiling		kVA						☐ ☐ Operations of AVR				
Type of wall			Quality of PLN source				ce Capa			city of fuel for engine		
Wall finish		Fluctuations V ±						Day tank			Liter	
Flooring		Availabi	vailability of power per day				Tours	Main tanl	k		k Liter	
Room Area	(m²)	Power interruption /month				7	imes	E/G	Stan	d-by Sy	stem	
Operation room		l'otal interpt. hours /month				I	Iours		ngle S			
E/Groom		Max. int	fax, interpt, hours at once Hours						ual Sys	stem		
Remark												
!			<del></del> -									
4. OPER	ATION AND I	/AIN]	TENANC!	E		5. P	ERS	ONNE	L FO	RMAT	CIONS	
	ons taken in equi	ment f	ailure			ļ						
Restoration flow			<del> </del>			Chief						
Examples of major failure						Operator (skilled)				0		
Sufficiency of spares						Technician (skilled) Administrator				0_		
Records of	damages			Condi	tions	Admin	istrato	)r	-			
☐ Heavy rainfall		Good										
□ Storm		ᆜ므	☑ Extern		es	Tota	. 1	<u> </u>				
☐ Lightning			☑ Air po	llution								
Other calamity			<u>                                       </u>					Tuelala	- D			
· · · · · · · · · · · · · · · · · · ·		nan Statuses  Breasonable Driesufficient							ng Record  Location Period Trainee			
1 Budget	☐ Sumcient		asonable   $\Box$		_			Class P	Cocatio		1 2. amee	
2 Spares			asonable   $\Box$					-		1	+	
3 Measuring eqpt./tool 4 Number of Operator	s □ Enough		isonable 🗆					1		_	<del>                                     </del>	
5 Number of Technicia			asonable 🗆				<del></del>			<del>                                     </del>	1	
6 Capability of Operato			t so bad				$\neg$			1		
7 Capability of Technic			t so bad					i				

CTIMEN/	TADV	OF D	TONIA	<b>.</b> 7				SITE	PAL	EMBAI	NG	
3014114:	IANI	Or D	ISITA	<b>Y</b>				CLASS	3 2	2nd	NO.	7
		6. STA	TISTIC	CAL CO	MMU	VICA'	TION T	RAFF	IC DA	ΓA		
	Mai	ritime Sa					ıblic Te				rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998		i	
1999					1994				1999	• •		
2000					1995				2000			
			<del></del>	7.	COM	MEN	TS					
Suggestion								,				
Remarks					•			-				