4th-B Class Coast Station

Majene
(Coast Station No. 158)

### **Table of Content**

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

### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CTINANAADX	ZOECOACT	י כיתר ג	TION			SITE MAJENE					
SUMMARY	OF COAST	. DIA	IIUN			CLAS	S	4th-B	NO.	15	8
1. LOCATION		****					•				
Station	Address		Tel.		Fa	x	Longi	tude	La	titude	
	Wewang 21, Majene 91	411				13	8° 58'		03°	32' 40"	S
2. GENERAL (	CONDITIONS										_
<del></del>	from Jakarta	Site A	Access from Po	ort	Road	Traffic	Acc	ommoda	tion P	pulatio	on.
By Air to Makassar		r.] 🗆 Hi	ghway	$\rightarrow$	Ieavy		□н				
By Car to Location		r.] 🗹 Pa			/ledium	1	Ø M				
		Un Un	paved road	☑ L	ight	·					
					Tone						
	3. CONDITIO	NS OF	STATIO	N				Refer	to attach	ed draw	/ing
3.1 Site Condition											
Topography		of Soil		Pas	t disast	er of site	Cor	firmatio	n of exist	ng syste	
☐ Flat	☐ Dry soil		mestone	□ Flo			Yes	No			
☐ Slope	☐ Ordinary	_	ravel		od Tid	е	Ø	□ Aı	ntenna	<del></del>	•
☐ Hill-top	□ Swampy		ocky		n Leak				wers (M	asts)	_
□ Basin	□ Clay					ubsidence			rounding		
□ Valley	☑ Sandy						Ø		ghtning s		
Altitude	7.00	M	· · · · ·	Tel	ephon	e Lines	Ø		eder Cab		
Land area		m²				Lines	Ø		ty water		
	g Conditions				3.3 P	ower S	ource		·····		
	ructions		PLN Sou	rce		E/G		isting P	ower Co	ndition	s
Num. of story	One	Voltage	<del>-}</del>	_		V	Good				
Structure	Concrete	Phase	<del>- </del>	1				☑ Pov	ver Supp	y System	m
Type of roof	Zinc	Wire		2					erations o		
Type of ceiling	Triplex	kVA	C	).9				☑ Ope	erations o	f AVR	
Type of wall	Brick		Quality o	f PLN	source	;	Ca	pacity (	of fuel fo	r engine	e
Wall finish	Mortar	Fluctua			V ± 10		Day t	ank		Liter	
Flooring	Tile	Availab	ility of power	per da	у	24 Hou	rs Main	tank		k Lite	er
	rea (m²)	Power i	nterruption /r	month		10 Time	S	E/G Sta	nd-by S	ystem	
Operation room	12 00	Total in	terpt hours/	month		10 Hou	s 🗆	Single	System		
E/G room		Max. in	terpt. hours a	t once		1 Hou	·s 🗆	Dual S	System		
Remark											
4. OPI	ERATION AND I	MAIN	<b>TENANCE</b>	C		5. PER	SONN	EL F	ORMA	TION	<u>S_</u>
A	Actions taken in equi	pment f	ailure					T.	K/RX		
Restoration flow	Request for technic	an				Chief			1		
Examples of major failure						)perator (			0		<u>()                                    </u>
Sufficiency of spares	Not enough				T	Technician (skilled) () ()					
Records	of damages	-	ironmental (	Conditi	ions   A	\dministra	ator				
☐ Heavy rainfall		Good									
□ Storm		N N	☐ Externa	s T	Total 1:						
☐ Lightning		<u> </u>	☐ Air pol	_							
☐ Other calamity											
	Institutional and Hur					Training Record  Course Class Location Period Trainee					
1 Budget			asonable 🗹		Course	Class	Loca	tion Perio	d Train	iee	
2 Spares	☐ Enough		asonable   🗹						-		
3 Measuring eqpt./t			asonable 🗹			<u> </u>			-	_	
4 Number of Opera			asonable 🗹							<del></del>	
5 Number of Techn			asonable  ☑ i							<del>-</del>	
6 Capability of Ope			t so bad 🔲 i							-;	
7 Capability of Tecl	mucian   La Skilled	<u> ۱۷۵ ت ا</u>	ני אַט טענע ן 🎞 ו	rior cap	AUIC					1	

OT TRAIN	r a maxz		A CT	COT A	TIAN	r		SITE	MAJ	ENE		
2 O IATIA	IAKI	OF C	UASI	SIA.	LION			CLASS	3 41	h-B	NO.	158
		6. STA	TISTIC	CAL CO	MMUI	VICA'	TION T	RAFF	IC DAT	ΓA		
	Mai	ritime Sa	fety			Pt	blic Te	ecom	nunicat	ion Se	rvice	
Years	TG TEL DSC NBDP			Years	Tele	phone	TG Call	Years	Tele	phone	TG Cali	
						Call	Minute		i i	Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
				7.	COM	MEN	TS		<del></del>		<u> </u>	
Suggestion												
Remarks	Coast St	ation not yet	use for pul	olic correspo	ondence							

Site Name: Majene

INVENTORY

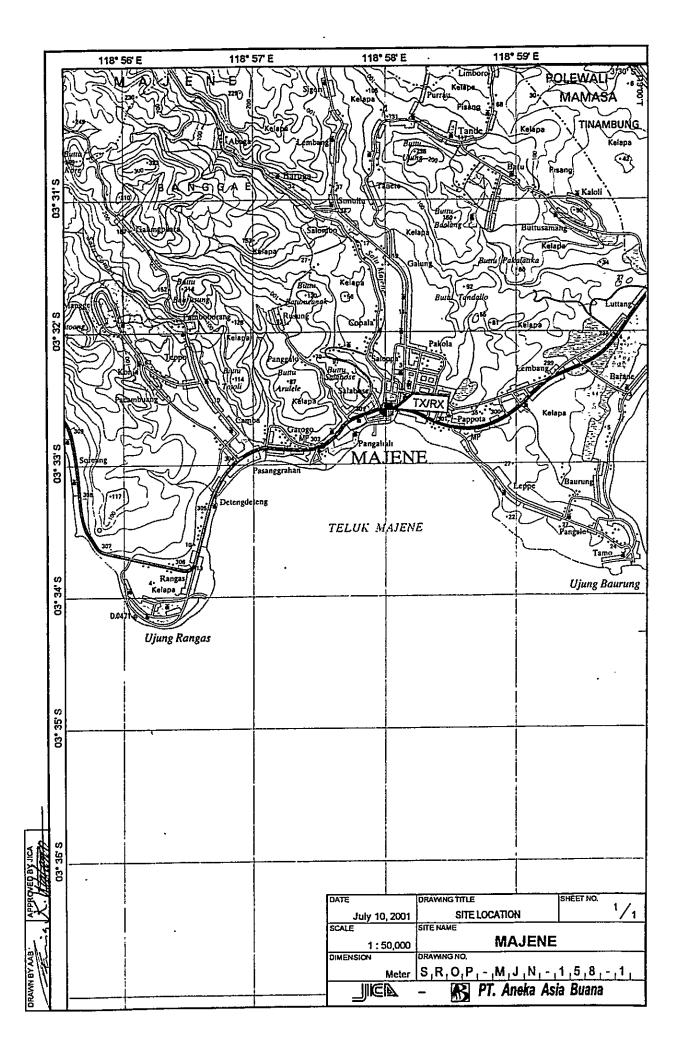
	ſ		 
Condition	Good		
Maintenance Record	o		
Reference			
Date	9661		
Serial No Manufacturer	ICOM		
Serial No	04621		
Type	IC-M77		
Description	Radio Equipment Transmitter MF/HF Transceiver		
Registered No.	· n.		
°Z	1.1		

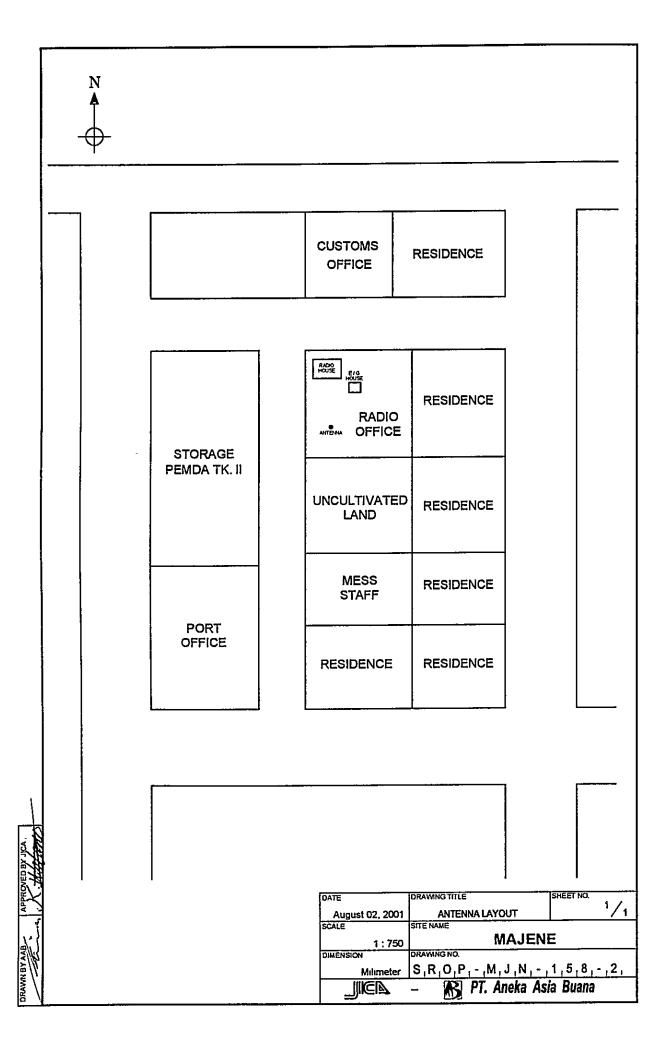
### MJN-158-(1/1)

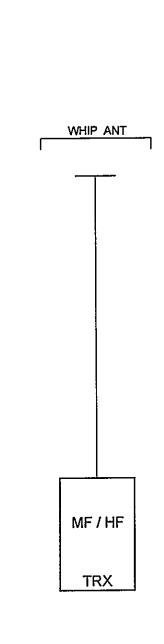
## OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKF.30

Site Name: Majene

	11	rix selvice		
	FREGUENCY (KHz)	EMISSION	POWER (W)	OUC
	,,		,,	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 REMINARY
ĺ	Mobite Service			
-	2 182,0	JSE	100	
~	6 215,0	J3E	100	
	1			
	Fix Service			
က	5 165,0	385	160	
4	5 295,5	JSE	100	
က				
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23	,			
24		!	:	
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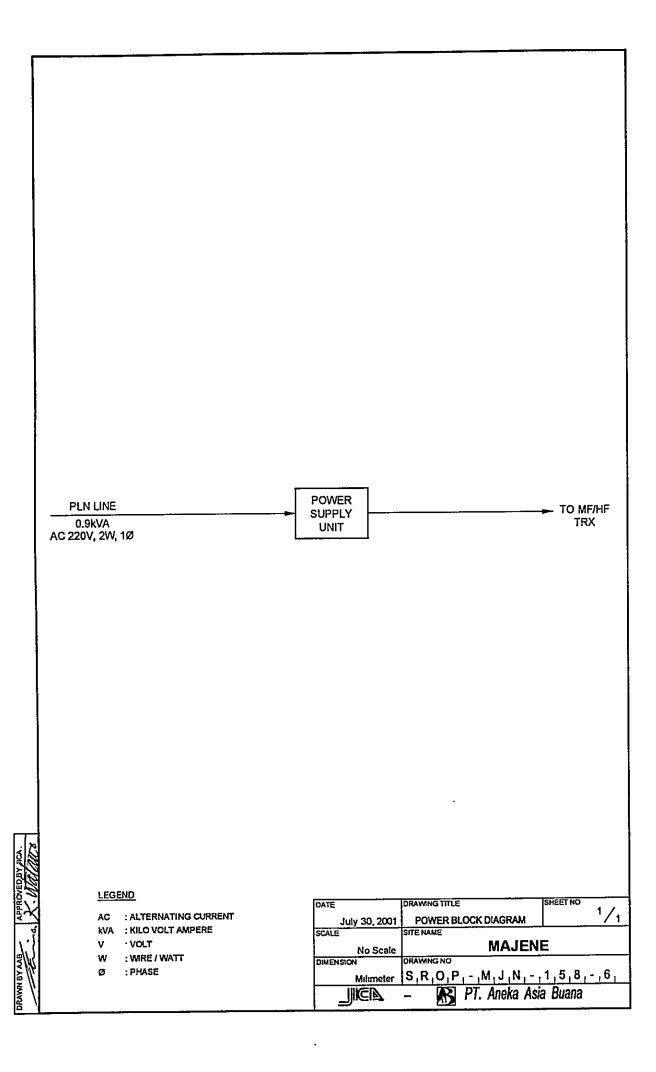
### LEGEND

ANT : ANTENNA

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER (ING)

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

AWN BY AAB . APPROVED B



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

### **Table of Content**

✓ Summary of Coast Station
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

										- 1	SITE	,	BAJC	NE .				
SUMMAR	Y OF	COA	ST	ST	AT	IO]	N				CLA		_	<u>յբ</u> h-B	N	O.	$\overline{}$	159
1. LOCATION											CLA	33	41.	D	μν	<u> </u>	<u> </u>	137
Station Station	Add	race		<del></del>		Tel	<u> </u>		1	Fax	1	т	ongitu	de	1	T.c	titı	ıde
TX/RX Jl. Pelabuh			atamn	one		2143			<u> </u>	I GA		120°		25" E	1		23'	
170101		Dajoo II	uu.i.p.	-		4170			<del> </del>		$\dashv$				╁			
2. GENERAL	COND	TTION	IC .	<del></del>					•									
	from Jai		10	Sita	Acces	ss fro	m Po	r+	Doo	d Tr	n ffin		Accom	moda	tion	D		lation
By Air to Makass		ng time,	2 00 h	] $\square$ H					Heav		ainc		☐ Hote			┿	opu	ianon
By Car to Location		ng time:		.] 図 Pa		<u></u>			Medi				☑ Mote			+		
						ed ro	ad		Light							<u> </u>		
				1					None							T		
	3. C	ONDI	TIO	NS O	F S	TAT	TOI	N						Refer	to a	ittacl	ned	drawin
3.1 Site Condit																		
Topography		N	ature	of Soi				Pa	st disa	aster	of site	e	Confir	matio	n of	exist	ing	system
☑ Flat		ry soil	_		imes	tone	Ī	□ Fl	ood				Yes N	lo	•			
☐ Slope		Ordinary			rave	1		⊐ Fl	ood T	ide			Ø C	3 Ar	iteni	na		
☐ Hill-top	□ s	wampy		□ R	locky	r	lt	□ Ra	ain Le	akag	e			Z To	wer	s (M	asts	;)
□ Basin		lay					[0	□ G	round	Subs	siden	ce	Ø	J Gr	oun	ding	sys	tem
☐ Valley	Ø S	andy												] Lig	ghtn	ing s	yst€	em
Altitude			3.00	M					elepho	one I	Lines			Fee	eder	Cab	le V	Vay
Land area			1	m²			[5	<u> </u>	1	Li	ines			] Cit	y w	ater		
3.2 Buildin	ng Cond	litions							3.3	Pov	ver	Sou	ırce					
Cons	tructions	;			I I	PLN	Sour	ce		E/0	<del>G</del>		Exist	ing P	owe	r Co	ndi	tions
Num. of story	1			Voltag	е		220 1	V			٧		Good Ba	d				
Structure	Concre	te		Phase				1						Pov	ver S	Supp	ly S	ystem
Type of roof	Zinc			Wire			:	2						Оре	erati	ons c	of E	/G
Type of ceiling	Triplex			kVA			0.	9						Оре	rati	ons c	)f A	.VR
Type of wall	Brick					Quali	ty of		sour				Capa	city (	of fu	el fo		
Wall finish	Mortar			Fluctua					) V ±			_	Day tani					Liter
Flooring	Tile			Availat					ay				Main tai	_				C Liter
Room	Area (m			Power		<u> </u>				10	) Tin	nes		G Sta			yste	em.
Operation room		12.00	_	Total in		_	_				O Ho			ingle	_			
E/G room			ļ	Max. is	iterpt	t. hou	ırs at	once		1	l Ho	urs		Dual S	yste	em		
Remark																		
[·····································		· <del></del>								<del></del>								
4. OF	ERATI						CE			<u>5.</u>	PE	RSC	ONNE				TI	<u>ONS</u>
D-4-4: G	Actions t				failu	re				ļ				T2	K/R	<u>X</u>		
Restoration flow Examples of major failu		st for te	chnici	an			·			Chie			·	<u> </u>		-		
Sufficiency of spares	<del>`</del> }									_			illed)	<u> </u>		$\frac{0}{0}$		0
<del></del>	Not e			12			4-1.0	1	47	-	nnici ninist		skilled)	<u> </u>		0		<u> </u>
	is of dam	ages			viron i Bac	_	tai C	.onaı	tions	Adr	กเกเรเ	rato	)r	-				
☐ Heavy rainfall ☐ Storm				<u> </u>	1 53(		1	nois		T -	tal					1		
☐ Lightning									<u>es                                     </u>	1 0	tai							
☐ Other calamity				☐ ☑ Air pollution											-			
- Other calanity	d Hun	uman Statuses						Training Record										
1 Budget													Kecord   ocation Period Trained					
2 Spares		□ Enc		□ Re		_				-		- -	0.000		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
3 Measuring eqpt.	/tools	□ Enc					_		nough	<del></del>	-	+-		<del>                                     </del>			+	
4 Number of Oper		□ Enc							iough		-	$\dashv$		1	•		+	
5 Number of Tech		□ Enc		□ Re								+		1			7	
6 Capability of Op		□ Ski		Ø No					pable			_					7	
7 Capability of Te		□ Ski		⊠ No	ot so												T	

SUMN	TADV	OFC	O A CT	CTA	TION	r		SITE	BAJ			
201411A	IANI	Or C	UASI	SIA.	LION			CLASS	S 41	th-B	NO.	159
•		6. STA	TISTIC	CAL CO	MMU	NICA'	TION T	RAFF	IC DA	ΓA		
	Ma	ritime Sa	fety			Pı	ıblic Te	ecom	nunicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
						Call	Minute			Call	Minute	
1996		1			1991				1996			
1997					1992		j j		1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
	. <u> </u>			7.	COM	MEN	TS	<del></del>				
Suggestion	Comman	ation equipn dant of Ditje						only for o	fficial used	d, as the o	hannel for	
Remarks	Operated	l by Kanpel	Staff									

BJO-159- (1 / 1)

Site Name: Bajoe

INVENTORY

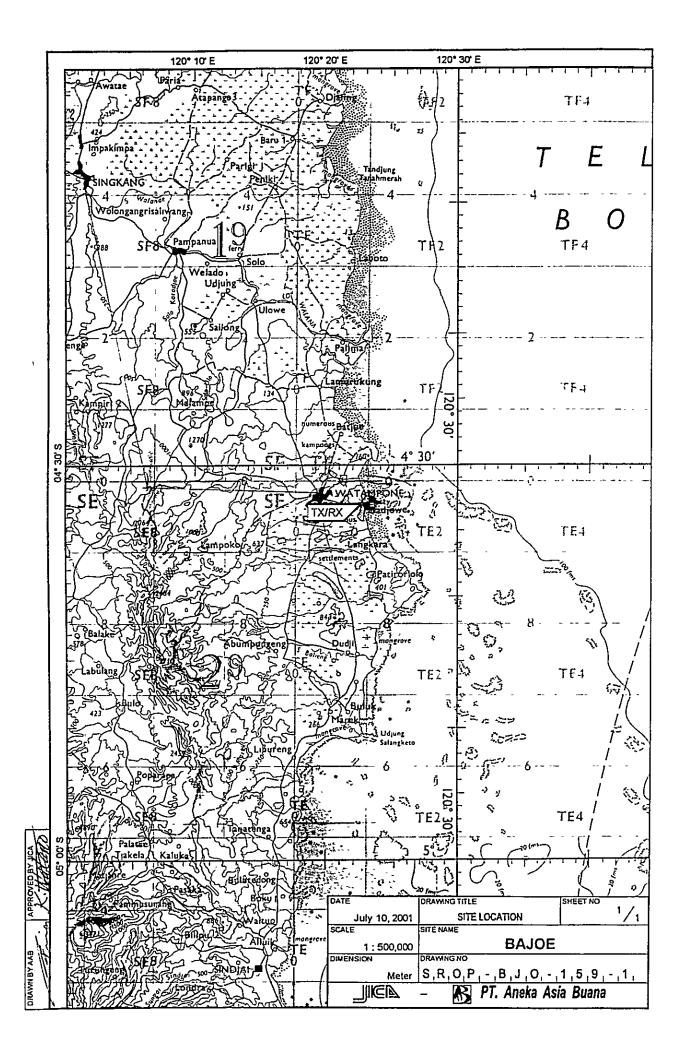
Condition	Good	
Maintenance Record		
Reference		
Date	1996	
Manufacturer	ICOM	
Serial No	04928	
Type	IC-M77	
Description	Radio Equipment Transmitter MF/HF Transceiver	
Registered No.		
No	1 1-1	

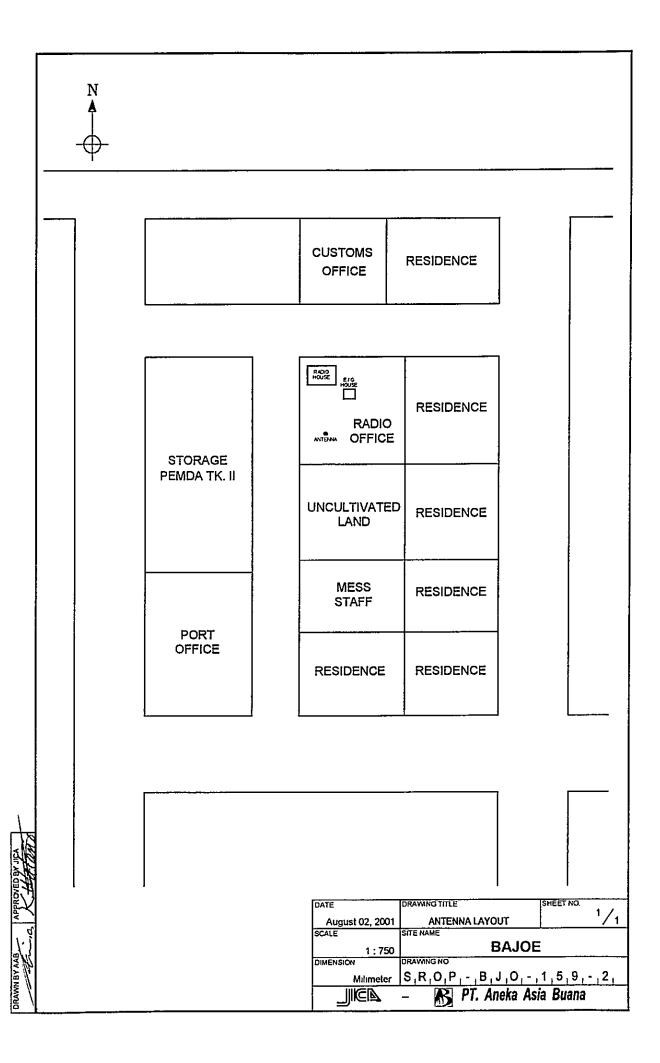
### BJO-159-(1/1)

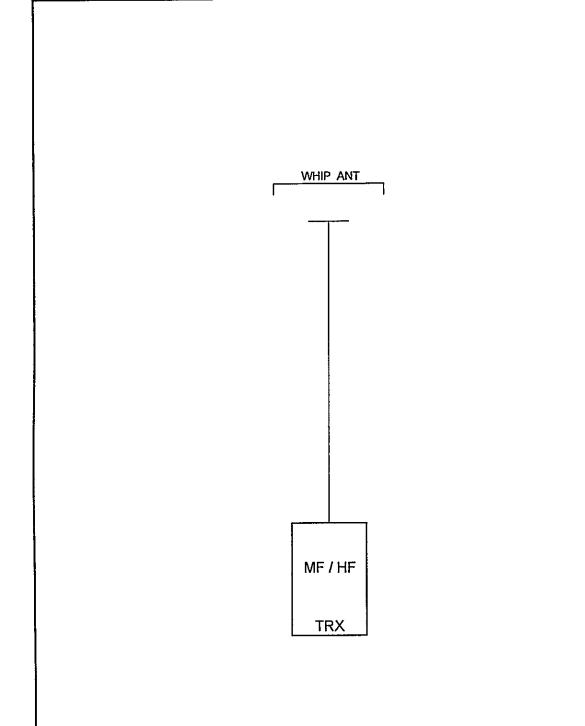
# OPERATION SCHEDULE (FREQUENCIES) call Sign: Mobile Service: PKF.32 Fix Service:

Site Name: Bajoe

Jae 100 (W) 01 02 03 04 06 06 07 08 09 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		FREQUENCY	⊩	POWER	ATII	
2.182.0 JJE 100  E. 10		(KHz)		8	02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23	REMARK
51820 JJE 100		Mobile Service				
Fire Service 5.1865 July 100 Tuly 100 T	-		J3E	100		
Fig. 100 5.225,5 Joe 100 10. Line 10. L	7	!	J3E	190		
5.165.0 J3E 100					<del>────────────────────────────────────</del>	
5.255 Jae 100		Ϋ́.				
96.5 5	ო		385	160		
	4		J3E	100		
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	/					
	. 80		<u> </u> 			
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23	22	•	!			
24	23		,			
	24		,			
	25					







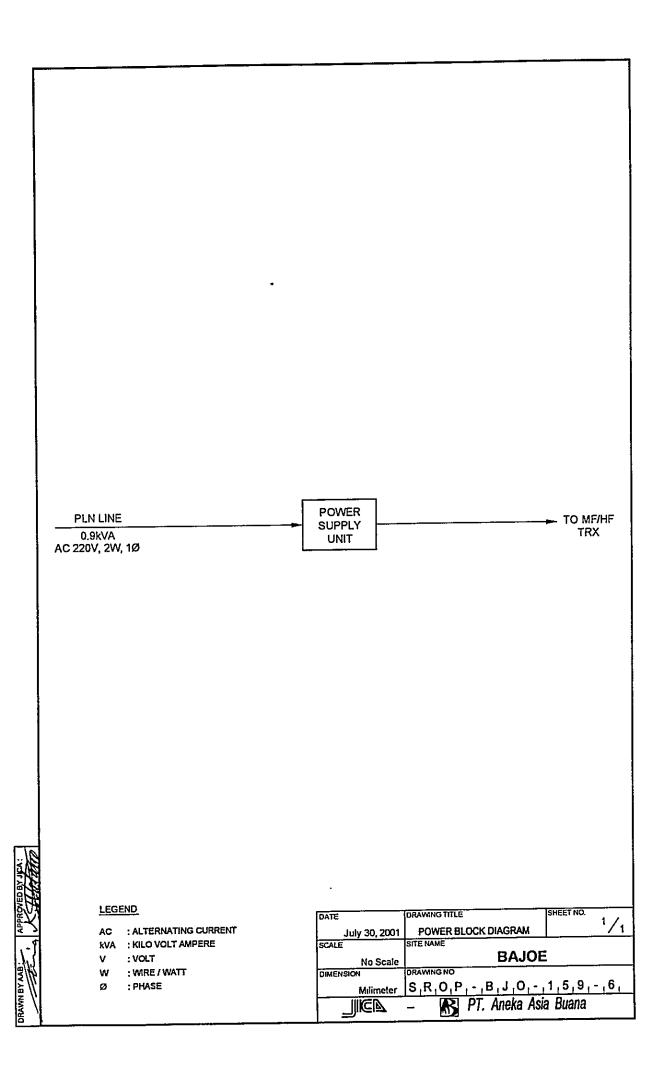
### LEGEND

ANT : ANTENNA

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER (ING)

DATÉ	DRAWING TITLE	SHEET NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	'/1
SCALE	SITE NAME	
No Scale	BAJO	E
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,B,J,O,-	1,5,9,-,5,
11116	PT. Aneka As	io Puono

DRAWN BY AAB ... APPROVE



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

### **Table of Content**

✓ Summary of Coast Station
 ✓ Inventory
 ☐ Status of Trouble
 ✓ Operation Schedule (Frequencies)
 TRX Drawings:
 ✓ Site Location
 ✓ Antenna Layout
 ✓ Equipment Floor Layout
 ☐ E/G Floor Layout
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### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

	<del>-</del>							k	SITE	[CI	CLAY	AD			
SUMMAR	Y OF	<b>COAST</b>	STA	OITA	N				CLASS		4th-		NO.		160
1. LOCATION	V	·			-		· · · · · · ·	1		<u> </u>	1011				
Station	Add	ress		Te	-l.	T	]	Fax		Long	itude	Т	]	Latit	ude
TX/RX Jl. Pemuda				0414-2					12			" E	06°	07'	10" S
				<del> </del>					-   · · ·			_			
2. GENERAL	COND	ITIONS	•	•		•									
	from Jal		Site A	ccess fro	m Por	t	Roa	d Tra	affic	Ac	comm	odatio	п	Popi	ılation
By Air to Makass			r.] 🗆 Hig	zhway		O I	Ieav			ΠF	Iotel		十		
By Car to Locatio	n [Takir		r.] 🗹 Pav				Medi			<b>☑</b> V	/Iotel				
			Un Un	paved ro	oad	Ø I	ight								
						□ 1	Vone		•						
	3. C	ONDITIO	NS OF	STA	TION	1				Т	Re	fer to	atta	ched	drawin
3.1 Site Condit	ions				·										
Topography		Natur	of Soil			Pas	t disa	aster c	of site	Co	กรีเรากร	ation (	f exi	sting	system
☐ Flat		ry soil	☐ Liı	mestone	E	Flo	ood			Yes	No				
□ Slope	□ o	rdinary	□ Gr	ravel		] Flo	od T	ide		Ø		Ante	nna		
☐ Hill-top	□ S	wampy		ocky	[0			akage		Ø		Tow			
□ Basin	C	lay	☑ Sto	ny	[0	∃ Gr	ound	Subs	idence			Grou			
☐ Valley	□ S	andy								Ø		Light			
Altitude		2.00					lepho	one L		☑		Feed			Vay
Land area	<u>l.,</u>		m²		5	<u> </u>	1	Li	nes		<u> </u>	City	wate	r	
3.2 Buildin	ng Cond	litions					3.3	Pow	ver S	ource	<del>)</del>				
Cons	tructions			PLN	Sour	ce		E/G	}	E	xistin	g Pow	er (	ond	itions
Num. of story	One		Voltage		220 \	/			V	Good	Bad				
Structure	Concret	te	Phase			l l									ystem
Type of roof	Zinc		Wire	<u> </u>		2						Opera			
Type of ceiling	Triplex		kVA	<u> </u>	1.3							Орега			
Type of wall	Brick				ity of						apaci	ty of I	fuel 1		
Wall finish	Mortar		Fluctuat					10 %			tank	_ _			Liter
Flooring	Tile			lity of po			у		Hour	_					k Liter
	Area (m²		Power in		_				Time			Stand	_		<del>em</del>
Operation room	ļ	12.00		erpt. ho			- -		Hour			gle Sy		<u>ı                                      </u>	
E/G room Remark			Max. int	erpt. ho	urs at	once		<u> </u>	Hour	s 🗆	Du	al Sys	tem		
Kemark															
	L														
4. OP	ERATI	ON AND I	MAINT	ENAN	ICE			5.	PERS	ON	NEL	FOI	RM	ATI	ONS
		aken in equi									1	TX/I			
Restoration flow		st for technic		<del></del> -				Chie	f				1		,
Examples of major failu		stor Power A							rator (s	killed	)		0		()
Sufficiency of spares	Not en		-					Tecl	mician	(skille	:d)		()		0
Record	is of dam	ages	Envi	ironmer	ital C	ondit	ions	Adm	inistra	tor					
☐ Heavy rainfall	•		Good	Bad											
☐ Storm			☑		ternal	noise:	s	Tot	tal				1_		
☐ Lightning			Ø	□ Air	pollu	tion								<u> </u>	
☐ Other calamity								<u> </u>			L				
	man Statuses t  □ Reasonable  ⊡ Insufficient						Training Record t Course Class Location Period Tra								
1 Budget								Cou	urse	Clas	s (L	ocatio	n Pei	iod)	Trainee
2 Spares	<u> </u>	☐ Enough		sonable			_						$\bot$		
3 Measuring eqpt.		☐ Enough		sonable	4		_				-		+	$\dashv$	
4 Number of Oper 5 Number of Tech		☐ Enough		sonable	<del> </del>							<del></del>	+	$\dashv$	
6 Capability of Op		☐ Enough ☐ Skilled		sonable so bad							+		+-	$\dashv$	
7 Capability of Te		Skilled Skilled		so bad									+	$\dashv$	
. , oupaonity of 10	unvidii	1 numm	1-1106	- ouu	141	<del></del>							1		

SUMM	ra day		O A CT	CTA	TION	7		SITE	SEL	AYAR		
201ATIA1	AKI	OF C	UASI	SIA.	LIUN			CLASS	41	th-B	NO.	160
		6. STA	TISTIC	CAL CO	MMU	VICA'	TION T	RAFF	C DA	ΓA	•	
	Mai	ritime Sa	fety			Pı	ıblic Tel	ecomn	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			i	l	1995				2000			
				7.	COM	MEN	TS				· <u>····</u>	
Suggestion		ation must b	e completed	l by GMDS	S System,	minima	l Area-1	• • • • • • • • • • • • • • • • • • • •	·			
Remarks	Coast St	ation not yet	use for put	olic correspo	ondence							

## INVENTORY

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SLY-160- (1 / 1)

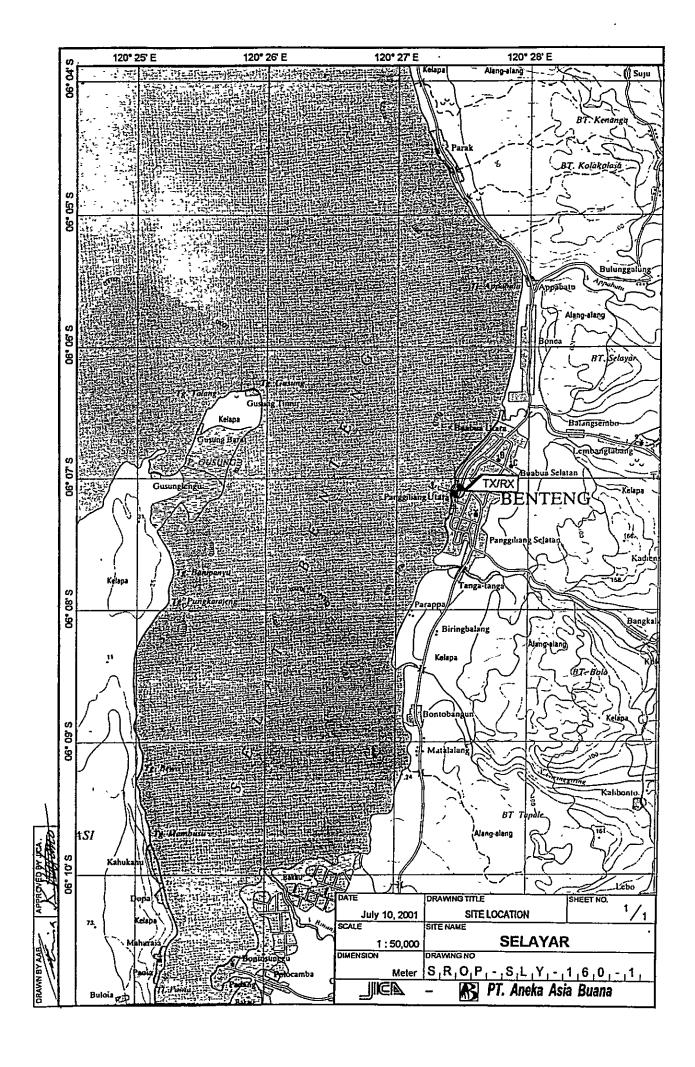
Condition	Pood		
Maintenance Record			
Reference			
Date	9661		•
Serial No Manufacturer	ICOM		
Serial No	04909		
Type	IC-M77		
Description	Radio Equipment Transmitter MF/HF Transceiver		
Registered No.			
0N	1-1-1		

### SLY-160-(1/1)

### **OPERATION SCHEDULE** (FREQUENCIES) Call Sign: Mobile Service PKF.28 Fix Service :

Site Name: Selayar

	FREQUENCY		POWER	V.1.1	
	(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				
-	2 182,0	386	199		•
7	6215,0	J3E	100		•
	Fix Service				
; ന	5 165,0	JSE	100		
4	5 295,5	絽	19		
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# **OPERATION SCHEDULE**

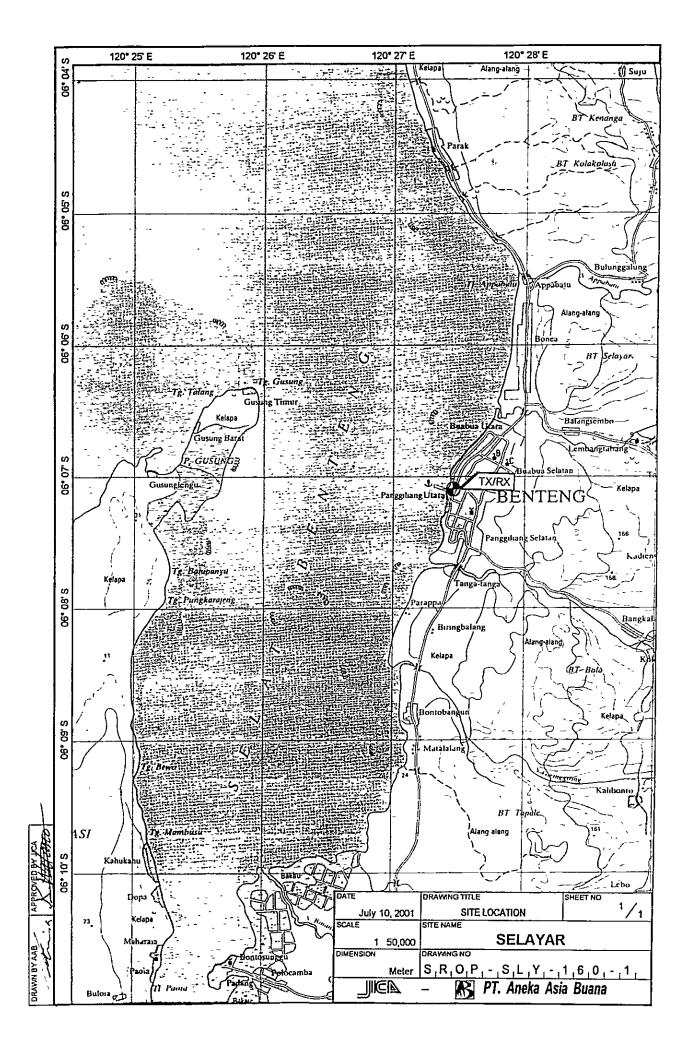
Site Name: Selayar

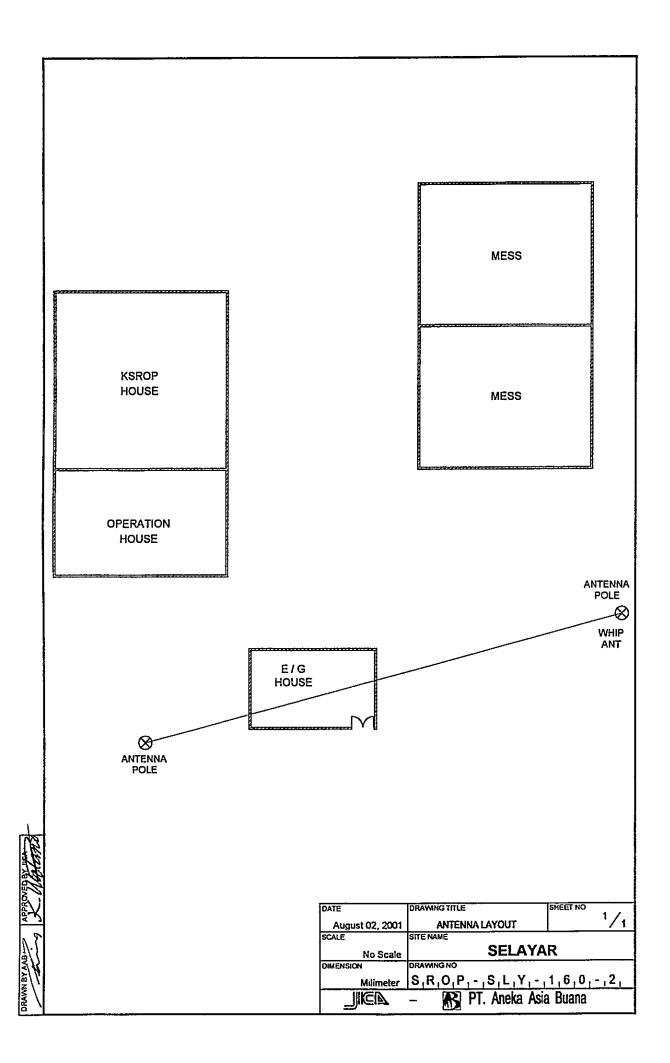
(FREQUENCIES)

Call Sign: Mobile Service PKF 28

Fix Service

REMARK																									
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 REI																									
POWER (W) 01	C	3 §		001	<u></u> §				<u> </u>		·	•		•	*****	-	i i		-				<del></del>		-
EMISSION	u c	73E	<del></del>	- J3E	ш С												•	• •	<del></del>	•					
FREQUENCY (kHz)	Mobile Service	6 215 0	Fix Service	5 165 0	5 295,5			•			•	•	•		1							•	•	•	
		- 0		ო	4 u	, (	0 ^	- α	, 6	5	=	12	13	4	15	16	17	18	19	20	5	22	23	24	25





WHIP ANT MF / HF TRX

### LEGEND

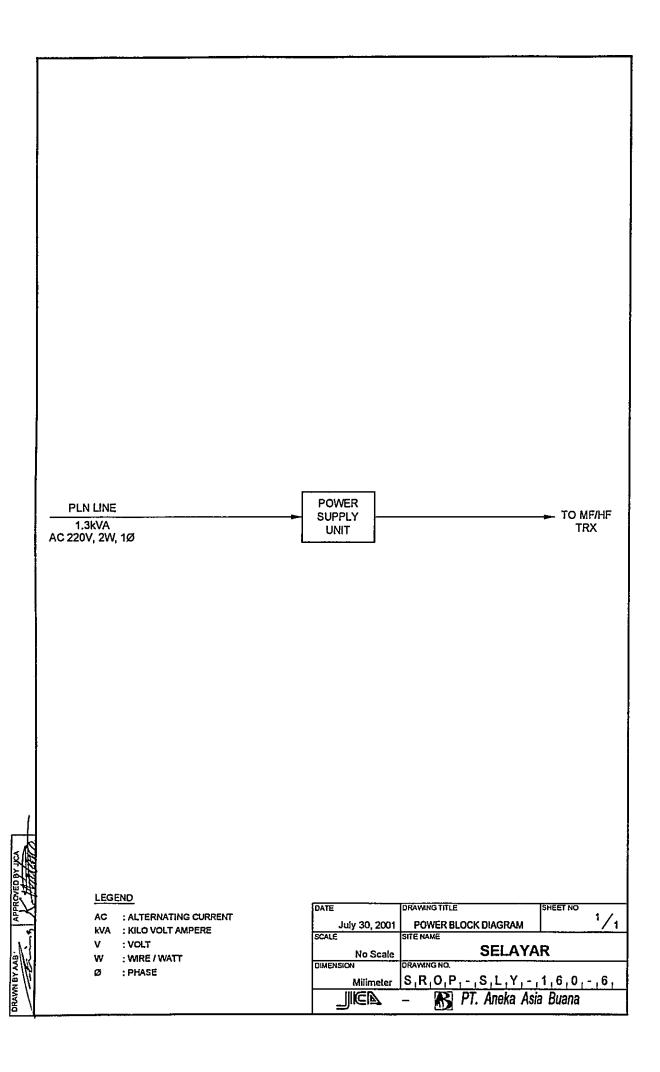
ANT : ANTENNA

HF: HIGH FREQUENCY

MF: MEDIUM FREQUENCY

TRX : TRANSCEIVER (ING)

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



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

### **Table of Content**

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

### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CHIRARATA	ZOE COAS	NOTE COOK A	TEXANT			SITE		POI	LEWA	LI		
SUMMARY	OF CUAS	1 <b>51</b> A	MUIL			CLAS		_	th-B	NO.		161
1. LOCATION												
Station	Address		Tel.		Fa	<u> </u>	T.o	ngit	ude		atit	ude
TX/RX Jl. Bahari Ne	o. 1, Polewali 91311						119°	20'			26	
			<u>-</u>							<del> </del> -		
2. GENERAL (	CONDITIONS										====	
	rom Jakarta	Site A	ccess from P	ort	Dood	Traffic		Acco	mmod	otion	Don	ulation
By Air to Makassar		0 hr.] □ Hig		_	Heavy	Tranic		] Ho		411011	<u>1 0 p</u>	uiation
By Car to Location		00 hr.] ☑ Pa			Medium			J Mc				
			paved road		Light							
					None		1					
	3. CONDITI	ONS OF	CTATIO	NI					Refe	r to atta	ched	drawing
3.1 Site Condition		UNS OF	SIAIL	714	- <u>-</u>				10101			
	<del></del>				4 -124		- 1	C1			-4.	
Topography ☑ Flat	□ Dry soil	ure of Soil	mestone	□ Fic		er of site		Coni Yes	irmane No	on of exi	sting	system
□ Slope	Ordinary		ravel	1	ood Tid	•	_ ∟	<u> </u>		ntenna	—	
☐ Hill-top	☐ Swampy		ocky	1	in Leak					owers (	Maci	
☐ Basin	□ Clay	□ <i>K</i> (	JUNY			age ubsidenc		<u> </u>		roundin		
☐ Valley	☑ Sandy			☐ Tio		BOSIGEIR	_	<u> </u>		ightning		
Altitude	54.16)	0 M				e Lines		<u> </u>		eder C		
Land area	† · · · · · · · · · · · · · · · · · · ·	m²				Lines	_	<u></u>		ty wate		11 4)
	g Conditions	<u> </u>		<u> </u>		ower S			0.	ily maio	<u>.                                    </u>	
	ructions		PLN Sou	1500		E/G	30u1		etina I	Power (		litions
Num. of story	One	Voltage				V	- G	ood I		OWEL	-011U	Itions
Structure	Concrete	Phase	220	1		<u>v</u>				wer Su	nlv '	Sustem
Type of roof	Zinc	Wire	·	2	****					erations		
Type of ceiling	Triplex	kVA	0	),9	<del></del>					erations		
Type of wall	Brick	-	Quality o		source	<del></del> :				of fuel		
Wall finish	Concrete	Fluctuat			V ± 10		D	ay ta				Liter
Flooring	Tile		lity of power			24 Ho						k Liter
	rea (m²)		nterruption /r		1	10 Tim				and-by		
Operation room	12.00		terpt. hours /			10 Hou				System		
E/G room			erpt. hours a			1 Hou				System		
Remark	<del></del>											
-										····		
4. OPI	ERATION AND	MAINT	CENANCE	ζ,		5. PER	RSO	NN	EL F	ORM	ATI	ONS
	ctions taken in eq			<del>-</del>						X/RX	Π	
Restoration flow	Request for techn								<del> </del>	1	$\vdash$	
Examples of major failure				<u>-</u>	C	perator	(skill	led)		()	$\top$	0
Sufficiency of spares	Not enough					echnicia			)	()	П	0
	of damages	Env	ironmental (	Condit	ions A	dminist	rator					
☐ Heavy rainfall		Good	Bad									
☐ Storm	_	Ø	☐ Externa	ıl noise	s T	otal				1		
☐ Lightning		<u> </u>	☐ Air poll	lution							<u> </u>	
Other calamity												
	Institutional and H							<u> Frair</u>	ing R			
1 Budget			isonable 🗹 🛚			Course	<u> </u>	lass	Loca	ation Pe	riod	Traince
2 Spares	☐ Enoug		sonable 🖾						_			
3 Measuring eqpt /t			sonable 🗹				<del> </del>					
4 Number of Opera			sonable 🗹				-		4-			
5 Number of Techn		<del></del>	sonable 🖾				-		-			
6 Capability of Ope 7 Capability of Tecl			so bad 🔯 i				+		-			

SUMM	IADV		O A ST	י גידי גי	FION	•		SITE	POL	EWAL	[	
SOMM	LANI	OF C	UASI	SIA.	LIUN			CLASS	41	th-B	NO.	161
		6. STA	ATISTIC	CAL CO	MMU	VICA'	TION T	RAFF	C DA	ΓA		
	Mai	ritime Sa	fety			Pı	ıblic Te	lecomn	nunicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Tele	phone	TG Call
						Call	Minute			Call	Minute	
1996			<u> </u>		1991				1996			
1997					1992				1997			
1998					1993				1998		-	
1999	1999 1994 1999											
2000				_	1995				2000			
				7.	COM	MEN	TS					
Suggestion	comman	ation Equips dant from D n completed	itjen Hubla	ed in Port O and for Ma	ffice. Rad nine Safety	io comm	unication c		ficial used	i, as the c	channel for	
Remarks	Operated	by Kanpel	Staff			·====						

INVENTORY

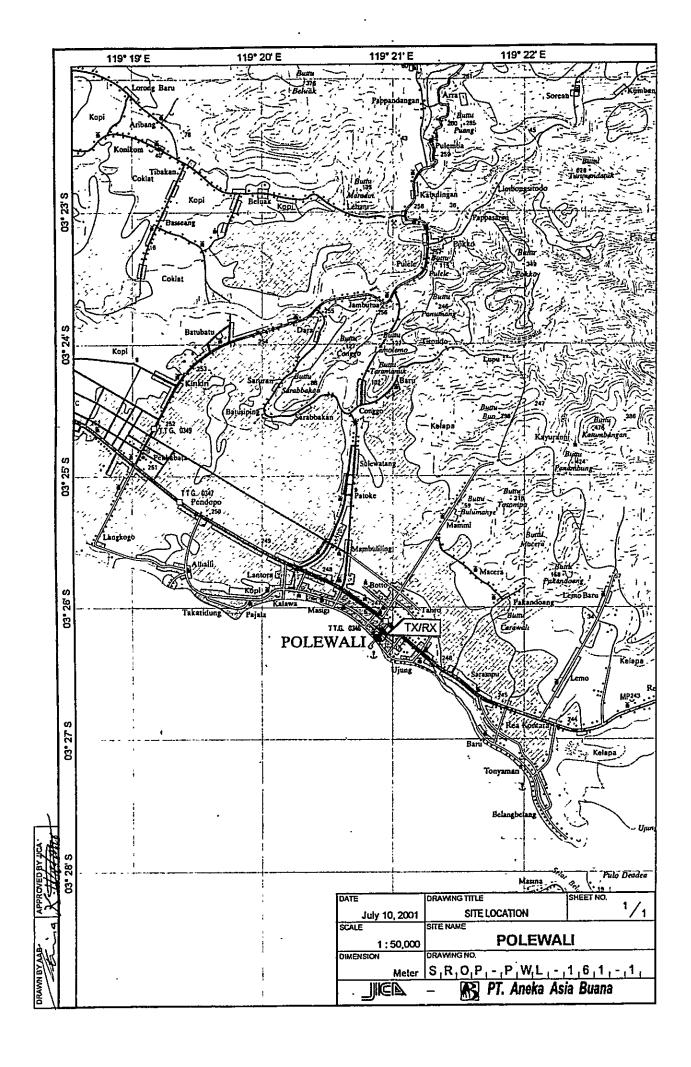
Site Name: Polewali

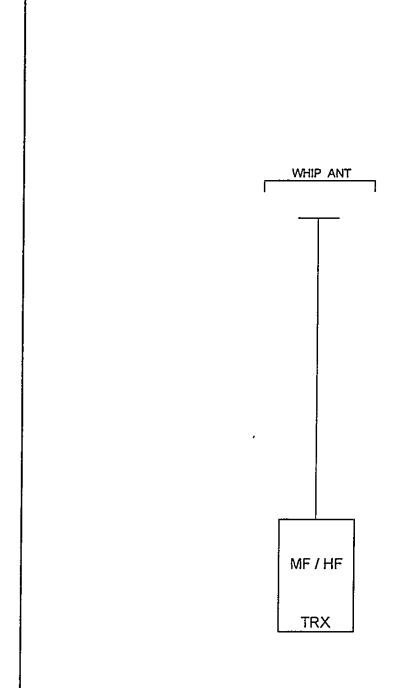
Condition	Good	**				
Maintenance Record						
Reference				<del></del>		
Date	1661					
Manufacturer	ICOM				7. 8	
Serial No	4243					
Туре	IC-M700					
Description	Radio Equipment Transmitter MF/HF Transceiver					
Registered No.						
No	1 1-1 1		***			

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

Site Name: Polewali

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 05 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 14 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	FREGU	ENCY		POWER	C.H.	
2 1820   J3E   100	(KH	(Z)	EMISSION		02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	REMARK
5 21820 JBE 100 LB 100	_	service				
5.285,5 J3E 100		82,0	J3E	5		
Fit Service 5 296,5  Use 100  1		15,0	J3E	100		
5.285.5 JJE 100 LI						
5.455,0 JJE 100 T T T T T T T T T T T T T T T T T T	Fix Servi	10e				
2585.5		65.0	JSE	100		
	•	35,5	350	100		
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23       24       25       25	22					
24	23					
52	24					
	25					





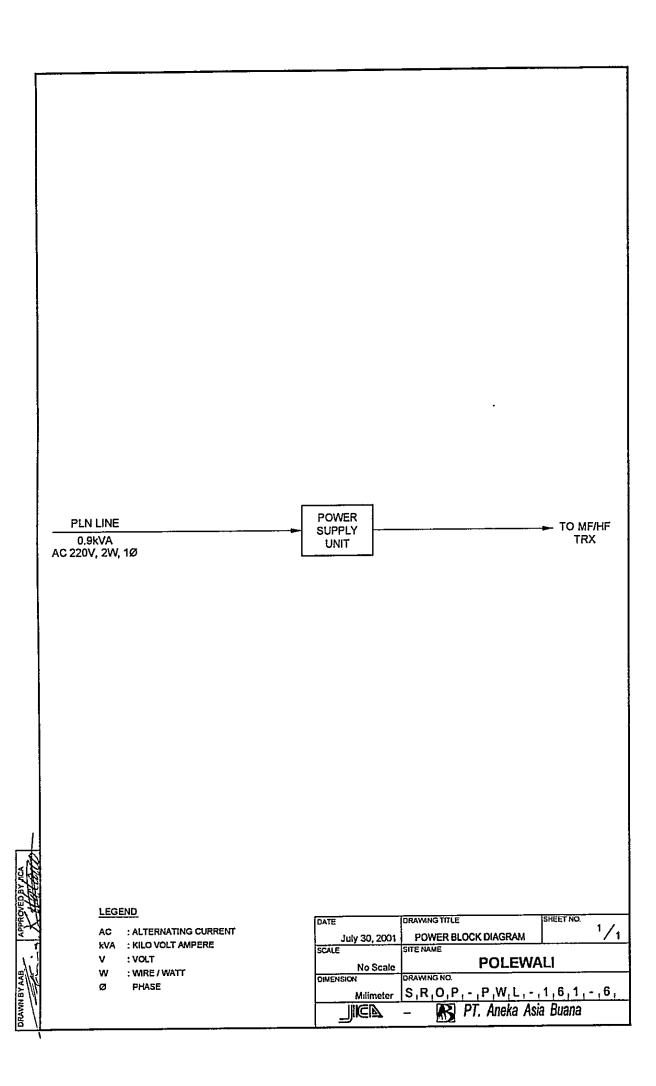
### LEGEND

ANT : ANTENNA

HF: HIGH FREQUENCY
MF: MEDIUM FREQUENCY
TRX: TRANSCEIVER (ING)

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	'/1
SCALE	SITE NAME	
No Scale	POLEWA	ALI
DIMENSION	DRAWINGNO	
Milimeter	S,R,O,P,-,P,W,L,-	,1,6,1,-,5,
	- PT. Aneka As	ia Buana

MN BY AAB. ARPROVED BY



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

#### **Table of Content**

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

#### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CYTHARAADX	7.010	COACT	OTE .	A CICI	103	.T			SIT	E	SINJ	AI	•		
SUMMAK	MMARY OF COAST STATION  OCATION								CLA	SZ	4t	h-B	NO.		162
1. LOCATION															
Station	Addr	224			Tel.			Fa	2 Y	T	ongitu	đe	· · · ·	Latit	nde
TX/RX Jl. Slamet R								1.0	**	120°		50" E	05°		
	-,,									120			- 05		
2 CENTED AY		TTO NO								_	<u> </u>				
2. GENERAL (			Lav												
Moving 1			}-		s from	Port	1		Traffi	C		modat	ion	Pop	ulation
By Air to Makassa	•		r.] 🗆 Hi		ay		□ He				☐ Hote				
By Car to Location	[Takin	g time 5,00 h	r.] ☑ Pa				_	ediun	n .		☑ Mot	el			
		<del></del>	U 01	npave	ed roa	đ	☑ Li								
							□ No	one			<u> </u>				
	3. C	ONDITIO	NS O	F S	TAT.	ION						Refer	to atta	ched	drawing
3.1 Site Condition	ons														
Topography		Nature	of Soil			T	Past	disast	ter of si	te	Confi	mation	ı of ex	isting	system
☑ Flat	□ D	ry soil		imest	one		Floo	d				ίο		=	
☐ Slope		rdinary		ravel				d Tid	le		<b>Ø</b>	] An	tenna		
☐ Hill-top		wampy						Leak					wers (	Mast	(s)
□ Basin		lay	·						ubside	nce	<b>1 2</b>		oundi	_	
□ Valley	L	andy	☐ Ground								<b>Ø</b> (		htning		
Altitude	1	7.00	M					~~~	e Line	5	<b>Ø</b> (		der C		
Land area	$\frac{m^2}{m^2}$					<u> </u>	Lines				/ wate		···-		
3.2 Buildin	a Cond	itions	3.3					2 2 E							
	ructions	1110112	PLN Source							301		: D.		C	lisione
		**	Voltage	_		20 V	-		E/G	v	Good Ba	ing Po	wer	_ono	IEIOHS
Structure						20 V				<b>V</b>		_	or Su	2011	System
	Structure Concrete Pha Type of roof Zinc Wir					<u></u>							ration		
Type of ceiling	kVA	+		0.9	$\dashv$				<del>   </del>		ration				
	KVA		\al:4		DT BI -										
Type of wall Wall finish	Quality of PLN source Fluctuations 220 V ± 10								city o	i inei		Liter			
	Fluctuations 220 V ± 10 Availability of power per day							Day tan				k Liter			
Flooring	Tile	····						+		_	Main ta		11		
	rea (m²		Power		•			+	10 Ti			G Stai		_	em
Operation room		12 00	Total in					<u> </u>	10 H			Single			
E/G room			Max. in	terpt	. hour	's at c	nce		1 H	ours	<u> </u>	Dual S	ystem		
Remark															
r															
4. OPI	ERATI	ON AND I	MAINTENANCE					5. PERSONN			L FC	<u>RM</u>	<u>AT</u>	IONS	
			pment failure				_				TX	/RX	$\perp$		
Restoration flow		ne technician							Chief				1		
Examples of major failure							_	Operator (skilled			<u> </u>	0		0	
Sufficiency of spares	Not en								Technician (skilled				()		()
	of dama	ages				al Co	nditio	ns /				1			
☐ Heavy rainfall			Good	Bad	1				Administrator			<u> </u>			
☐ Storm					Exte	rnal i	ioises	1	Total				1		
☐ Lightning					Air r	ollut	ion								
☐ Other calamity															
j	man Sta	tuse	S						Traini						
1 Budget		☐ Sufficient	t 🗆 Re	asona	able	☑ In	ufficie	ent	Course	е .	Class	Locat	tion Period Trainee		
2 Spares		☐ Enough	□ Re	asona	able   ł	ØΝ	t enou	ıgh				!			
3 Measuring eqpt./t		□ Enough					t enou								
4 Number of Opera		☐ Enough	□ Re	asona	able   I	☑ No	t enou	ıgh							
5 Number of Techn		☐ Enough	n □ Reasonable ☑ Not enough												
6 Capability of Ope		☐ Skilled	_				t capa					]			
7 Capability of Tech	hnician	☐ Skilled		t so i	bad   f	⊠ No	t capa	ble		<u> </u>		1	<u> </u>		

CITTA ATRA	( A ID X/	OF C	O A CT	י ביור איי	rtani			SITE	SINJ	AI		
SUMM	AKY	Of C	OASI	<b>51A</b>	HUN			CLASS	4	th-B	NO.	162
		6. STA	TISTIC	CAL CO	MMU	VICA'	TION T	RAFFI	C DA	ΓA		
	Mai	ritime Sa	fety			Pu	ıblic Tel	lecomm	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
					1	Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			
				7.	COM	MEN'	TS				-	
Suggestion		on is not yet mmunicatio	completed n only for o	by call sign fficial fixed	for Maru as the ch	e Mobil annel cor	e official us mmandant i	sed from Ditje	n Hubla			<del>-</del>
Remarks	Operated	l by Kanpel	Staff	- · ·				·	<del>-,</del>			

SNJ-162- (111)

Site Name: Sinjai

INVENTORY

Condition	Good	
Maintenance Record		
Reference		
Date	1661	
Manufacturer	ICOM	
Serial No	4268	
Type	IC-M700	
Description	Radio Equipment Transmitter MF/HF Transceiver	
Registered No.		
No		

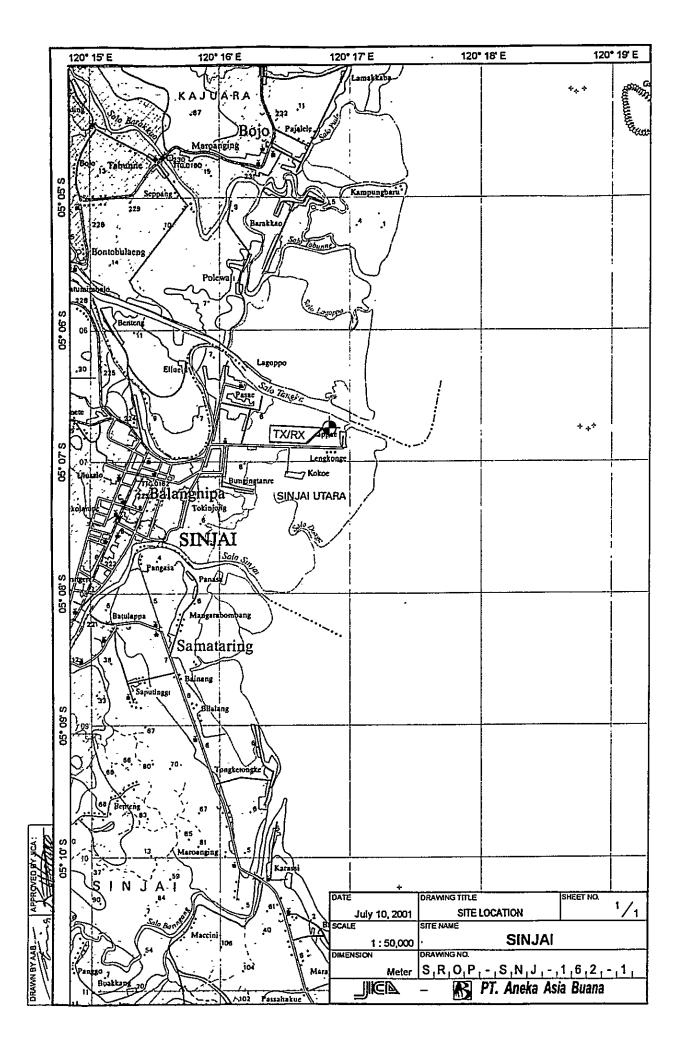
SNJ-162-(1/1)

OPERATION SCHEDULE
(FREQUENCIES)

Call Sign: Mobile Service:
Fix Service:

Site Name: Sinjai

ľ					
	FREGUENCY (KHz)	EMISSION	S EK	OLC	REMARK
				0 0 0/ 08 09 10 11 12 13 14 15 16 1/ 18 19 20 21 22 23 24	
	Mobile Service				
-	2.182,0	J3E	100		
8	6 215,0	J3E	100		•
	Fix Service				
က	5 165,0	, 3E	100		•
4	5.295,5	JSE	100		
c					
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3					



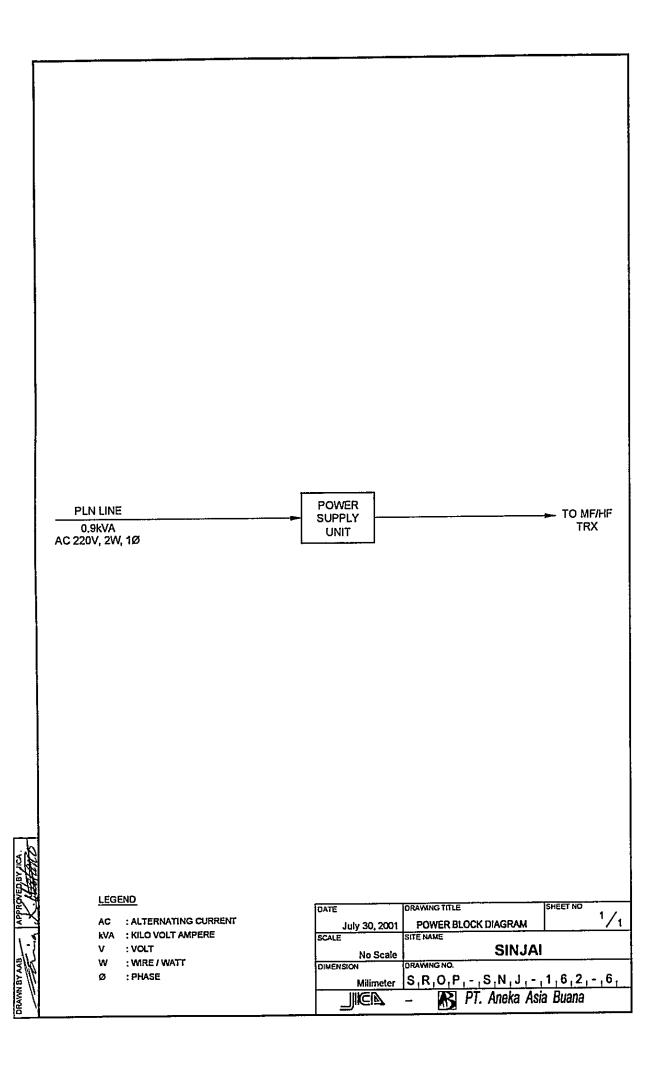
MF / HF

#### <u>LEGEND</u>

ANT : ANTENNA

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER (ING)

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	'/1
SCALE	SITE NAME	
No Scale	SINJA	<u> </u>
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,S,N,J,-	1,6,2,-,5,
	- R PT. Aneka Asi	ia Buana



4th-B Class Coast Station

Jeneponto

(Coast Station No. 163)

#### **Table of Content**

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

#### TRX Drawings:

- ☑ Site Location
- Antenna Layout
- ☑ 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)

										SITE			TE	NEL	ONT	·^			
<b>SUMMAR</b>	Y O	F COAST	ΓS	TA	IT	<b>ON</b>	•				S11.		- JE	4th		N	<u> </u>	T	163
1. LOCATION	J										0.132			7111		<b>P</b> ''	<del></del>	<u>-L-</u>	100
Station		ddress		τ		Tel.		Т	F	ax		1	Longi	tud	e		Lati	tuc	de
TX/RX									119° 33′ 00″ E				0.5			00" S			
2. GENERAL	CON	DITIONS								-	· · · · ·								
Moving			S	Site A	cces	from	Port		Road	d Tr	affi	<u> </u>	Acc	omn	nodati	on	Por	oul	ation
				J Hig	zhwa	y		-	leavy			-	ΠН		•				
			_	☐ Paved ☐ Medium						□ M	lotel								
			Ē	] Un	pave	d road			ight										
		,						ΠИ	one										
	3.	CONDITIO	NS	OF	' SI	ATI	ON							R	efer t	o at	ttache	d d	rawin
3.1 Site Condit																			
Topography		Natur	e of	Soil		-		Past	disa	ster	of si	te	Cor	ıfira	ation	of e	existin	g s	ystem
□ Flat		Dry soil		Li	mest	one		Floo	od				Yes	No	,				
□ Slope		Ordinary		Gr	avel			Floo	od Ti	ide				₹	Ant	enn	а		
□ Hill-top		Swampy		Ro	cky			Rair	n Lea	akag	ge.			Ø	Tov	vers	(Ma	sts)	
□ Basin		Clay						Gro	ound	Sub	side	nce		図	Gro	unc	ling s	/ste	m
□ Valley		Sandy												$\overline{\mathbf{Q}}$	Ligi	ntni	ng sy:	ter	n
Altitude			M					Tele	epho	ne l	Line	s		Ø	Feed	ler	Cable	W	ay
Land area	Land area  3.2 Building Conditions									L	ines			团	City	wa	ter		
3.2 Building							3.3	Po	wer	So	urce								
Cons	Constructions					LN So	urce	•		E/0	G		Ex	istir	ıg Po	wei	r Con	dit	ions
Num. of story					1		V				•	Ÿ.	Good	Bad					
Structure															Powe				
Type of roof	<u> </u>		Wi	re											Oper				
Type of ceiling					<u> </u>			<u> </u>						₫	Oper	atic	ns of	٨١	/R
Type of wall				Quality of PLN sou											ity of	fu	el for		
Wall finish				Fluctuations					V ±	%			Day 1					L	iter
Flooring				Availability of power Power interruption /							Hours Times		Main tank		k Liter				
	Room Area (m²)															nd-by System		n	
Operation room			_			hours													
E/G room	<u> </u>		Max. interpt. hours at				at o	nce	Щ.		H	ours		Dı	ual Sy	ste	m		
Remark	No Da	ita (operated by	Kan	pel S	tati)														
	1								<del></del>										
4 00	TDA	TION AND	N/T A	TNIT	ואיזיי	A NIC	יזוי				n r	DC	ONIN	T T T	FO	אכו	MAT	17.	MIC
							. <u>rc</u>			٥.	PE	NO.	UNI	1JUJ				ж	פאני
Restoration flow	Action	ıs taken in equi	pme	: ML 12	mur	<del>-</del>				Chi	of				TX	KA			
Examples of major failu	re										_	or (el		_		_	$\frac{1}{2}$		0
sufficiency of spares										Operator (skilled) Technician (skille				0				0	
				Favironmental Condi				nditi	one	<del></del>				4	+ 0		<del>'</del>		
Records of damages  Heavy rainfall				Environmental Condi				110111	3113	Administrato			<u>)r</u>			$\dashv$			
□ Storm				Good Bad External no				oises	: 1	Total					$\dashv$				
Com Com Company Compan			T		Ø	Аіг ро				Total			1	<del> </del>					
Other calamity									i					T†					
	Institutional and H				tuses	;					*-		Tra	inin	g Rec	ore	i		
1 Budget		☐ Sufficien	t   C	l Rea	sona	ble	Ins	uffici	ient	C	DUTS	e T	Clas	s  I	Locati	on	Perioc	ĪΤ	rainee
2 Spares		☐ Enough		Rea	sona	ble  □	No	t eno	ugh			T						1	
3 Measuring eqpt		☐ Enough		Rea	sona	ble 🗀	No	t eno	ugh									$\prod$	
4 Number of Oper		☐ Enough				ble 🗀										$\Box$			
5 Number of Tech		☐ Enough				ble 🗆										_		_	
6 Capability of Op				Not				t cap				$\perp$				_		_	
7 Capability of Te	chnicia	ın │□ Skilled	٦٢	l Not	so b	ad 🗆	l No	t capa	able									1	

RIIMN	IARY	OF C	OAST	STA	LION	•		SITE		EPONT		
			<u> </u>	. <b></b>			,	CLASS	s 4t	h-B	NO.	163
		6. STA	TISTIC	CAL CO	MMU	VICA'	TION T	RAFF	IC DAT	ſΑ		
	Mai	ritime Sa	fety			Pt	blic Te	lecomr	nunicat	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					
uggestion												
Remarks				•	=		····					

Site Name: Jeneponto

Condition	
Maintenance Record	
Reference	no ion
Date	tat
Manufacturer	le doe oast S
Serial No	ailab m C
Type	ot Av
Description	Data not Available doe to no Response from Coast Station
Registered No.	
N <sub>0</sub>	,

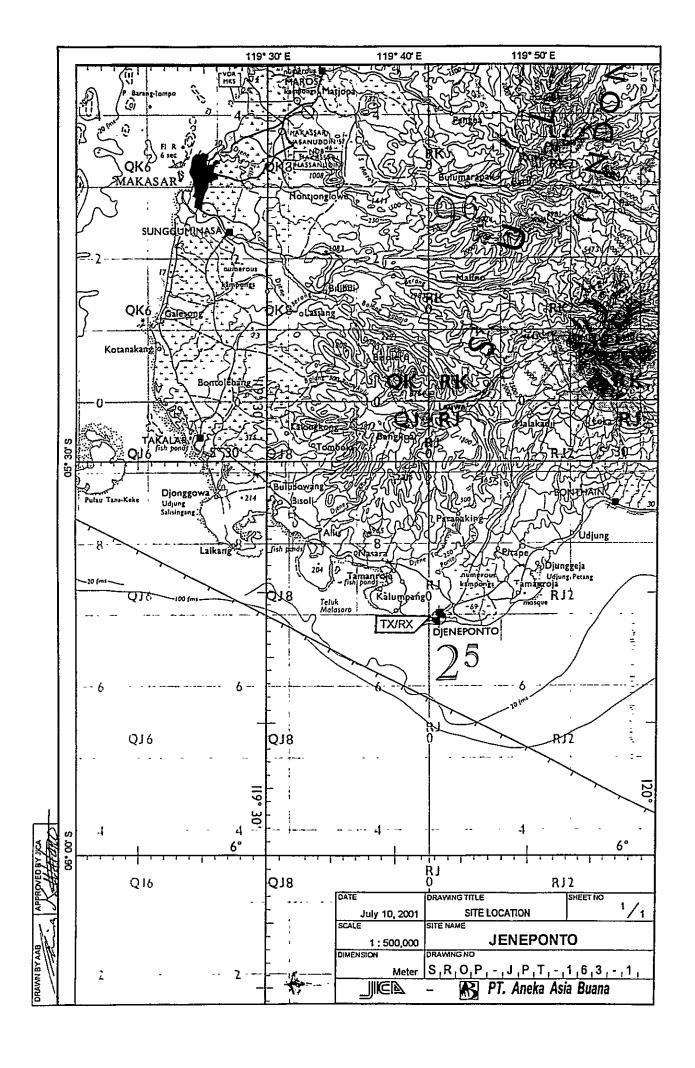
Makassar

# JPT-163-(1/1)

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

Site Name: Jeneponto

	FIX Service			
FREQUENCY	NOISSIMB	POWER		
(kr72)	10000	<u> </u>	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
	:			
! !				
2				
e				
4				
1				
9				
7				
<b>&amp;</b>				
o o				
-0-	:		Data not Available doe to no	
11				
12			Kesponse from Coast Station	
<u>E</u>				
14				
15				
16				
17				
18				
19		:		
20		-		
21				•
22				
23				
24				
25				
26				
27]				
				-

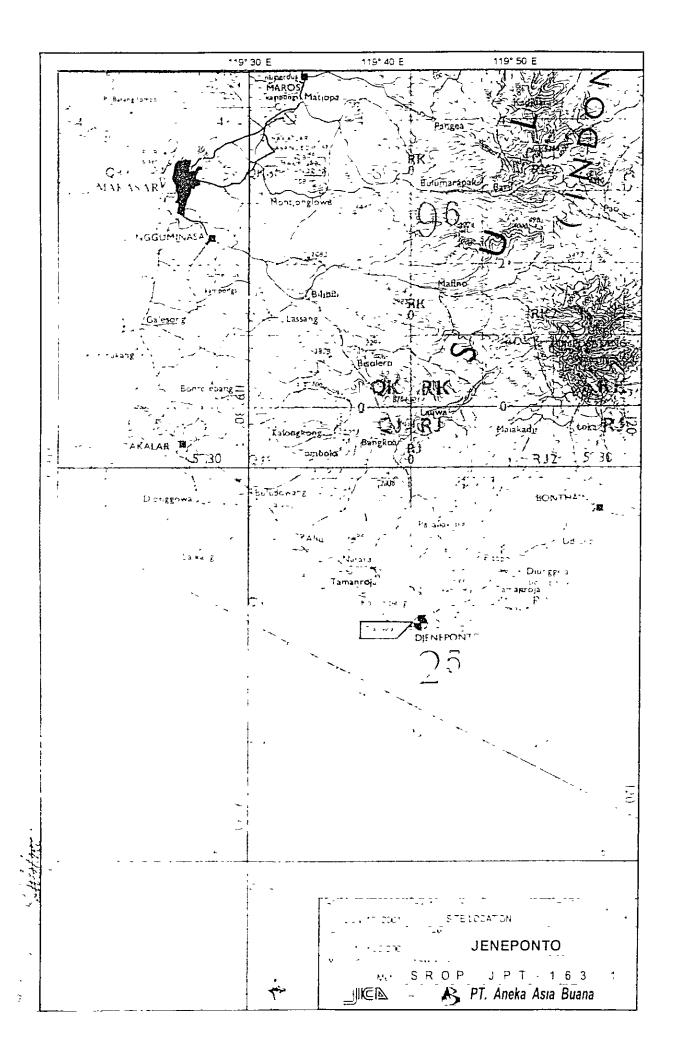


# THE STUDY FOR MARITIME TRAFFIC SAFETY SYSTEM DEVELOPMENT PLAN IN THE REPUBLIC OF INDONESIA

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

SUB DISTRICT NAVIGATION AREA (19) KENDARI

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



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SUB DISTRICT NAVIGATION AREA (19) KENDARI

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

### Sub District Navigation Area (19) Kendari

#### **Table of Content**

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

# Sub District Navigation Office (Area-19) **Kendari**

#### **Table of Content**

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CTIMANAAD	V OF DISNA	<b>X</b> 7				SITE		KENDAI			
SUMMAR	Y OF DISNA	<u> </u>				CLAS		Sub	NO.		19
1. LOCATION	٧										
	Address		Tel.			ax		ngitude		Latit	ude
Jl. Jend. Sudirman No	o. 70, Kendari		0401-3219	107	0401-3	321907	٥	, ,	0		"
									<u></u> l		
2. GENERAL	CONDITIONS										
Moving	from Jakarta		Access from I	Port	Road	Traffic		Accommod	lation	Pop	ulation
By Air to Kendar		[hr.] ☐ Hi			Heavy			I Hotel			
By Car to Location	on [Taking time: 0:45	hr.] 🗹 Pa		_	Mediun	<u>n</u>		] Motel	_		
		Ur Ur	npaved road		Light		_ -				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				None		$\dashv$		. !	==		
3	3. CONDITIONS	OF DI	ISNAV O	£			Refe	er to atta	ched	drawing	
3.1 Site Conditi	ions										
Topography		re of Soil				ter of site		Confirmati	ion of exi	sting	system
☑ Flat	☐ Dry soil		imestone	□ Fle	ood		,	Yes No		_	
□ Slope	☐ Ordinary		ravel		lood Tid		_		Antenna	_	
☐ Hill-top	☐ Swampy	□ Ro	ocky		ain Leal	_			owers (i		
☐ Basin	Clay			□ Gr	round S	Subsidenc			roundin.		
☐ Vailey	□ Sandy			<del> </del>	<del></del>	<del></del>			ightning		
Altitude Land area		m m²		Te	elephon 1	ne Lines			eeder Ca		Nay
		_ <del>m-</del>		[A]		Lines			City water	<u> </u>	
	ng Conditions			<del></del>		Power S	<u>Sour</u>				<b>.</b>
	tructions	17274001	PLN So		·	E/G	<del> </del>	Existing ood Bad	Power C	<u>'ond</u>	itions
Num. of story Structure	One Concrete	Voltage	<del></del>	V		V	_		Com		7
Type of roof	Asbestos	Phase Wire	<del> </del>				_		ower Sup perations		
Type of ceiling		kVA	<del> </del>						perations perations		
Type of wall	Brick	- KVA	Quality	of PLN	source	<u> </u>	十	Capacity			
Wall finish	Mortar	Fluctuat		U1 A A	V±9		<u> </u>	ay tank	1		Liter
Flooring	Ceramic		ility of powe	r ner da				lain tank			k Liter
	Area (m²)		interruption /	7	Time			tand-by			
Operation room	<u></u>		terpt. hours		. —	Hou			e System		
E/G room			terpt. hours			Hou			System		
Remark									<del></del>		
	<u> </u>										
4. OP	ERATION AND	MAIN?	TENANC'	E		5. PEF	RSO	NNEL I	ORM	ATI	ONS
	Actions taken in equ	****									
Restoration flow						Chief					
Examples of major failur	ne l					Operator		<del></del>		<del>'</del>	
Sufficiency of spares	<u> </u>	<del>,</del>				Technicia		illed)	C	<u>)                                    </u>	
	ls of damages		ironmental	Condi	tions /	Administr	rator				
☐ Heavy rainfall		Good	<u> </u>	<del></del>							
□ Storm			<del></del>	nal noise	<u> s 7</u>	Total					
Lightning			☑ Air po	llution							
☐ Other calamity	Institutional and Hu						<del></del>	<u>   </u>		—	
1 Budget			asonable 🚨	Ton 66	-iont	Course		Training R	tecord ation Per	-:d ·	Trainge
2 Spares	☐ Enough		asonable 🗆			Course	4	THESE ILUC	ation rei	704	1 ramee
3 Measuring eqpt./			asonable 🗆				+			+	
4 Number of Opera			asonable 🔲			<del></del>	!			$\dashv$	
5 Number of Tech			asonable 🗆	·			<del>-</del>			+	
6 Capability of Ope	<del></del>		t so bad D				<del>'</del>				
7 Capability of Tec			t so had				<del></del>			1	

SUMM	LADV	OF D	TONIA	<b>L</b> 7				SITE	KEN	DARI		
SOIMIN		Or D	ISINA	<u> </u>				CLASS		Sub	NO.	19
		6. STA	TISTIC	CAL CO	MMU	VICA'	T NOI	RAFF	C DA	ГА		
	Mai	itime Sa	fety		"	Pu	blic Te	lecomm	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	ohone	TG Cali	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					
Suggestion	In accord	ance with thing list for t	e necessity	and formati	on, SROP	Opearto	ors Sub Dis	nav Kend I: 1 Perso	ari are ne on - TTP-	cessary to	have train	ing This
Remarks	No Data		<del>-</del>							•	•	· · ·

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

#### **Table of Content**

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

#### TRX Drawings:

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

#### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CITIBARA A IDS	V OF COAS	TCT	ATTO	N.T		SIT	E	KEN	DARI					
SUMMAR	Y OF COAS	1 51.	AIIU	17		CLA	ASS	:	3rd	NO.		164		
1. LOCATION	¥													
Station	Address	1	Te	1.		Fax	L	ongitu	ıde	3	Lati	atitude 58' 38" S  Population 850,000  hed drawing ting system fasts) (system system ole Way  onditions  oly System of E/G of AVR or engine 00 Liter 1 k Liter		
TX/RX Jl. Mutiara			3272				122°		55" E	05°				
2. GENERAL	CONDITIONS													
	from Jakarta	Site	Access fro	m Port	Ro	ad Traffi	<u>.                                    </u>	Accor	nmodati	on	Pon	ulation		
By Air to Kendari		[h:] ☑ H			□ Hea			☑ Hot	el					
By Car to Location		hr.] 🗆 Pa			☐ Med			□ Mot						
		UU	npaved ro	ad	☑ Ligi							•		
					□ Non						•			
	3. CONDITION	ONS O	F STAT	ITON					Refer t	o atta	ched	drawin		
3.1 Site Conditi		0110 0	<u> </u>	11011			1							
Topography		re of Soi	t	1	Past di	saster of si	to	Confirmation of existing system Yes No						
☐ Flat	☑ Dry soil		imestone							UI CA	sung	, system		
☐ Slope	Ordinary		ravel	6			ŀ			enna				
☑ Hill-top	☐ Swampy		locky	6		Leakage	ŀ				Masi	(2)		
☐ Basin	□ Clay			Ø		nd Subside	nce							
☐ Valley	□ Sandy			]			···							
Altitude	16.00	) M			Telep	hone Line	s	Ø						
Land area	4,000	m²		Ø	1	Lines				wate				
	g Conditions				3.	3 Power	Sou	rce						
	tructions		PLN	Source		E/G			ting Po	wer (	Cond	itions		
Num. of story	One	Voltag		220 V		220	v	Good B						
Structure	Concrete	Phase		3			3	<b>7</b>	Powe	er Sur	ply	System		
Type of roof	Asbestos	Wire		4			4							
Type of ceiling	Triplex	kVA		6.6		1	0	<b>2</b>						
Type of wall	Brick		Quali	ity of P	LN sou	ırce		Cap	acity of	fuel	for e	ngine		
Wall finish	Mortar	Fluctua	tions		220 V :	± 10 %	Ī	Day tar	ık	1	00	Liter		
Flooring	Ceramic	Availat	oility of po	wer pe	r day	24 H	ours	Main ta	ınk	•	1	k Liter		
Room A	Area (m²)	Power	interruption	on /mor	ıth	30 Ti	mes	E	/G Stan	d-by	Syst	em		
Operation room	28.60	Total in	nterpt. hou	ırs /mo	nth	120 H	ours	Ø	Single S	ysten	1			
E/Groom	20.00	Max. ir	nterpt. hou	ırs at oı	nce	8 H	ours		Dual Sy	stem				
Remark														
4. OP	ERATION AND	MAIN	TENAN	ICE		5. PE	RSC	NNE	L FO	RM	AT]	ONS		
	Actions taken in equ		failure						TX/	RX	<u> </u>			
Restoration flow	Repaired by Hims					Chief				1				
Examples of major failur		ransmitte	er			Operato			1	l (3)	<u> </u>			
Sufficiency of spares	Not enough			<u> </u>		Technic			<u>.</u>	1()	<u> </u>	0_		
\- <u> </u>	s of damages		vironmen	tal Cor	ıdition.	s Adminis	strato	<u> </u>						
☐ Heavy rainfall		Good		····-										
□ Storm				ernal n		Total			1	13	_			
☐ Lightning		Ø	☐ Air	polluti	on						<del> </del>			
Other calamity	T		<del>  </del>			-		Training Record						
<del></del>	Institutional and Ho			EZ T	· 00: -:	Course		t raini Class			امط	Trainee		
1 Budget			asonable				<del>-</del>   -	Oru	Jakarta		91	1 tamee		
2 Spares 3 Measuring eqpt./	tools ☐ Enough		asonable				+	Oru	Jakarta		94	<del>-</del>		
4 Number of Opera			asonable				_	II	Jakarta		94	<del></del>		
5 Number of Tech			asonable				_			+-		<u> </u>		
6 Capability of Ope			ot so bad				1		1		$\neg$			
7 Capability of Tec														

SUMM	IADV	OF C	OAST	CTAT	rian'	 [		SITE	KEN	DARI		
2014TIA		OF C	OASI	DIA.	LIUN	<u> </u>		CLASS	:	3rd	NO.	164
		6. STA	TISTIC	CAL CO	MMU	VICA:	TION T	RAFF	C DA	ΓA		
	Mai	ritime Sa	fety			Pu	blic Te	есотп	unicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	hone	TG Cali
						Call	Minute			Call	Minute	
1996		24			1991	142	18		1996	452	57	
1997		10	•		1992	157	20		1997	326	41	
1998         27         1993         168         21         1998         248         31												
1999		14			1994	216	27		1999	205	26	
2000 6 1995 264 33 2000 174 22												
	7. COMMENTS											
Suggestion	additions	nal operator on al facility	n Distress	Frequency:	2182.0 KI	ız and 62	215 Khz is	needed all	band rec	civing equ	ipment as	
Remarks												

INVE	INVENTORY		Site P	Site Name: Kendari	ari			KNI	KND-164- (1 / 6)
Š	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
<del></del>		Radio Equipment							
1		MF/HF System							
1-1-1		Transmitter							
<b>⊸</b> (		HF Transceiver	NTD-177	BS-14323	JRC	1974			Damaged
7 ~		Fif Transceiver	NTD-177	BS-14324	JRC	1974			Damaged
4		SSB Kadio Lelephone SSB Transceiver	NS-11	5153632	ruruno	1984			Damaged
1-1-2		Receiver			1 1 7 17	2021			Саптадео
-		All Wave Receiver	FRG-7700	M1H-100403	Yaesu	1982			Damaged
7		All Wave Receiver	FRG-8800	9D310085	Yaesu	1990			Damaged
m 		FM/AM Multi Band Receiver	ICF-6800W		Sony				Damaged
1-1-3		MF/HF Operation Console							
		MF/HF Console	RH-16-3	900	Sailor	1996	F-TA-193:PH3		Good
-		MF/HF Equipment							
		Tx (600 W) (on the wall)	T2131	517367	Sailor	1996	F-TA-193:PH3		Good
		Tx (600 W) (on the wall)	T2131	520488	Sailor	1996	F-TA-193:PH3		Good
		AC Power Supply	N2171	520999	Sailor	1996	F-TA-193:PH3		Good
		AC Power Supply	N2171	521004	Sailor	1996	F-TA-193:PH3		Good
		Antenna Coupler (on the wall)	AT2112	522621	Sailor	1996	F-TA-193:PH3		Good
		Antenna Coupler (on the wall)	AT2112	522622	Sailor	1996	F-TA-193:PH3		Good
		CW Unit	H2185	513504	Sailor	1996	F-TA-193:PH3		Good
		CW Unit	H2185	512148	Sailor	1996	F-TA-193:PH3		Good
- 5		All Wave Receiver							
		Control Unit HF1	RE2100	521638	Sailor	9661	F-TA-193:PH3		Good
		Control Unit HF2	RE2100	521644	Sailor	1996	F-TA-193:PH3		Good
		Duplex Receiver	R2120T	511886	Sailor	1996	F-TA-193:PH3		Good
		Duplex Receiver	R2120T	511891	Sailor	1996	F-TA-193:PH3		Good
r		Loudspeaker (2)	H2054		Sailor	1996	F-TA-193:PH3		Good
<b>-</b>		Spot Receiver	Š		:				
		Mr/Hr DSC W/K KX Power Supply	RM2150 N2165	525152	Sailor	1996	F-TA-193:PH3 F-TA-193:PH3		Good
				2555					7000

Kendari

N <sub>o</sub>	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1-2		VHF System							
1-7-		VIII I FAIISCEIVEF			ç				
- r		25W VHF Marine Kadio Telephone	JHV-22/YA	16789	J.KC	1980			Damaged
4 (		VHF Transceiver	FIC-1540A		Yaesu	1982			Damaged
~		VHF Transceiver	JHV-217	CE-51949	JRC	1974			Damaged
4		VHF Transceiver	JHV-217	CE-51950	JRC	1974			Damaged
'n		Duplexer 50 Ohm	NFJ-24YN	9-1235	Giken	1989			Damaged
1-2-2		Operation Console							0
		VHF Console	RH-16-1	600	Sailor	1996	F-TA-193;PH3		Good
		Multichannel VHF Transceiver						•	1
		VHF Transceiver	RT 2048	523726	Sailor	1996	F-TA-193:PH3		Good
		VHF Transceiver	RT 2048	523725	Sailor	1996	F-TA-193:PH3		Good
		VHF Transceiver	RT 2048	523675	Sailor	1996	F-TA-193:PH3		Good
		VHF Transceiver	RT 2048	523716	Sailor	1996	F-TA-193;PH3		Good
		Linier Power Amplifier	A2080BE-H	244	Sailor	1996	F-TA-193:PH3		Good
		Linier Power Ampliffer	A2080BE-H	318	Sailor	1996	F-TA-193·PH3		Good
		Linier Power Amplifier	A2080BE-H	300	Sailor	1996	F-TA-193:PH3		Good
		Linier Power Amplifier	A2080BE-H	226	Sailor	1996	F-TA-193:PH3		Good
		Duplex Filter	1	594152	Sailor	1996	F-TA-193:PH3		Good
		Duplex Filter	1	594144	Sailor	1996	F-TA-193:PH3	•	Good
<b>∞</b>		CH-70 VHF T/R		45.7-				-	
		VHF T/R	RT2048	523734	Sailor	9661	F-TA-193:PH3		Good
		High Low I/F Unit (2)	•	2	Sailor	1996	F-TA-193·PH3		Good
		RF Power Amplifier	A2080BE-H	229	Sailor	1996	F-TA-193.PH3		Good
		AC Power Supply	N163S	N16310	Sailor	9661	F-TA-193:PH3		Good
	-	DC Power Supply	N420	N42010	Sailor	9661	F-TA-193:PH3		Good
		AC Power Supply	PSF-1	TWR/12770/14	Sailor	9661	F-TA-193-PH3		Good
0		Term.Equipt. (DSC VHF/HF)							 
		Audio/Digital Matrix	MTX-1616	149	Sailor	1996	F-TA-193:PH3		Good
01		Telephone Repeater							
		Radio/Tel I/F Unit	RTU-280	185	Sailor	1996	F-TA-193:PH3		Good
						1			

# KND-164- (4 / 6) Site Name: Kendari INVENTORY

Condition		Damaged Good	Good	Sood Good	3	Damaged	2000	Good		Damaged	Damaged	Damaged	Good			Damaged	Good	7000	Good	3	Good	•	Damaged	Damaged	Damaged	Damaged
Maintenance Record																										
Reference		F-TA-193;PH3	F-TA-193:PH3	F-TA-193:PH3 F-TA-193:PH3		ct 400 to 500	F-TA-193:PH3	F-TA-193 PH3					F-TA-193·PH3				F-TA-193 PH3 F-TA-193 PH3		F-TA-193:PH3		F-TA-193:PH3					
Date		1996	1996	1996		1974	1996	1996		1974	1979		1996			1974	1996 1996	?	1996		1996		1974	1974	1974	1979
Manufacturer		Sailor	Sailor	Sailor		JRC Seiler	Sailor	Sailor		JRC	IL IL		Sailor			JRC							JRC	JRC	JRC	INI
Serial No					1	v c	1			BP-73285	030-30		001008			BP-10295	9511	• •	9508		9510		BP-74818	CA-24836	CA-24837	U30-30
Туре		Square AT30SS	AT20SS			AE-234 HE7	E-22	VHF 3		XW-49	XW-49	No.1 & No.2	AAD10/1/A-J1-6G 001008			NCB-430A	PL 95-7s		IST 10P3		STU 10P3		NBA-9010	NBA-849	NBA-849	NDA-2015
Description	Tower & Antenna System Tower & Mast TX Station	15mHx2 Tower 30mH Self Supporting Structure (1)	20mH Self Supporting Structure (2)	Lignthing Protector (3) Grounding (3)	Antenna System	Dummy Antenna (5) Inverted I Antenna (2)	D/D Antenna (1)	VHF Antenna (3)	Antenna Selector	Antenna Coupler	Antenna Coupler	XM I K Select	Antenna Distributor	Power Supply Equipment	Power Distribution Board	Power Distribution Board	Control Panel (10 kVA AMF)	Isolation Transformer	7.5kVA, 4W, 3P	Step-Up Transformer	9.9kVA, 4W, 3P	UPS & AVR	Power Unit	Power Supply	Power Supply Power Supply	ower Supply
Registered No.		NI NI		U	7				7				<b>*</b>	_ <b></b>	<u>. T</u>	<u> </u>		944		<u> </u>	<u></u>	<u></u>	<u> </u>	<u> </u>	<u>.</u>	1
No	2 2-1	- 6	m 7	\$ v	2-2	- ^	) m	4	2-3	- (	7 6	٦.	4	3	3-1	c	4 M	3-2	_	3-3	- -	4-6	- (	77 (	J 4	-

Kendari

							Maintenance	
Registered No. Des	Description	Type	Serial No	Manufacturer	Date	Reference	Record	Condition
Accumulator (4)		N-100		SS	1992			Damaged
Accumulator (2)		N-100	•	S				Good
Accu Charger		12E(A)	9655	Stanley	1974			Good
AVR SkVA		YAC-5K	A3-4317	Y'bishi	1974			Damaged
AVR: 7.5kVA, 4W, 3P	4W, 3P	AVR7P3	9502		9661	F-TA-193:PH3		Good
Engine Generator	or							
Generator 5kVA		TS-130C		Yanmar	1975			Damaged
Generator 5kVA		TS-80		Yanmar	1980			Damaged
10 kVA Single S	10 kVA Single Standby E/G System							Good
Engine		EG 10 RA	584127	Kubota	1996	F-TA-193:PH3		Good
10 kVA Generator	erator	V-1505E	CO51634/8	Kubota	1996	F-TA-193:PH3		Good
E/G Panel		BC1-164-D	9511	Kubota	1996	F-TA-193:PH3		Good
Fuel System		•						Good
Starting, Fue	Starting, Fuel, Exhaust System			Sailor	1996	F-TA-193:PH3		Good
100 L Fuel Day Tank	Oay Tank			Sailor	9661	F-TA-193:PH3		Good
Fuel Control Unit	Umt			Sailor	9661	F-TA-193.PH3		Good
1000 L Fuel	1000 L Fuel Storage Tank			Sailor	1996	F-TA-193:PH3		Good
  Measuring Equipment	ruinment							
Analog Oscilloscope	De .	PM3065	DM639023	·	1996	F-TA-103-PH3		Good
Plobe/Lead (x2)	x2)					CI 1:201-01-1		2000
Power Cable (x1)								D000
Black Cover (x1)	(x)							200
Operation Manual	fanual							2000
Fluke 87 Multimeter	eter		64510704	Fluke	9661	F-TA-193 PH3		500
Fluke 87 Multimeter	eter		64510705	Fluke	9661	F-TA-193:PH3		Good
Fluke 87 Multimeter	ster		64510706	Fluke	9661	F-TA-193:PH3		Good
Test Lend Set (x1) (3)	et (x1) (3)							Good
Hoester Ho	Hoester House Yellow (x1) (3)							Good
User Manual (x2) (6)	al (x2) (6)							Good
Insulation Tester	in v	2406A			1996	F-TA-193:PH3		Good
Line Plobe (x1)  Earth Plobe (x1)	(XI) 8 (XI)				<del></del> -			Good
	7,117			1			3	2005

INVENTORY

# STATUS OF TROUBLES

SITE NAME: KENDARI

KND-164-(1/1)

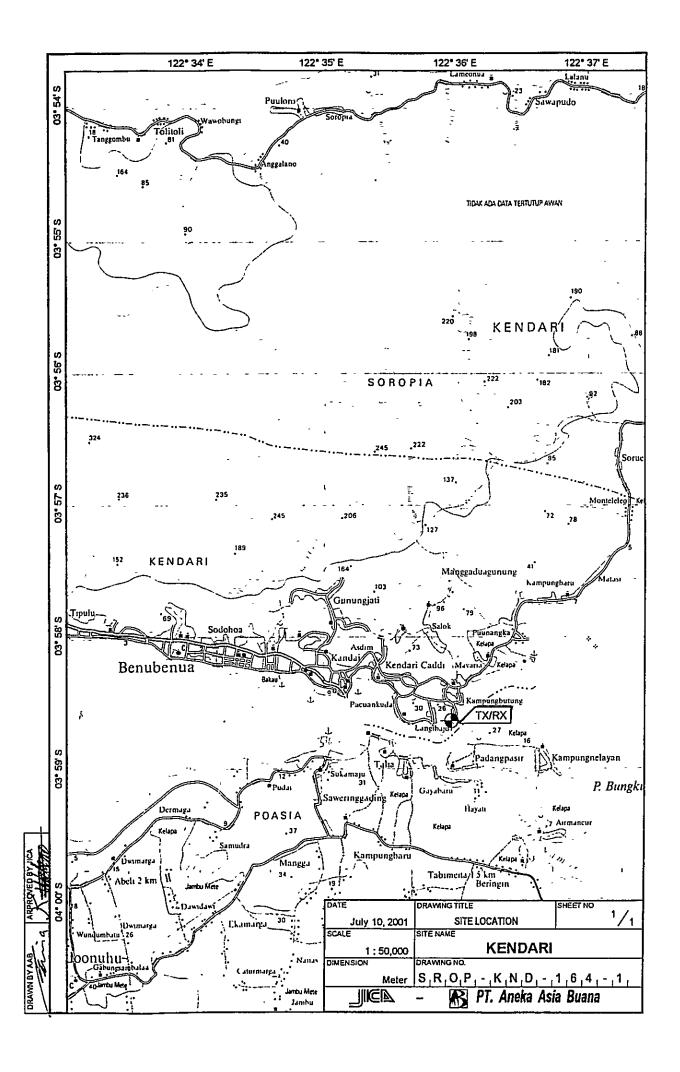
Item / Equipment	Computer TOR / -		
Manufacturer	Japan		
Manufacturer in year	1995		
Defective panel / unit	Power - Panel		
	Cause doe to:		Repairing to be:
	□ Aging		☐ Immediacy
Details of Trouble Status	☐ Lightning	The second of Dans.	图 By next year budget
	☐ Corrosion	orgency or nepair	☐ By next project
	区 Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:	<b>13</b>		
The big problem is un-availability s	The big problem is un-availability spare part to change of damaged component, generally spare part is difficult to find out in the market	conent, generally spare part is difficu	It to find out in the market
Technician is not enough, damaged other technicians	Technician is not enough, damaged equipment can not be repaired, needed training for the technician, and request one capable technician to teach other technicians	ed training for the technician, and rec	quest one capable technician to teach
Necessary training for: TTP-III = 2	Necessary training for: TTP-III = 3 Persons, ORU = 3 Persons, Pre-II = 1 Person	= 1 Person	

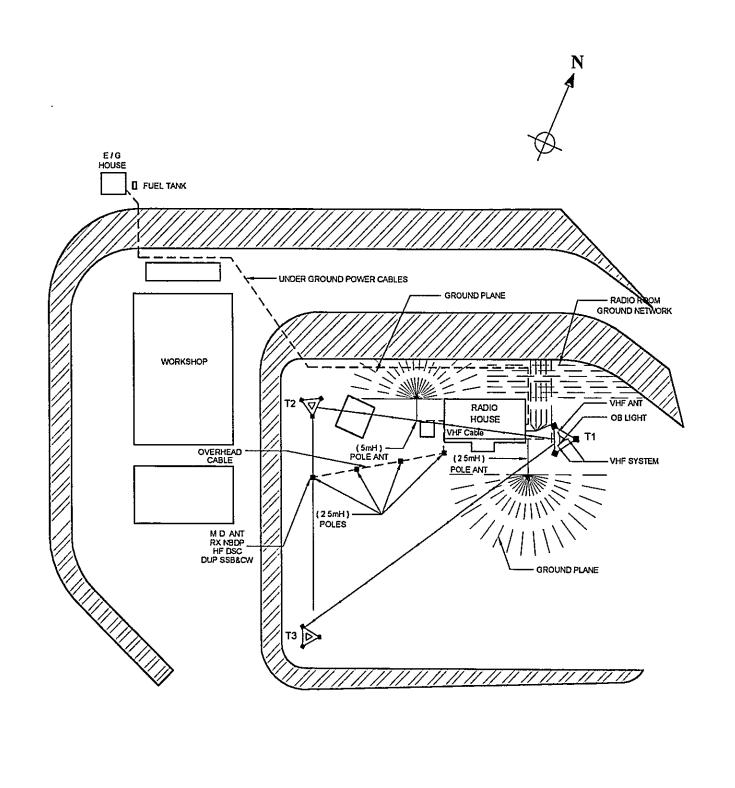
# KND-164-(1/1)

# OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service : PKF3 Fix Service : 8AP2

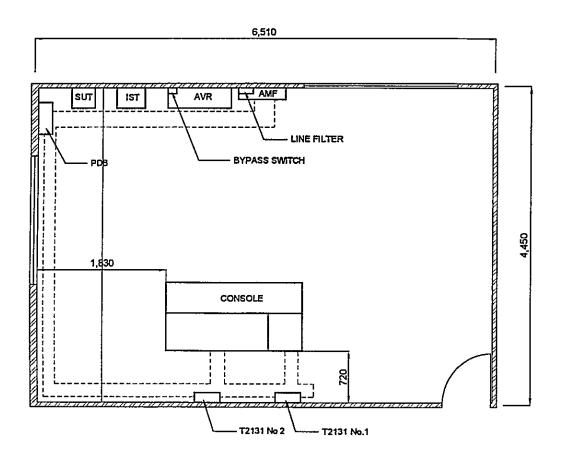
Site Name: Kendari

PREQUENCY   PANSEN   POWER   PREQUENCY	ļ		FIX Service	- 11	
Widdle Service   20   20   20   20   20   20   20   2		FREQUENCY	NOISSING	POWER	UTC
Mobile Service  2 182,0 3 180,		(KHZ)	NO IO IO IO	(w)	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
2 182,0 J3E 2 080,0 J3E 3 180,0 J3E 4 116,0 J3E 4 408,0 J3E 6 215,0 J3E 6 510,0 J3E 8 726,0 J3E 8 746,0 J3E 8 746,0 J3E 2 187,5 J3E 2 187,5 J3E Channel-12 G3E Channel-16 J3E 9 925,0 J3E 9 925,0 J3E	_	Mobile Service			
2 080,0 J3E 3 180,0 J3E 4 116,0 J3E 4 408,0 J3E 6 215,0 J3E 6 510,0 J3E 8 746,0 J3E 2 187,5 J3E 2 174,5 J3E Channel-10 G3E Channel-14 G3E Channel-16 G3E Channel-70 G3E Channel-70 G3E Channel-70 G3E 5 165,0 J3E 9 925,0 J3E	-	2 182,0	ES.	909	
3 180,0 J3E 4 116,0 J3E 4 408,0 J3E 6 215,0 J3E 6 510,0 J3E 8 222,0 J3E 8 222,0 J3E 2 187,5 J3E 2 187,5 J3E Channel-10 G3E Channel-14 G3E Channel-16 G3E Channel-10 G3E Cha	2	2 080,0	335	000	
4.116,0 J3E 4.408,0 J3E 6.215,0 J3E 6.209,0 J3E 8.222,0 J3E 8.222,0 J3E 2.187,5 J3E 2.174,5 J3E Channel-12 G3E Channel-14 G3E Channel-16 G3E Channel-16 G3E Channel-16 G3E Channel-16 G3E Channel-16 G3E Channel-17 G3E S165,0 J3E 9.925,0 J3E	က	3 180,0	HZC HZC	009	
4 408,0 J3E 6 215,0 J3E 6 209,0 J3E 8 222,0 J3E 8 746,0 J3E 2 187,5 J3E 2 187,5 J3E Channel-10 G3E Channel-14 G3E Channel-16 G3E Channel-17 G3E Channel-17 G3E Channel-18 G3E Channel-19 G3E Channel-10 G3E Channel-10 G3E Channel-10 G3E Channel-10 G3E	4	4.116,0	355	009	
6 215,0 J3E 6 209,0 J3E 8 222,0 J3E 8 222,0 J3E 2 187,5 J3E 2 174,5 J3E Channel-10 G3E Channel-16 G3E 5 165,0 J3E 9 925,0 J3E	S	4 408,0	J3E	600	
6 510,0 J3E 6 510,0 J3E 8 222,0 J3E 8 746,0 J3E 2 174,5 J3E 2 174,5 J3E Channel-10 G3E Channel-14 G3E Channel-70 G3E Channel-70 G3E Channel-70 G3E 5 565,0 J3E 9 925,0 J3E	9	6 215,0	J3E	000	
6 510,0 J3E  8 222,0 J3E  2 187,5 J3E  2 174,5 J3E  2 174,5 J3E  Channel-10 G3E  Channel-14 G3E  Channel-16 G3E  Channel-16 G3E  Channel-16 G3E  Channel-16 G3E  S 5 165,0 J3E  9 925,0 J3E	7	6 209,0	J3E	900	
8 222,0 J3E 8 746,0 J3E 2 187,5 J3E 2 174,5 J3E Channel-10 G3E Channel-14 G3E Channel-16 G3E Channel-16 G3E Channel-26 G3E Channel-70 G3E Channel-70 G3E S 165,0 J3E 9 925,0 J3E	80	6 510,0	J3E	009	
8 746,0 J3E 2 187,5 J3E 2 174,5 J3E Channel-10 G3E Channel-14 G3E Channel-16 G3E Channel-26 G3E Channel-70 G3E Channel-70 G3E Channel-70 G3E Channel-70 G3E S 165,0 J3E 9 925,0 J3E	6	8 222,0	J3E	009	
2 187,5 J3E 2 174,5 J3E 2 174,5 J3E Channel-10 G3E Channel-12 G3E Channel-16 G3E Channel-26 G3E Channel-70 G3E Channel-70 J3E 5 165,0 J3E 9 925,0 J3E	9	8 746.0	J3E	009	
2 174,5 J3E  WHF Service Channel-10 G3E Channel-14 G3E Channel-16 G3E Channel-26 G3E Channel-70 G3E S 165,0 J3E 9 925,0 J3E	=	2 187,5	J3E	909	
Channel-10 G3E Channel-14 G3E Channel-16 G3E Channel-16 G3E Channel-26 G3E Channel-26 G3E Channel-20 G3E S 165,0 J3E 9 925,0 J3E	12	2 174,5	JSE	909	
VHF Service         Channel-10       G3E         Channel-14       G3E         Channel-16       G3E         Channel-16       G3E         Channel-16       G3E         Channel-16       G3E         Channel-70       G3E         Fix Service       J3E         5 165,0       J3E         9 925,0       J3E	1				
Channel-10 G3E Channel-12 G3E Channel-16 G3E Channel-26 G3E Channel-70 G3E Fix Service 5 165,0 J3E 9 925,0 J3E		VHF Service			
Channel-12 G3E Channel-14 G3E Channel-16 G3E Channel-26 G3E Channel-70 G3E Fix Service 5 165,0 J3E 9 925,0 J3E	13	Channel-10	G3E	50	
Channel-14 G3E Channel-16 G3E Channel-26 G3E Channel-70 G3E Fix Service 5 165,0 J3E 9 925,0 J3E	4	Channel-12	G3E	50	
Channel-16 G3E Channel-26 G3E Channel-70 G3E Fix Service 5 165,0 J3E 9 925,0 J3E	5	Channel-14	G3E	50	
Channel-26 G3E Channel-70 G3E Fix Service 5 165,0 J3E 9 925,0 J3E	9	Channel-16	G3E	50	
Channel-70 G3E Fix Service 5 165,0 J3E 9 925,0 J3E	17	Channel-26	G3E	50	
Fix Service 5 165,0 J3E 9 925,0 J3E	18	Channel-70	G3E	50	
Fix Service 3 13E 9 925,0 J3E	I				
5 165,0 J3E 9 925,0 J3E	i	Fix Service	ļ		
9 925,0 J3E	6	5 165,0	띮	009	
22 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	8		J3E	909	
22 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	2				
23	22				
	ខ្លា				





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



#### LEGEND

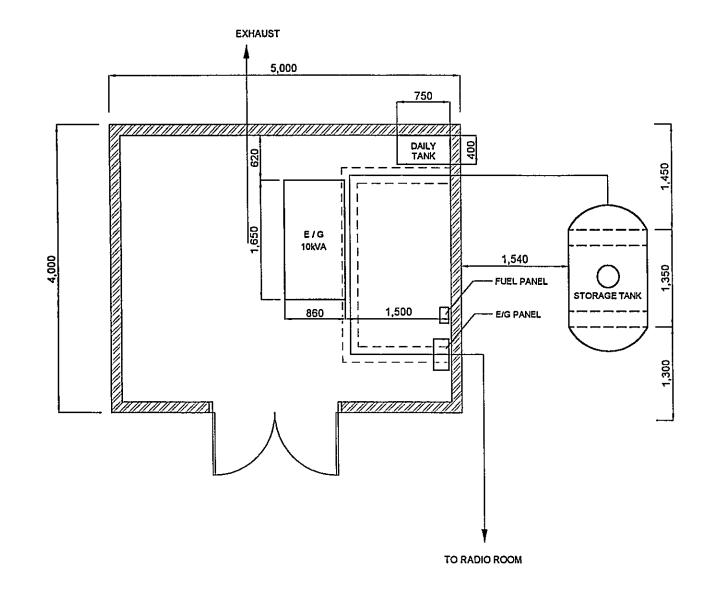
AVR . AUTOMATIC VOLTAGE REGULATOR
IST : ISOLATION TRANSFORMER
PDB : POWER DISTRIBUTION BOARD

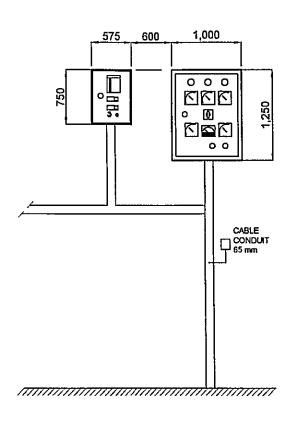
SUT : STEP - UP TRANSFORMER

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

RAWN BY AAB APPROVED BY

	·		
-			

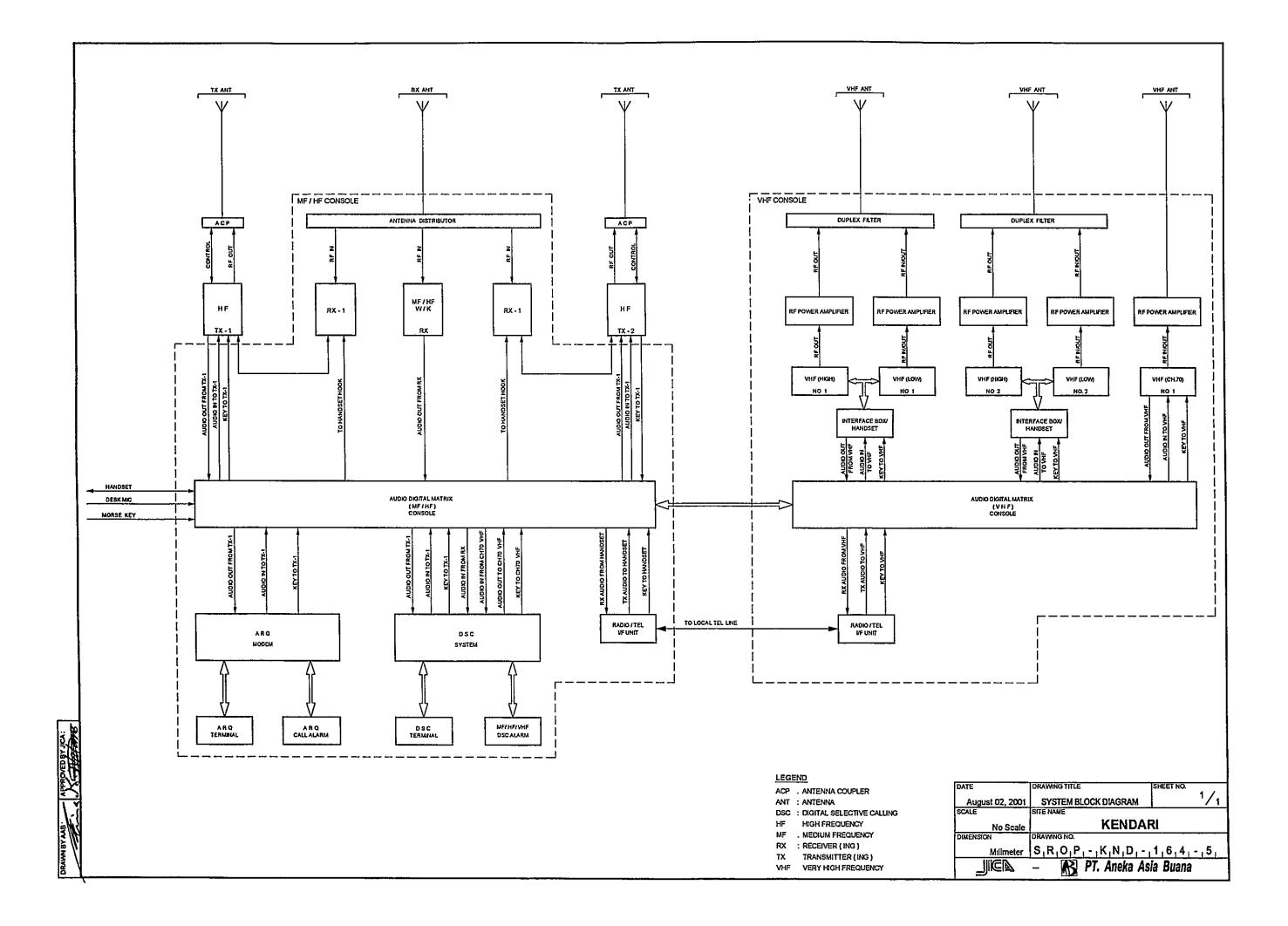


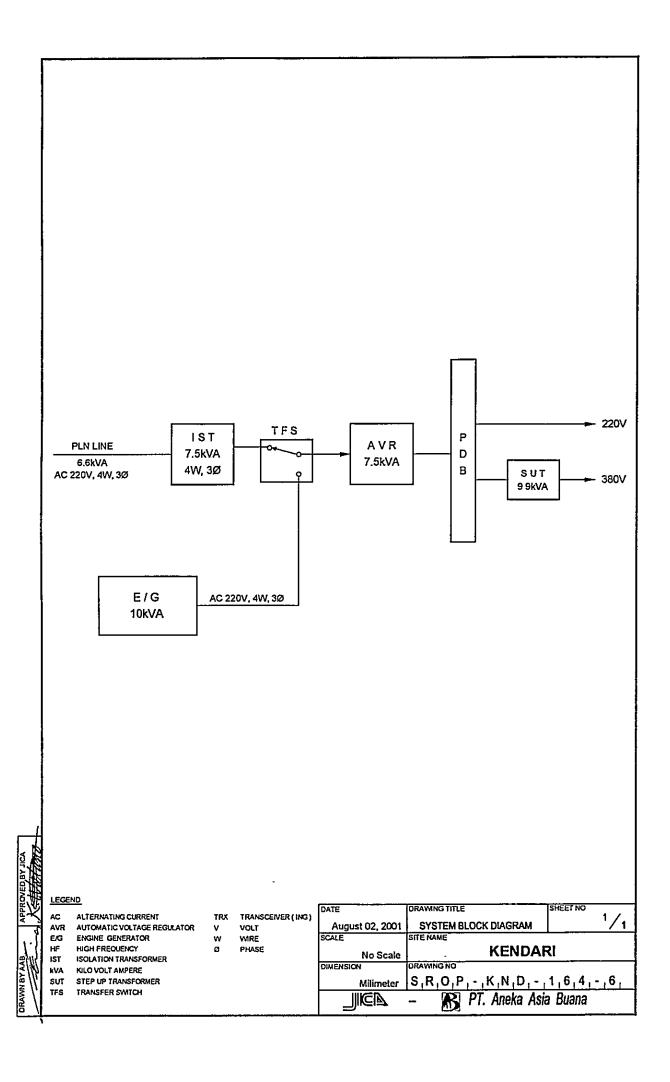


## LEGEND

E/G : ENGINE GENERATOR kVA : KILO VOLT AMPERE

DRAWNG TITLE	SHEET NO
E/G FLOOR LAYOUT	\ '/ <sub>1</sub>
SITE NAME	
KENDARI	
DRAWING NO.	
S,R,O,P,-,K,N,D,-,	1,6,4,-,4,
- PT. Aneka As	ia Ruana
	E/G FLOOR LAYOUT SITE NAME  KENDARI DRAWNIG NO.  S,R,O,P,-,K,N,D,-,





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

## **Table of Content**

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

## TRX Drawings:

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

### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

CHINANAADY	VOE	COACT	r cor A		ONI			SIT	E	BAI	U-BAL	Ţ		
SUMMARY	YOF	CUASI	SIA	7 1 1	UN			CL	ASS		3rd	N	O.	165
1. LOCATION	1													
Station	Add	ress			Tel.			Fax	Ī	ongit	ude	Τ	Lat	itude
TX/RX Jl. Dayanu	Ikhsanudd	in	<del></del>						122°		51" E	0		7' 24" S
				•			1							
2. GENERAL	COND	ITIONS		•								_		
	from Jal		Site A	ccess	from Po	ort	Ros	d Traffi	·	Acco	mmoda	ation	Po	pulation
By Air to Kendari			r.] 🗆 Hi				Heav			⊠ Ho			+	pulation
By Ship to Bau-Bau			ır.] ☑ Pa		,		Medi			□ Mo			<del> </del>	<del></del>
By Car to Location			1.] 🗆 Un		d road	-	Light						$\top$	
				•			None		•					
	3 (	ONDITIO	NS OF	r S T	'ATTO	N					Refer	to a	ttache	d drawing
3.1 Site Conditi		ONDITIO	115 01	. 51	AIIO	41				<u>'</u>		-		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	ions	NT-4	e of Soil			n-	مدالم هم	ster of s		C1	E 42		• •	
Topography ☐ Flat		)ry soil		mesto				ister ui s	ite	Yes	No	10 110	existii	ng system
☐ Slope		rdinary		mesic ravel	ME	I_	ood T	vida.		团		nteni		
☐ Hill-top	1	wampy		ocky		,		akage					s (Ma	eta)
☑ Hill-top ☑ Basin		wampy Jay		y/Sto	D1/	1		Subside	200					ystem
☐ Valley		andy	ועו ביי	y/ SiU	ily	J 0.	i Quiiu	Subside	1100	=			ing sy	
Altitude		andy	M			T	alanh	one Line		<del>-</del>				Way
Land area		5,000		<del></del>			стерич	Lines				ty w		; 11 ay
3.2 Buildin	a Cond	<del></del>	1				2 2	Power				., ,,	4101	
	tructions		<del> </del>	Т	LN Sou		3.3	E/G	300		adia a T		C	ditions
Num. of story	One		Voltage		220				v	Good J		owe	r Con	ditions
Structure	Concret	he	Phase	<del>-</del>	220	3		-	<u> </u>			war (	Sunnlı	, Syctem
Type of roof	Asbesto		Wire	<del> </del>	<del></del>	4							ons of	System
Type of ceiling	Triplex		kVA	+	3	.8								AVR
Type of wall	Brick		1772		uality o		Leone	re					•	engine
Wall finish	Mortar		Fluctuat		l l			10 %		Day ta		<u> </u>	C1 101	Liter
Flooring	Ceramic	•	Availab		fnower					Main t			-	k Liter
	Area (m²		Power i				-7		imes		G/G Sta	and.	hv Sv	
Operation room	X 64 (III	60.00	Total in						ours	<u> </u>	Single		~	3(CIII
E/G room		00.00	Max. in						ours		Dual S			
Remark			p. 2021, 111	p	1104154	. 01100			00.5		<i></i>	0,500		
اب						<del></del>								
4 OP	FRATI	ON AND	MAINT	FFN	ANCE	יי		5 PE	1201	NN	RI R	OR	MAT	TIONS
		aken in equi						J. 11	ZACON	<i>J</i> 1111.		X/R		LIONS
Restoration flow		ed by himself		AHULL				Chief				A/IU	`	
Examples of major failur		ged by Lighte						Operate	or (sk	illed)		6 (	2)	0
Sufficiency of spares		300 o) <u>Lig</u> illo						Technic			7		0	Ŏ
	s of dam	ages	Env	ironr	nental (	Condi	tions	Admini			<del>-  </del>		<b>*</b>	
☐ Heavy rainfall	<u> </u>		Good						Juliano	<u> </u>			_	
□ Storm			Ø		Externa	ıl nois	es	Tota	1				6	
☐ Lightning			Ø	-	Air poll				<u> </u>		1		_	
Other calamity		•								-				
	Institutio	onal and Hu	man Sta	tuses						Trair	ning R	ecor	d	
1 Budget		☐ Sufficien	t 🗆 Rea	sona	ble ☑ i	Insuffi	cient	Cours	e	Class				d Traince
2 Spares		☐ Enough	☐ Rea	sona	ble 🗹	Not er	nough							$\top$
3 Measuring eqpt /	tools	☐ Enough			ble 🗹									
4 Number of Oper		☐ Enough	☐ Rea	sona	ble 🗹 i	Not er	10ugh							
5 Number of Tech		☐ Enough			ble 🗹 l									
6 Capability of Op-		☐ Skilled			ad 🗆 1									
7 Capability of Tec	chnician	☐ Skilled	□ No	t so b	ad   🗆 1	Not ca	ıpable	]						<u> </u>

CTIMEN	A DX	OF C	OAST	CTLAT	rian	7		SITE	BAU	-BAU		
SUMM	AKI	OF C	UASI	SIA	HUN			CLASS	;	3rd	NO.	165
		6. STA	TISTIC	CAL CO	MMUI	VICA	TION T	RAFFI	C DA	ΓΑ	****	
	Mai	ritime Sa	fety			Pu	blic Tel	lecomm	unicat	ion Sei	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Telep	ohone	TG Call
į				1		Call	Minute			Call	Minute	
1996	······································	3			1991				1996	83	20	
1997		6			1992				1997	123	41	
1998		5			1993	76	25		1998	98	32	
1999		7			1994	101	33		1999	93	31	
2000					1995	97	32		2000	117	39	
	·.	· .		7.	COM	MEN'	TS					
Suggestion	the next of Coast Station (		sted to inst	all GMDSS	System e	quipmer	nt and other	equipmer	the mini at as acco	mize equi rdance wi	pment , so th Standard	that for lization
Remarks												

INVE	INVENTORY		Site N	Site Name: Bau-bau	oau			88	BBU-165- (1 / 1)
S S	Registered No.	Description	Туре	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1 1-1 1 2		Radio Equipment Transmitter SSB Radio Phone SSB Radio Phone	IC-M700 NJSR 152	54 <i>57</i> 68537	ICOM JRC	1861			Not So Good Damaged
1-2		VHF System VHF Transceiver	FM-400	550239	Furuno		•		Damaged
2 2-1		Tower & Antenna System Antenna Selector Antenna Tuner	AT-120E		ICOM				Good
3 3-1		Power Supply Equipment UPS & AVR Power Supply	AK-3030AV		Dakai				Good

# STATUS OF TROUBLES

SITE NAME: BAU-BAU

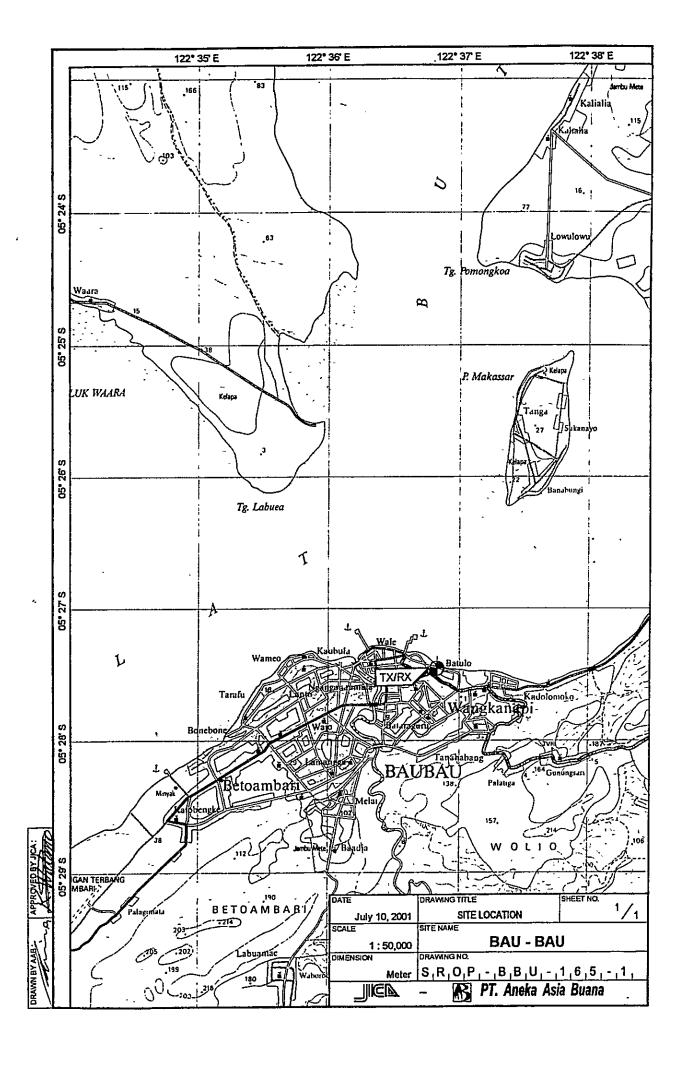
BBU-165-(1/1)

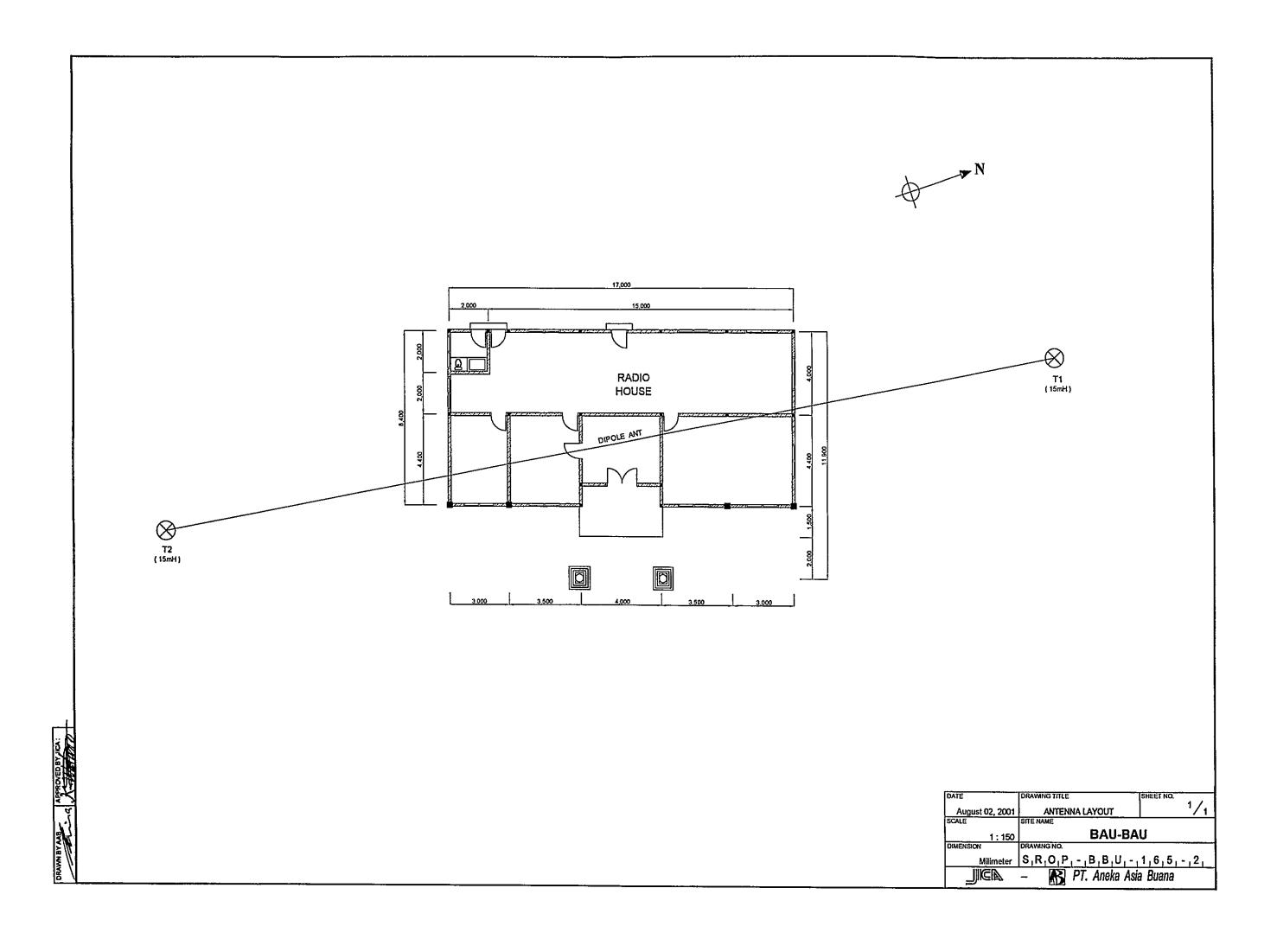
Item / Equipment	SSB Telephone Radio / Icom		
Manufacturer	PT. Mirusakraha		
Manufacturer in year	1		
Defective panel / unit			
	Cause doe to:		Repairing to be:
	☐ Aging		区 Immediacy
Details of Trouble Status	☐ Lightning	71	☐ By next year budget
	□ Corrosion	Organicy of repair	☐ By next project
	区 Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:	2.1		
Technician is not capable to repaire	Technician is not capable to repaired damaged unit, and spare part is not enough and un-available	t enough and un-available	

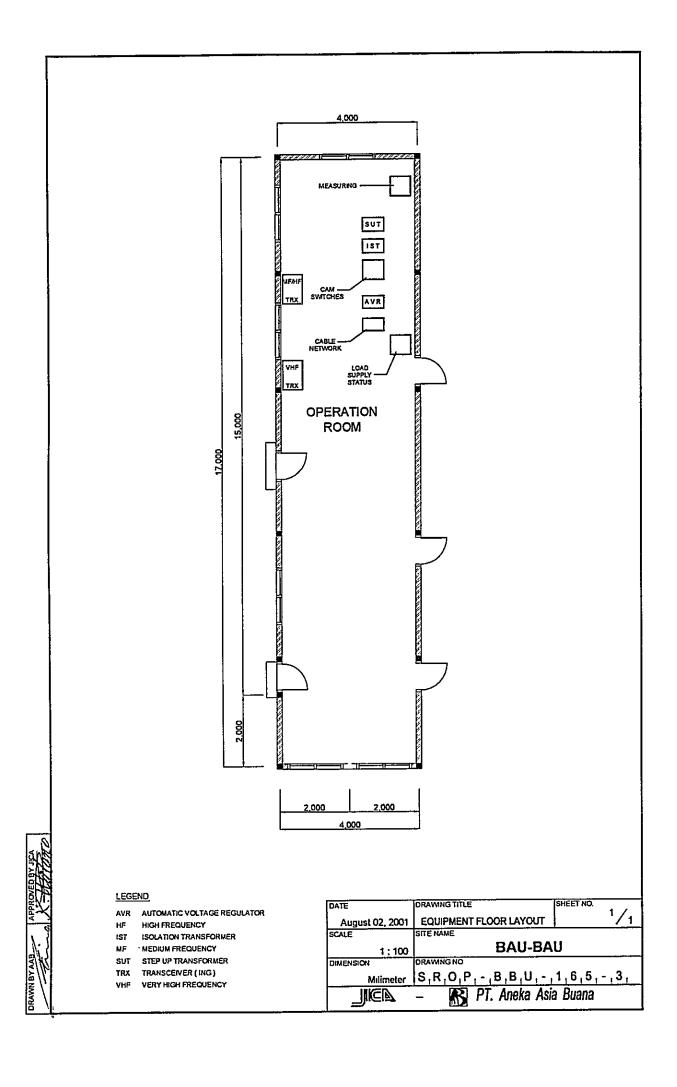
## **OPERATION SCHEDULE** (FREQUENCIES) Call Sign: Mobile Service: PKF.26 Fix Service: 8AP3

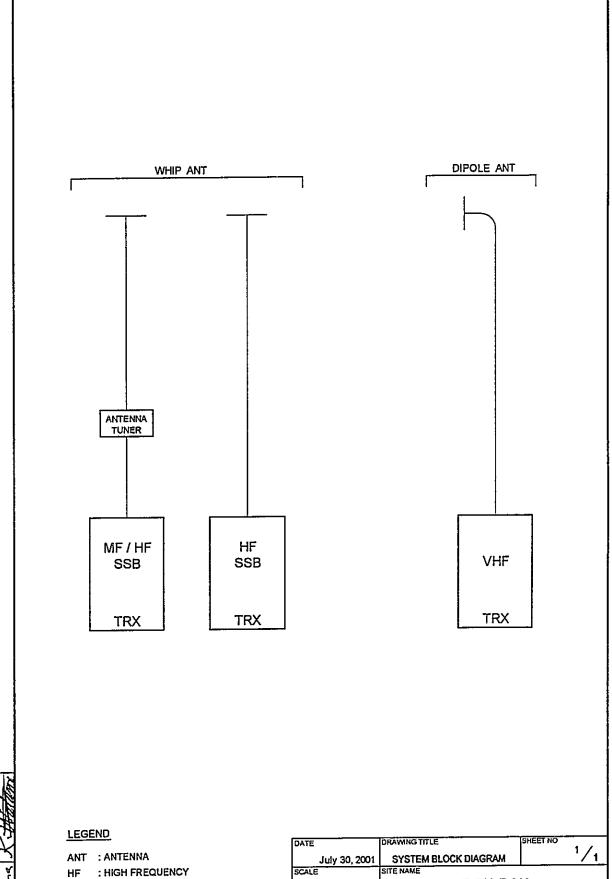
Site Name: Bau-bau

	- I	Fix Service	: 8AP3		
	FREQUENCY	NOISSINS	POWER	UTC	
	(KHZ)	Ligingo	(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 F	REMARK
	Mobile Service				
-	2 182,0	385	150		
7	2 080,0	J3E	150		
ო	3 180,0	385	150		
4	4 116,0	38	150		•
S.	4 408,0		150		
9	6215,0	JSE	150		
7	6 209,0	J3E	150		
ဆ	6 510,0	J3E	150		
6	8 222,0	13E	150		
0.	8 746,0	J3E	150		
	VHF Service				
÷	Channel-10	38	9		
7	Channel-12	G3E	20		
5	Channel-14	G3E	20		
4	Channel-16	G3E	65		
	Fix Service				
5	5 165,0	J3E	150		•
9					
14					
8					
19					
3 8		1	:		
, E					
318	1				









NBY AAB APPROVED BY JICA.

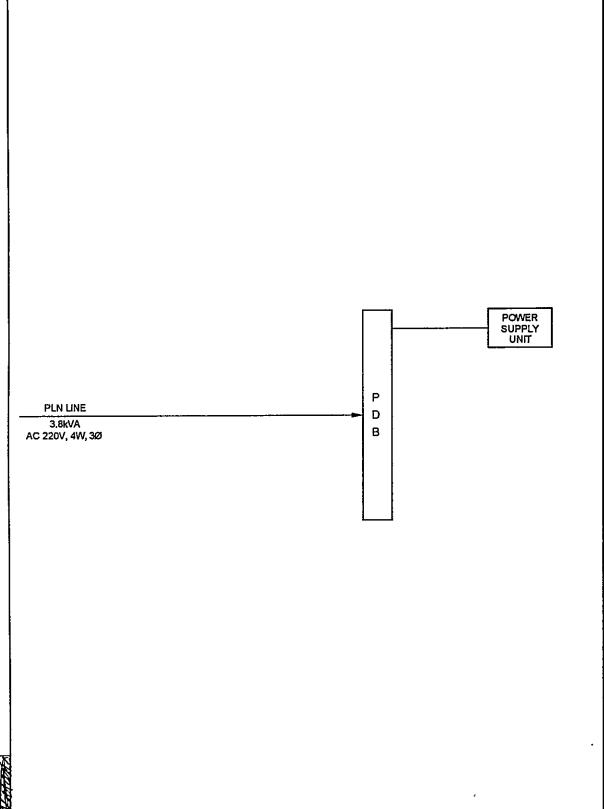
HF : HIGH FREQUENCY

MF : MEDIUM FREQUENCY

TRX : TRANSCEIVER (ING)

VHF : VERY HIGH FREQUENCY

	· · · · · · · · · · · · · · · · · · ·	ISHEET NO
DATE	DRAWING TITLE	Sheel NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	BAU-BA	.U
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,B,B,U,-	1 <sub>1</sub> 6 <sub>1</sub> 5 <sub>1</sub> -15 <sub>1</sub>
	- PT. Aneka Asi	a Buana



DATE

DRAWING TITLE

SITE NAME

Milimeter

DRAWING NO.

POWER BLOCK DIAGRAM

BAU-BAU

S,R,O,P,-,B,B,U,-,1,6,5,-,6, — PT. Aneka Asia Buana

1/1

AWN BY AAB APPROVED BY JIC

LEGEND

kVA

W

Ø

: ALTERNATING CURRENT

: KILO VOLT AMPERE

: VOLT : WRE / WATT

: PHASE

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

## **Table of Content**

- ✓ Summary of Coast Station✓ Inventory
- ☑ Status of Trouble
- ☑ Operation Schedule (Frequencies)
- TRX Drawings:
- ☑ Site Location
- M Antenna 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)

STIMMAD	Y OF COAS	T CT/	TI	ON			SITI		RAJ	HA			
SUIVIIVIAIN	I OF COAS	)1 O12	711/	<u> </u>			CLA	SS	<u> </u>	4th-A	NO		166
1. LOCATION	<del></del>					-				<del></del> -			
Station	Address			Tel.		F	ax		ongit	nde	T	Latit	
TX/RX Jl. Pelabuha						<u></u>		112°					00" S
											1-		
CENERAL	CONDITIONS	<del></del>											
	from Jakarta	Sita	A anges f	from Po	<u></u>	Dage	d Traffic		Aggs	mmoda	ا بدونه	D	-1-4600
By Air to Kendari		oo hr.] ☑ Hi				Heavy			✓ Ho		Rion	rope	ulation
By Ship to Raha		50 hr.] Pa				Mediu					+		
By Car to Location		40 hr.] ☐ Un		ากลด้	_	Light	111		L 4720	)(CI	-		<del></del>
			parec	1045		None			-				
	2 CONDITI	ONE OI	e enc.							Defer	to att	cohod	drawing
2.1.6%. (03:4)	3. CONDITI	IONS OF	317	7110	<u>IN</u>					Vere:	to atte	TOHEG	
3.1 Site Conditi	<del></del>					. 10	· P-1					• .•	
Topography  Flat		ure of Soil		<del></del> -			ster of sit	te	Yes	firmatio No	n oi ex	isting	system
	<ul><li>□ Dry soil</li><li>☑ Ordinary</li></ul>		imestor ravel	ne	□ Flo		1.	}	Yes 🗹		•		
□ Slope □ Hill-top	<ul><li>✓ Ordinary</li><li>✓ Swampy</li></ul>			ļ	ļ	ood Ti in Lea		- 1			ntenna	2 fact	
☐ Basin	□ Clay	<i>1</i> /4 □	ocky	1			ıкаде Subsider				owers (	<u> </u>	
☐ Valley	□ Ciay □ Sandy			1	_ o.,	buna .	2002inei	ice			roundi: ghtnin		
Altitude	<del></del>	00 M			Te	lenho	ne Line	_			eder C		
Land area	2.9	m²		$\overline{}$		ichno.	Lines	<u>,                                    </u>	=		ty wate		n ay
	ng Conditions	<del></del>				23	Power	Sou			ly viai.	<u> </u>	
	tructions	<del></del>	Pr	N Sou		3.5	E/G	300		sting P		Cond	:4ione
Num. of story	One	Voltage		220			E/G	7	Good J		OWEL	Cona	Itions
Structure	Concrete	Phase	+		3		•	<del>'  </del>		☐ Pov	ver Su	nnly S	Custem
Type of roof	Asbestos	Wire	1		4						eration		
Type of ceiling	Triplex	kVA	<del> </del>	3	.8	-		_		□ Ope			
Type of wall	Brick		Qu	ality o		sourc		一		pacity o			
Wall finish	Mortar	Fluctuat		T		V±2			Day ta				Liter
Flooring	Tile	Availabi	ility of	power			24 H		<del></del>		····		k Liter
Room A	Area (m²)	Power i					4 Tit	mes	F	E/G Sta	nd-by	Syst	em
Operation room		Total in	terpt. I	10urs/1	month		14 Hc	ours		Single			-
E/G room		Max. int	terpt. h	iours a	t once		4 Ho			Dual S			
Remark	Operated by Kanpel								-		-		
i	·												
4. OP:	ERATION AND	) MAINT	ΓEN <i>A</i>	NCE			5. PE	RSC	NNC	EL F	ORM	ITA	ONS
	Actions taken in eq	uipment f	ailure							T	X/RX		
Restoration flow							Chief						
Examples of major failur	e						Operato	<del></del>			1 ()		()
Sufficiency of spares							Technic	ian (s	killed	)	0		0_
	ls of damages			ental (	<u> Conditi</u>	ions	Adminis	trato	F				
Heavy rainfall			Bad		<del></del>								
□ Storm		<u> </u>		Externa		s i	Total			_	1	<u> </u>	
☐ Lightning		<u>_</u>		Air poll	ution		····	<del></del>					
Other calamity	Total Monates II		<u> </u>				<del></del>		<del></del>	<u> </u>			
	Institutional and H			· . [E2] :	· · · · · · · · · · · · · · · ·			$\overline{}$		ning Re		-2-4	
1 Budget 2 Spares	□ Sumer	ent   Rea				—	Course		Class	Loca	tionic	:riou	Trainee
3 Measuring eqpt.				le ☑ 1 le ☑ 1				+					
4 Number of Opera				le 🗹 l				<del>- -</del>		+-			
5 Number of Tech				le 🗹 l				$\dashv$		+	-+	$\dashv$	
6 Capability of Op				d 🗆 i				$\dashv$		-			
7 Capability of Tec		· · · · · · · · · · · · · · · · · · ·		d 🖾 N				1		1-	$\neg$		

CTIMEN	A DX		O A ST	CTLAT	TIAN	r		SITE	RAH	Α		
SUMM	AKI	Ur C	UASI	. SIA.	IUN			CLASS	41	h-A	NO.	166
		6. STA	TISTIC	CAL CO	MMUI	VICA'	TION T	RAFF	IC DAT	ſA.		
	Mai	ritime Sa	fety			Pı	ıblic Tel	lecomn	nunicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Telej	phone	TG Call
						Cali	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997	110	49	•
1998				1	1993				1998	188	78	
1999					1994				1999	115	48	
2000					1995				2000	138	57	
	****		<u>.</u>	7.	COM	MEN	TS					
Suggestion	allocatio	important to n Rp. 141,20 important to must be fol	00,000boa o install equ	arding .ipment as (	Coast Stati	ion Clas	s-IV A staı	ndardizati	០៣			
Remarks												

INVENTORY

RHA-166- (1 / 1)

ition	pc	<u>-</u>	ַ אַ אַ אָ	
Condition	Damaged Good	Good	Good	
Maintenance Record				
Reference				
Date	1978 1998			
Manufacturer	Furuno ICOM	ІСОМ	ICOM Matsuyama	
Serial No	5520036 51278			
Type	NS-11A IC-M700	AT-120	AK-4040AV AR-500H	
Description	Radio Equipment Transmitter MF/HF Transceiver MF/HF Transceiver	Tower & Antenna System Antenna Selector Automatic Antenna Tuner	Power Supply Equipment UPS & AVR Power Supply Automatic Voltage Regulator	
Registered No.	Fig. 5			
No	1 1-1 2	2 2-1 1	3 3-1 2	

## STATUS OF TROUBLES

SITE NAME: RAHA

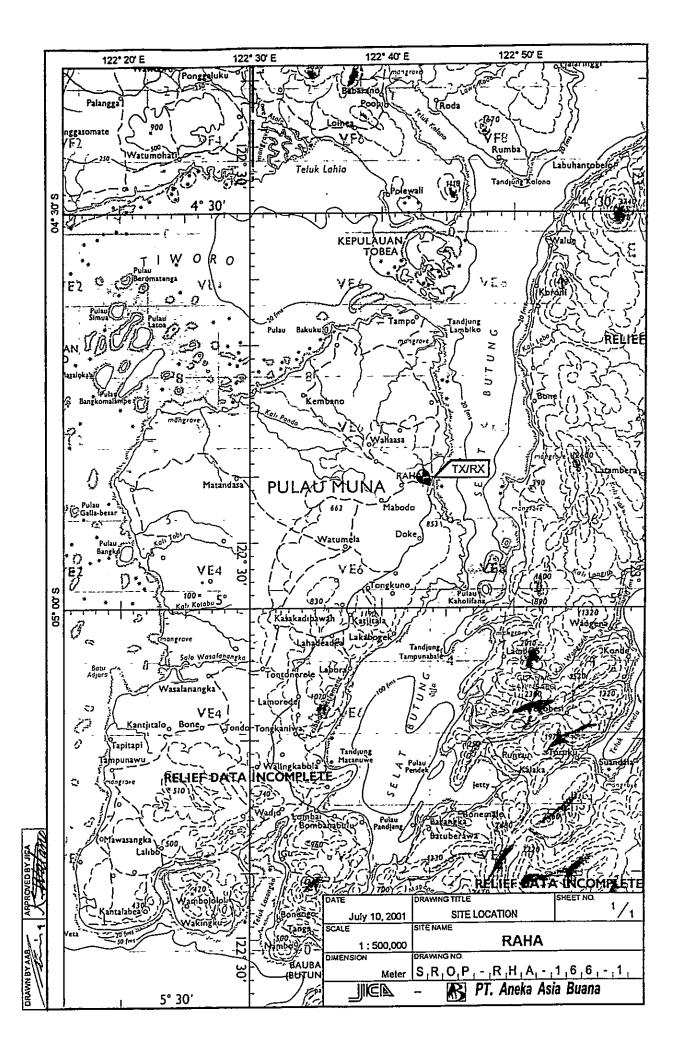
RHA-166-(1/1)

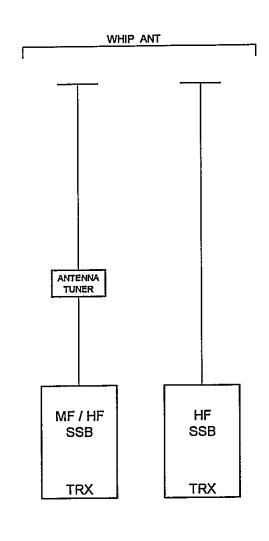
Itom / Danimont			
neni / Equipinent	Antenna 10wer/ -		
Manufacturer	Sub Disnav Kendari		
Manufacturer in year	1661		
Defective panel / unit	Tower Structure		
	Cause doe to:		Repairing to be:
	☐ Aging		□ Immediacy
Details of Trouble Status	☐ Lightning	T To a constant to	区 By next year budget
	☑ Corrosion		☐ By next project
	☐ Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:	2.1		
Necessary routine maintenance and painting	I painting		
		i	

## OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service: PKF.33 Fix Service: 8AP22

Site Name: Raha

$\ $	ᄩ	LIX OEIVICE	- 31	2	
_	FREQUENCY	TO GO FAT	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	=MAKK
	Mobile Service				
-	2 182,0	JSE	150		
7	2 080,0	J3E	150		
ო	3.180,0	155 115 115 115 115 115 115 115 115 115	150		
4	4 116,0	335	150		
, ro	4 408,0	age,	150		
ø	6215,0	ii ii ii	150		•
~	6 209,0	356	150		
æ	6 510,0	J3E	150		
တ	8 222,0	J3E	150		
, <u>0</u>	8 746,0	13E	150		•
		,		· · · · · · · · · · · · · · · · · · ·	•
	Fix Service				
F	5 165,0	F3E	150		
72	5 295,0	F3E	150		
<u>ლ</u>	6 920,0	F3E	150		
4		1			-
15					
9					
17					
13					•
19					
2		1			
21			ı		<u>-</u>
22					
23					·
74					
25					
1					





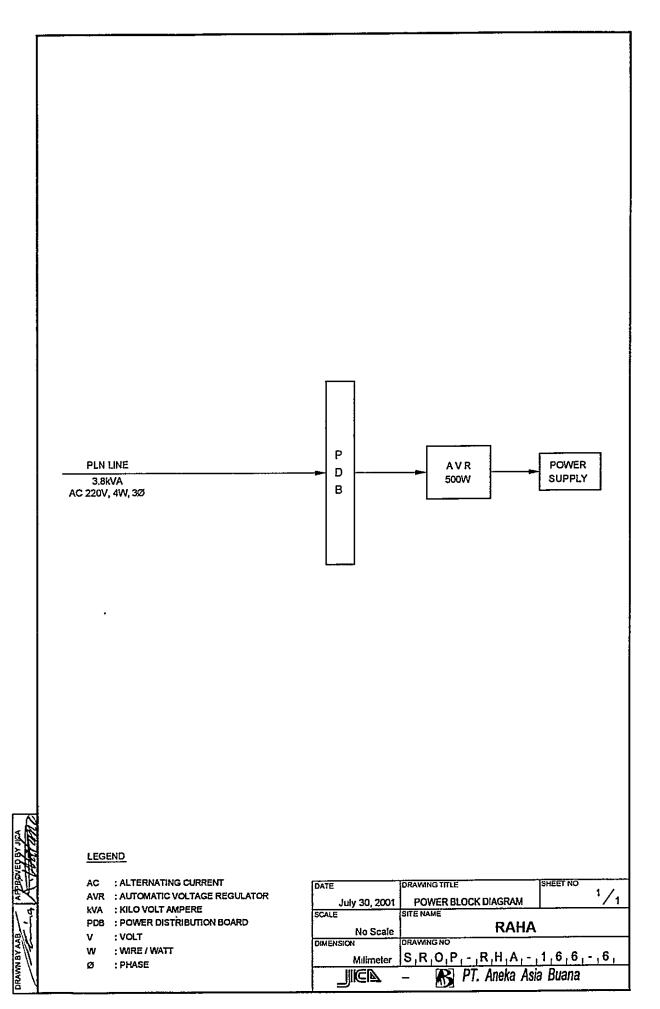
## LEGEND

ANT : ANTENNA

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER (ING)

DATE	DRAWING TITLE SHE	ET NO. 1 /
July 30, 2001	SYSTEM BLOCK DIAGRAM	71
SCALE	SITE NAME	
No Scale	RAHA	
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,R,H,A,-,1,	6 <sub>1</sub> 6 <sub>1</sub> - <sub>1</sub> 5 <sub>1</sub>
	- PT. Aneka Asia B	uana

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

## **Table of Content**

$\square$	Summary of Coast Station
	Inventory
	Status of Trouble
$\square$	Operation Schedule (Frequencies)
TRX	Drawings:
	Site Location
	Antenna Layout
П	Equipment Floor Layout
	E/G Floor Layout
	System Block Diagram
Ē	Power Block Diagram
_	Tower Block Blagtain
Note	::
$\square$	Available in this list
×	Not Available in this list
	Unnecessary in this list
*	Combined in one drawing

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

SUMMARY	VAE	COAS	T C	TT A	TI		J			SIT		KOI	AK/			· · · · · · · · · · · · · · · · · · ·
SUMMAIN.	I Or	CUAS	, I C	) I A	III	Or v	۲			CL	ASS	4	th-A	N	O.	167
1. LOCATION	Ţ															
Station	Addr	<b>66</b> 5		1		Tel.		- [	,	Fax	T	_ongiti	nde	T	T.at	itude
TX/RX Jl. Dermaga			-	+	-	22583	1	_		A 144A	1219		30" ]	E O	4° 03	
170101 51. 501111151		ruitu		+							***			+		
								,					:			
2. GENERAL	<u>CONDI</u>	<b>TIONS</b>						-,								
	from Jak					from	Port	-		d Traffi	<u>c</u>		mmod	ation	Po	oulation
By Air to Kendari			<u>0</u> hr.] [			<u>y</u>		_	Heav			☑ Ho				30,000
By Car to Kolaka	[Takin		0 hr.] [					_	Medi			☐ Mo	tel		<u> </u>	
By Car to Location	1 (Takin	g time: <u>0-1</u>	<u>0</u> hr.] [	□ Un	paveo	i roac	d		Light							
			1					[ D	None	<u> </u>						
	3. C	ONDITI	ONS	OF	ST	'AT	ION	Ī					Refe	r to a	ttache	d drawing
3.1 Site Conditi										-						
	1	Note	ire of	503			Т.	Pas	et dies	aster of si	te	Conf	irmeti	on of	existin	g system
Topography  ☑ Flat	□ D:	ry soil	<u> </u>		mesto			Flo		uster 01 3	112	<del></del>	No	011 01	CAISCIN	<u> </u>
□ Slope	l.	rdinary			mesic avel	JIIC	1		ood T	Tide.		<del></del>		nteni	30	·······
☐ Hill-top	5	vampy			cky		- 1			akage					s (Ma	ete)
☐ Basin			ш	NC	CKy					l Subside	200	<del> </del>			ding sy	
		ay						, 01	Ouna	Subside	lice	늡			ing sys	
☐ Valley	E 38	ındy	0 M				$\dashv$	т.	la - h	Y :		<del></del>		_	Cable	
Altitude	<del></del>	2.0	m <sup>2</sup>	,					терп 1	one Lines Lines				ity w		way
Land area		• • •	m.	·									<u> </u>	ity w	alei	
3.2 Buildir		itions							3.3	Power	501					
	tructions			_	_	LN S				E/G				Powe	r Con	ditions
Num, of story	One			ltage	<u> </u>	2:	20 V	<del></del> 1-			<u>v</u>	Good E				
Structure	Concret			ase	ļ		3									System
Type of roof	Asbesto	S	Wi		ļ		4	_							ons of	
Type of ceiling	Triplex		kV	'A	ل		3.8	_							ons of	
Type of wall	Brick		_			ualit	y of )							of fu	el for	engine
Wall finish	Mortar			ictuat					V ±			Day ta				Liter
Flooring	Ceramic	;				f pov			ıy			Main t				k Liter
	Area (m²	)	_			ption					mes				by Sys	item
Operation room						hour			_ _	H	ours		Singl		*****	
E/G room			Ma	x. int	erpt.	hour	s at c	once		H	ours		Dual	Syste	m	
	No Data.															
	Operated	by Kanpel	staff.													
4. OP	ERATIO	ON ANI	MA	[NI	EN	ANO	CE			5. PF	RS	ONN	EL F	OR	MAT	IONS
		iken in eq											T	X/R	K	
Restoration flow	<u> </u>									Chief						
Examples of major failur	e									Operate	or (sk	illed)			0	()
Sufficiency of spares										Technic					0	0
Record	s of dama	ages		Env	ironn	nenta	al Co	ndit	ions	<del> </del>						
☐ Heavy rainfall	·			Good									-			
☐ Storm				Ø		Exte	mal r	noise	s	Tota	1					
☐ Lightning				Ø		Аіг р										
☐ Other calamity						1										
	Institutio	nal and H	umai	n Stat	tuses	-				1		Train	ing R	lecor	d	
1 Budget		☐ Suffici		Rea		ble E	√ Ins	suffic	ient	Cours	e	Class				Trainee
2 Spares		☐ Enoug		Rea					ough		$\neg$					
3 Measuring eqpt./	tools	☐ Enoug	<del></del>			ble E					_		1			<u> </u>
4 Number of Open		□ Enoug				ble							1			1
5 Number of Tech		☐ Enoug				ble							i			
6 Capability of Op		☐ Skilled				ad										
7 Capability of Tec		☐ Skilled				ad C				1			i			

CTIMEN	ADX	OFC	O A CT	Car A a	rroni			SITE	KOL	AKA		
SUMM	AKI	OF C	UA51	SIA	LIUN			CLASS	41	th-A	NO.	167
		6. STA	TISTIC	AL 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'	TS	•		·		
Suggestion	budget a	important to llocation Rp important to r necessary to	. 141,200,00 o install equ	00. ipment as C						2M², Lan	d 1,000 M²	with
Remarks												

Site Name: Kolaka

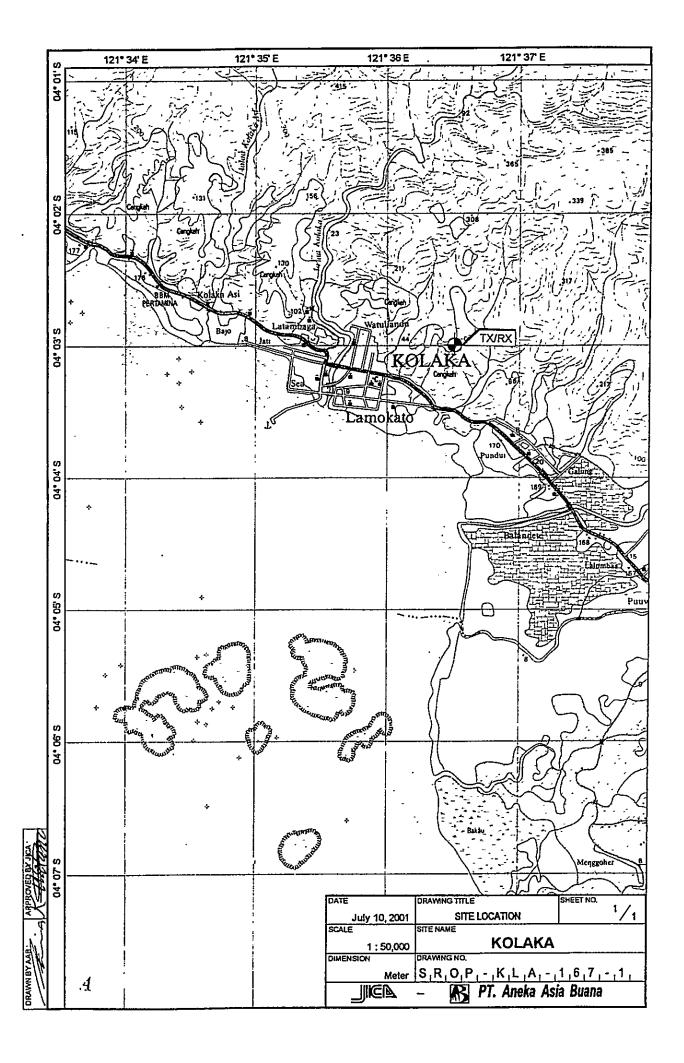
Serial No Manufacturer Date Reference R	Maintenance Record Condition		
Date			
Serial No Manufacturer I			-
Serial No	Manufacturer D		14 000
Type D			tion doesn't equiped with
	Description		Coast St
Description Coast Stat	Registered No.	D.	
	% %		

## KLA-167-(1/1)

## OPERATION SCHEDULE (FREQUENCIES) call Sign: Mobile Service: PKF34 Fix Service: 8AP24

Site Name: Kolaka

	- 15	TIA GELVICE . DAN	
	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 KEMAAKK
	FX		
	5 165,0	J3E 150	
N			
<b>60</b>			
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17			
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8			
72			
13	,		
8			
24			
25			
8			
27			



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

## **Table of Content**

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

### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

						SIT	<u> </u>	POMA	TAA			
SUMMAR	Y OF COAS	T STA	TIO	N		CLA		4th		NO.	Т	168
1. LOCATION	<u> </u>					1			-			
Station	Address		Т	el.	Τ.	Fax	Ť	ongitud	e T	т	atit	ude
TX/RX Jl. Protoko			0405-3		<u> </u>		121°			04°	11'	
2. GENERAL.	CONDITIONS			•			-					
· · · · · · · · · · · · · · · · · · ·	from Jakarta	Site A	ccess fr	om Port	Ros	d Traffi	c	Accomp	nodati	on 1	Pon	ulation
By Air to Kendari		hr.] 🗆 Hig			Heav			☐ Hotel				20,000
By Car to Pomala		hr.] 🗹 Pav			Medi			☑ Motel		_		
By Car to Location	n [Taking time: 0.10	hr.] 🗆 Un	paved r	oad 5	Z Light							
					] None	;						
	3. CONDITIO	ONS OF	STA	TION				R	efer to	o attac	hed	drawing
3.1 Site Condit												
Topography		re of Soil		1	Past dis	aster of si	te	Confirm	ation	of exis	ting	system
☐ Flat	☐ Dry soil		mestone		Flood		-	Yes No				
□ Slope	□ Ordinary		avel	1	Flood 7	Tide		Ø D	Ante	enna		
☑ Hill-top	☐ Swampy		cky	<u>]</u> ;	Rain Le	akage				ers (ì	/Iast	:s)
□ Basin	□ Clay		-		Ground	l Subside	nce		Gro	undinį	z sys	stem
□ Valley	□ Sandy							<u>d</u>	Ligh	tning	syst	em
Altitude	10.00				Teleph	one Line				ler Ca		Way
Land area		m²		Ø	1	Lines			City	water		
3.2 Buildir	ng Conditions				3.3	Power	·Sou	ırce				
Cons	tructions		PLN	Source		E/G		Existi		wer C	ond	itions
Num. of story	One	Voltage		220 V			V	Good Bad				
Structure	Concrete	Phase		3	ļ			<u> </u>				System
Type of roof	Asbestos	Wire		4					Opera			
Type of ceiling		kVA	ـــــــ	3.8		-		<u> </u>				
Type of wall	Brick			lity.of PI				Capac		fuel f		
Wall finish	Mortar	Fluctuat			20 V ±			Day tank				Liter
Flooring	Tile			ower per				Main tani		al Isaa (		k Liter
	Area (m²) 4.00		<u>.</u>	ion /mont ours /mon			mes		Stan ngle S			em
Operation room E / G room	4.00			urs at on			ours ours		ual Sy		-	
	Radio Equipment has			uis at Oil	Je	11	onts l	<u> </u>	uai Sy	SICIII		
Kulai K	Tadio Equipment has	000111031										
			<del></del>									
4 OP	ERATION AND	MATNO	TENIA	NCE		5 DE	'DSC	ONNEI	ΕO	DM/	T	ONS
· · · · · · · · · · · · · · · · · · ·	Actions taken in equ			NCE		3.11	, NO	7111121	TX/		<u> </u>	.0115
Restoration flow	Repaired by himse		illure	<b>~</b>		Chief			124		<del> </del>	
Examples of major failu		**				Operato	or (sk	illed)		2()	$\Box$	0
Sufficiency of spares	Not enough					<del></del>		killed) :		Ő		Ŏ
Record	is of damages	Envi	ironme	ntal Con	ditions	Admini						
☐ Heavy rainfall		Good				1						
☐ Storm		Ø	□ E>	ternal no	ises	Tota	l			2		
☐ Lightning		Ø	□ Ai	r pollutio	Π							
Other calamity								ī.			<u> </u>	
	Institutional and Ho							Trainin				
1 Budget	☐ Sufficie			☐ Insu		Course	e	Class	Locati	on Per	iod	Trainee
2 Spares	□ Enough			☑ Not						_ _		
3 Measuring eqpt.				Ø Not			_	1				
4 Number of Oper				☑ Not								
5 Number of Tech 6 Capability of Op				☑ Not			-			+-	$\dashv$	
7 Capability of Te				□ Not						+	$\dashv$	
- Papaonity of Te	CITION I D SYINGO	1001	SU Dan	- 1101	SICOAL	ــــــــــــــــــــــــــــــــــــــ						

SUMM	ADV	OF C	ОЛСТ	CTA	TION	Г		SITE	POM	IALAA		
2014TIA1	AKI	OF C	UASI	DIA.	LION			CLASS	41	h-A	NO.	168
		6. STA	TISTIC	CAL CO	MMUI	NICA'	TION T	RAFF	IC DAT	ГΑ		
	Maı	ritime Sa	fety			Pi	blic Te	lecomr	nunicat	ion Se	rvice	
						Tele	phone	TG		Tele	phone	TG
Years	TG	TEL	DSC	NBDP	Years			Cail	Years			Cail
						Call	Minute		<u>                                     </u>	Call	Minute	
1996					1991				1996			
1997					1992				1997	25	15	
1998					1993				1998	20	12	
1999					1994				1999	29	20	
2000					1995				2000	19	14	
				7.	COM	MEN	TS					
Suggestion	allocatio	important to n Rp. 141,20 important to must be fol	00,000 o install equ	iipment as c	:lass-IV-A	Standar	dization		·			
Remarks												

# Site Name: Pomalaa

INVENTORY

PML-168- (1 / 1)

Condition	Good	Damaged	PooD	Good	PooD	Good	
Maintenance Record							
Reference							
Date	5661	1982	1995	1995 1995	1995	1995	
Manufacturer	ICOM	Yaesu	ІСОМ	Bell	ICOM	Broder	
Serial No							
Type	IC-M710	FTC-1540A	AT-120	PS-140A AR-500AH			
Description	Radio Equipment Transmitter MF/HF Transceiver	VHF System VHF Telephone Radio	Tower & Antenna System Antenna Selector Automatic Antenna Tuner	Power Supply Equipment UPS & AVR Power Supply Automatic Voltage Regulator	Measuring Equipment Hand Set (x2)	Others Typewriter	
Registered No.			•				
No	1 1-1	1-2	2 2-1 1	3 3-1 2	4	5 1	

Kendari

# STATUS OF TROUBLES

SITE NAME: POMALAA

Item / Equipment	VHF Telephone Radio / -		
Manufacturer	Jaesu		
Manufacturer in year	1982		
Defective panel / unit	ŧ		
	Cause doe to:		Repairing to be:
	☑ Aging		☐ Immediacy
Dataile of Trouble Status	☐ Lightning	Through of Donnia	☐ By next year budget
Colains of Trodole Status	□ Corrosion	Organicy of Nepall	区 By next project
	☐ Lack of Spares		□ Unnecessary
	□ Others		
General Comment for Maintenance:	23		

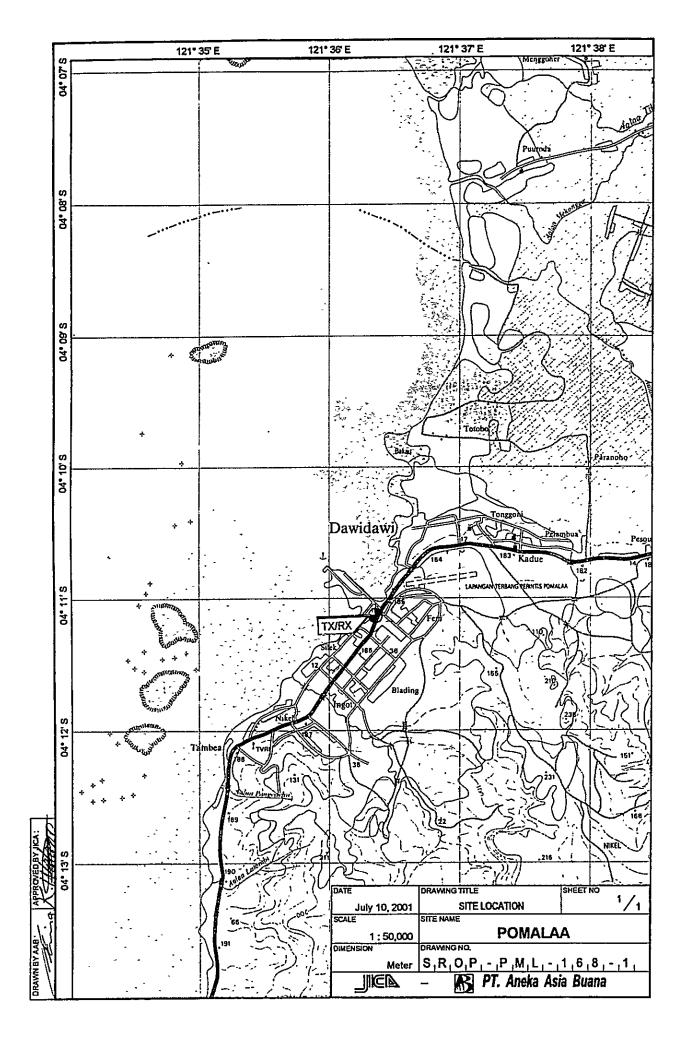
PML-168-(1/1)

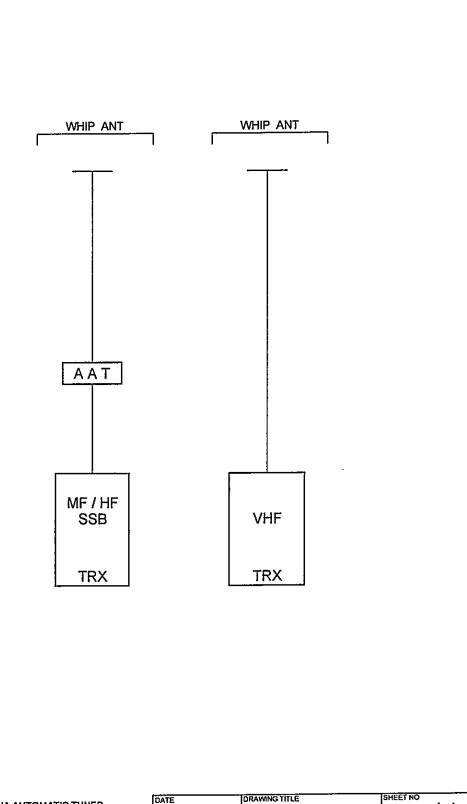
## **OPERATION SCHEDULE** (FREQUENCIES) Call Sign: Mobile Service: PKF.35 Fix Service: 8AP23

Site Name: Pomalaa

	FREQUENCY		POWER	
	(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			
-	2,182,0	J3E	150	
2	2.080,0	J3E	150	  -   -  
m	3,180,0	ж Ж	150	-    -    -
4	6 215,0	386	150	
Ω.	6 209,0	E5.	150	
ဖွ	6 510,0	38.	150	
~	8.222,0	335	150	
80	8.746,0	335	150	
	VHF Service			
6	Channel-10	G3E	100	
후	Channel-12	GSE	100	
Ξ	Channel-14	GZE	100	
12	Channel-16	935	100	
П	Fix Service			
13	5.165,0	13E	100	
14				
5				
9				
17		÷		
48				
19				
20				
21				
22				
23				

Opschedule-Pomalaa





LEGEND

AAT : ANTENNA AUTOMATIC TUNER

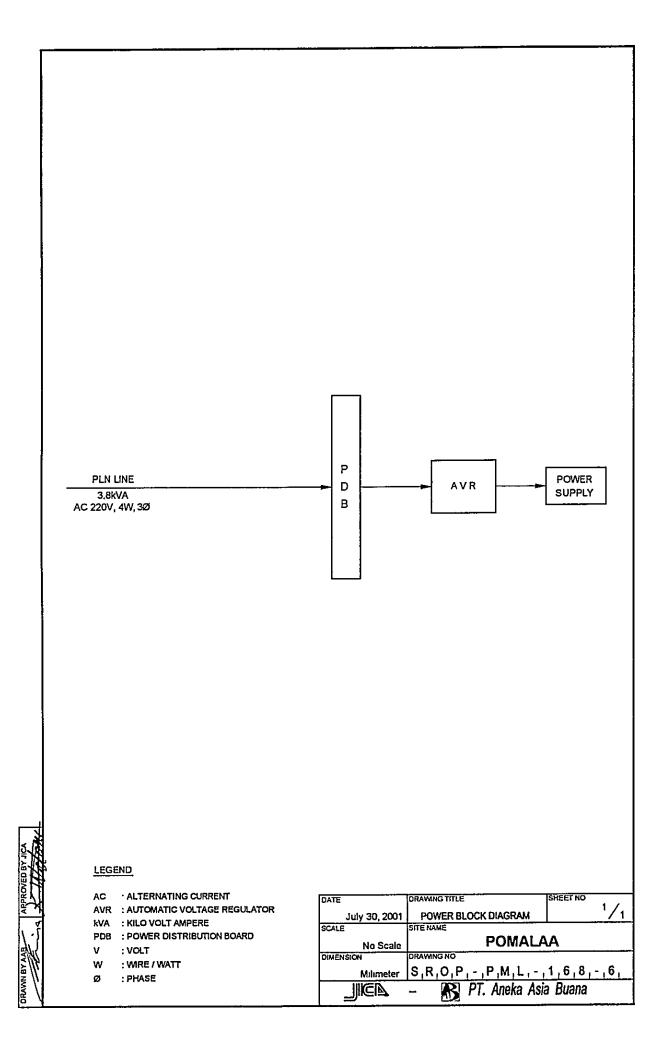
ANT : ANTENNA

HF: HIGH FREQUENCY
MF: MEDIUM FREQUENCY

TRX : TRANSCEIVER

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

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

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

### **Table of Content**

- ☑ Summary of Coast Station
- ✓ Inventory
- ☑ Status of Trouble
- ✓ Operation Schedule (Frequencies)
- TRX Drawings:
  - ☑ Site Location

  - ☑ 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

									10200	-	I= 4 =					
<b>SUMMAR</b>	Y OF	<b>COAS</b>	TS	ΓΑ	TI	ON			SIT	E ASS	$\overline{}$	NABU lth-B	UNGI	O.	<del>-</del>	169
		**		· · · · ·					CL/	133		מ-וווי	μν	0.	_	109
1. LOCATION Station	Add					Tel.		1	Fax	т	_ongit	nda.	_		atitu	
TX/RX	Auu	ress				1 61.		<del>  '</del>	r a x	1229		40"	E C			50" S
TATEA										122		70			<u> </u>	
2. GENERAL	COND	ITIONS														
	from Jal		Si	ite A	ccess	from P	ort	Roa	d Traffi	c	Acco	mmod	dation	P	opu	lation
By Air to Kendar	i [Taku	ng time· <u>4 00</u>	hr.]	Hig	hway	,		Heav	у		□Но	tel				
By Ship to Baus	[Takir	ng time <u>4.30</u>	hr.] 🗹	Pav	red			Medi	um		☑ Mo	tel				
By Car to Banabu	ngi [Takir	ng time: <u>1:00</u>	hr.]	Unj	paved	road		Light								
								None			<u> </u>			<u> </u>		
		ONDITIO	ONS	<u>OF</u>	ST	ATIO	N					Ref	er to a	ittacl	1ed	drawin
3.1 Site Condit	<u>ions</u>															
Topography			re of S						aster of s	te			ion of	exist	ing :	system
☐ Flat	1	ry soil			nesto	ne	□ FI				Yes	No				
☐ Slope		ordinary			avel			lood T			<u>a</u>		Anten			
☐ Hill-top		wampy		Ro	cky				akage		므		Cower			
☐ Basin		lay					□ G	round	Subside	nce			Groun			
□ Valley	<u>                                     </u>	andy	3.5						- · · · · ·				ightn			
Altitude Land area	<del> </del>	2,00	M m²			<del></del>		erepn	one Lines Lines				eeder City w		ie v	ray
3.2 Buildin	na Cond	litions	<del>-                                      </del>	-				33	Power				ny w	aici		
	tructions		+-		PΙ	N Sou	rce	J.J	E/G	500		stino	Powe	r Co	ndi	tions
Num. of story	17 4 (17 0 11 3	<del> </del>	Volt	age		220				V	Good I		10			tions
Structure	-		Phas				3					□ Po	ower :	Supp	ly S	ystem
Type of roof			Wire	е			4						регаті			
Type of ceiling			kVA	1		3	.8						perati	ons (	of A	VR
Type of wall						tality o							of fu	el fo		
Wall finish			Fluc					0 V ±			Day ta		<u> </u>			Liter
Flooring	<u> </u>					power					Main t					Liter
	Area (m²	·				ption /r				mes			tand-		yste	m
Operation room		6.00				hours /				ours	]		le Sys	_		
E / G room Remark	Operated	by Kanpel S		inte	erpt.	hours a	t once	<b>:</b> [	H	ours		Dual	Syste	em		
Kemark	Operateu	by Kanper	otan													
	<u></u>	<del></del>														
4. OP	ERATI	ON AND	MAI	NT	EN	ANCE	<u> </u>		5. PF	ers	ONN	EL I	FOR	MA	TI	ONS
		aken in equ											rx/R			
Restoration flow									Chief			$\neg$		-		
Examples of major failu	ге								Operate	or (sk	illed)			0		0
Sufficiency of spares	Ì								Technic	cian (	skilled			0		0
	is of dam	ages				iental (	Condi	itions	Admini	strato	or					
☐ Heavy rainfall					Bad				ļ	<del></del>		$\perp$				
☐ Storm				Ø		Externa			Tota	1		+				
☐ Lightning			-	Ø		Air pol	lution		ļ			-		-		
Other calamity	Inctituti	onal and H	<u></u>	Stat				<del></del>	<u> </u>		Two:	.:	Recor	<u>.</u>		
1 Budget	Instituti	Sufficie				ole 🗹	Incuffi	icient	Cours	.	Class			-	od 1	Trainee
2 Spares		☐ Enough				le 🗹					Class	120	CALIVII	1 (11	-	rameç
3 Measuring eqpt	/tnols	☐ Enough				le 🗹			<del></del>	$\dashv$				<del>                                     </del>	+	
4 Number of Oper		☐ Enough				le 🗹				$\dashv$		+		<del> </del>		
5 Number of Tech		☐ Enough				le 🗹			·							
6 Capability of Op		☐ Skilled				ıd 🗆										
7 Capability of Te		☐ Skilled				ad 🗆			<del></del>						Ī	

SUMM	IADV	OFC	OAST	CTAT	FIAN			SITE	BAN	ABUN(	GI.	
POINTIA	LAN I	OF C	OASI	DIA	LION			CLASS	41	h-B	NO.	169
		6. STA	TISTIC	CAL CO	MMU	NICA'	TION T	RAFF	IC DA	ΓA		
	Ma	ritime Sa	fety			Pı	ıblic Tel	ecomn	nunicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call Years		Tele	phone	TG Call
					[	Call	Minute		<u> </u>	Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998												
1999	1994 1999											
2000												
7. COMMENTS												
Suggestion	It is very important to have own Coast Station Building and official house, land 500M <sup>2</sup> with the budget allocation Rp											
Remarks										-		

INVENTORY

### Site Name: Banabungi

<b>Description</b> Type
Radio Equipment Transmitter SSB Transceiver

# STATUS OF TROUBLES

SITE NAME: BANABUNGI

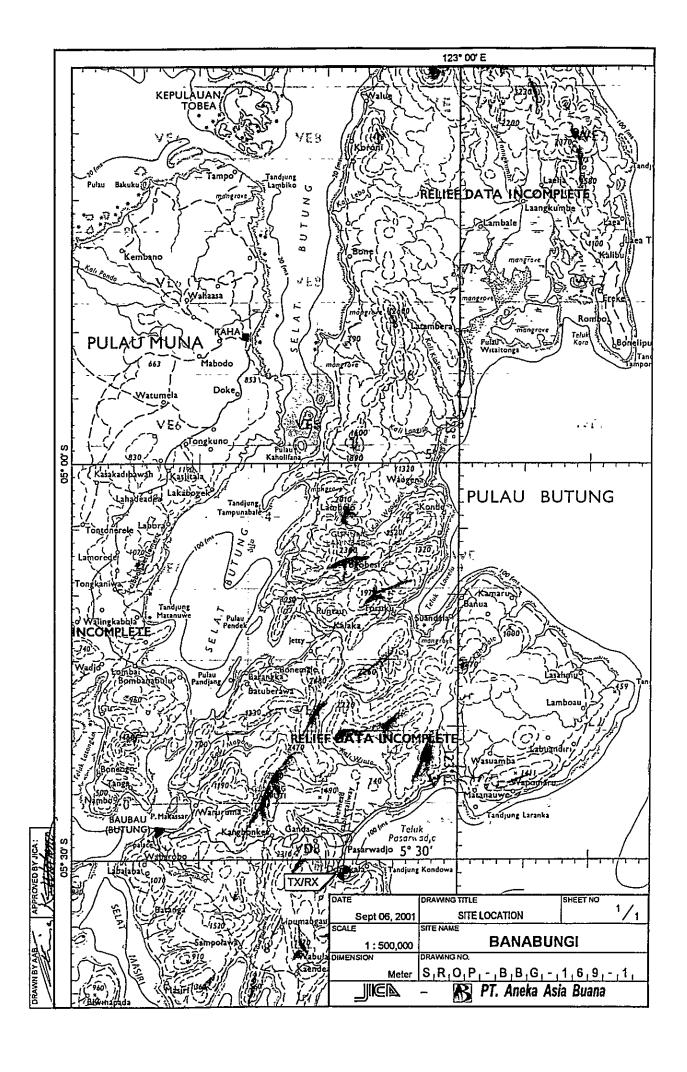
Item / Equipment	SSB Transceiver / -		
Manufacturer	Japan		
Manufacturer in year	1978		
Defective panel / unit	Crystal		
	Cause doe to:		Repairing to be:
	☑ Aging		□ Immediacy
Details of Trouble Status	☐ Lightning	To the contract of the contrac	☐ By next year budget
	☐ Corrosion	Organicy of Nepall	図 By next project
	☐ Lack of Spares		☐ Unnecessary
	□ Others		
General Comment for Maintenance:	ଧ		

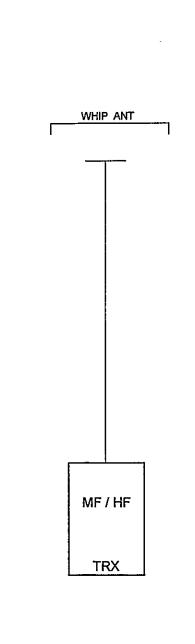
BBG-169-(1/1)

## OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service · PKF.25 Fix Service · 8AP21

Site Name: Banabungi

E	FREQUENCY	⊩	POWER		
	(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
2	Mobile Service				
-	2 182,0		150		
N	2 080,0	355	150	_	
<sub>60</sub>		355	150		
4	6215,0	<u>.                                    </u>	t		
Ŋ	6 209,0	355	150		
ဖ	6 510,0	355	150		
, i	Fix Service				
	5 165,0	336	150		
· &	1				
i   00					
9		†			
<u> </u>  }					
12					<del></del>
<u>်</u> က	1	1			
4					
15				; — ; —	
16		÷			
14		i			
18			;   	· -	
6.		1			
20					
7					
22					
23	1				
24					
12					





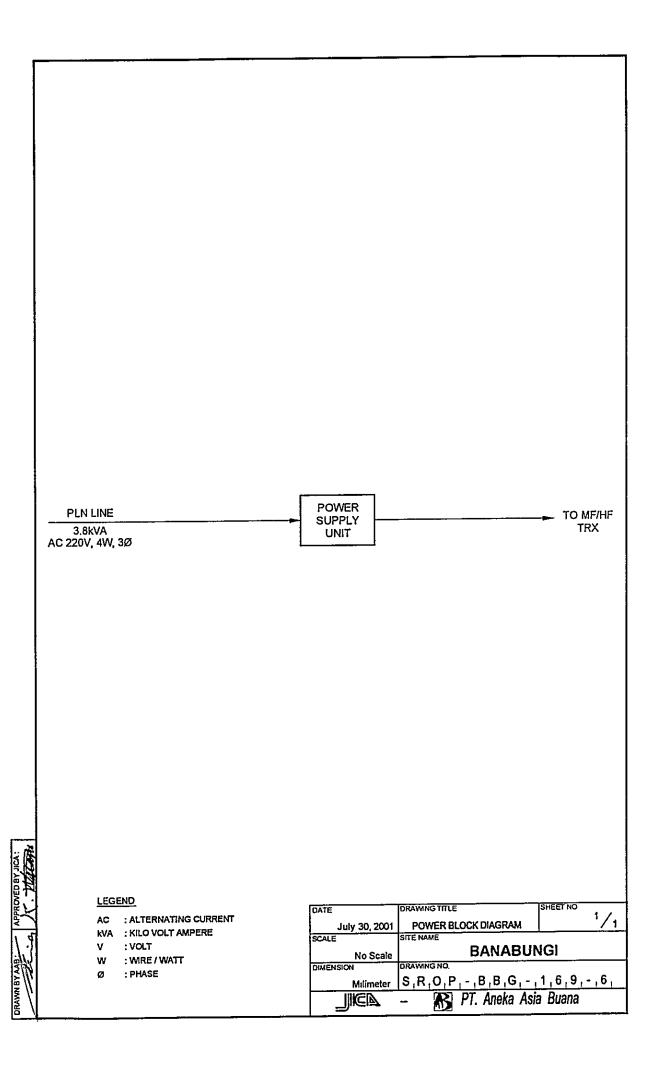
### LEGEND

ANT : ANTENNA

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER (ING)

DATE	DRAWING TITLE	SHEET NO
July 30, 2001	SYSTEM BLOCK DIAGRAM	'/1
SCALE	SITE NAME	
No Scale	BANABUI	NGI
DIMENSION	DRAWING NO.	
Milimeter	S,R,O,P,-,B,B,G,-	1,6,9,-,5,
	– 🚯 PT. Aneka Asi	a Buana

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

4th-B Class Coast Station

Malili

(Coast Station No. 170)

### **Table of Content**

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

### Note:

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

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

November 2001

LOCATION   Address   Tel.   Fax   Longitude   Latitude											SI	rF	м	ALI	T.I				
Station	SUMMARY	Y OF	COAS	ΓS	TA	TI	ON						_			N	0.	Т	170
Station	1. LOCATION	Ī											<del></del>					-	
	· · · · · · · · · · · · · · · · · · ·		iress		1		Tel.			J	Fax	Ì	Long	itud	le		Lat	itu	de
Moving from Jakarta	TX/RX Ji. Gemba l			-								_				0	2° 3	8′	30" E
Moving from Jakarta		•																	
By Air   10 Kendadi	2. GENERAL	CONE	ITIONS																
Description	Moving	from Ja	ıkarta	S	ite A	ccess	from	Port	j	Roa	d Trafi	iic .	Ac	comi	modat	ion	Po	pu	ation
By Car to Loadion	By Air to Kendari	[Tak	ing time: <u>4:00</u>	hr.] [	Hig	hwa	<u> </u>		_								<u> </u>		
None	By Car to Malili	[Tak	ing time: <u>12:30</u>	hr.] 🗹	l Pav	ed				1ediu	ım			<b>fote</b>	1		<u> </u>		
Store   Stor	By Car to Location	Tak	ing time: <u>0.20</u>	hr.] [	] Unj	paveo	i road												
Size Conditions			*						ΠИ	one							<u></u>		
Topography		3. (	CONDITIO	)NS	OF	ST	ATI	<u>ON</u>						I	Refer	to a	ttache	d d	Irawin
Flat	3.1 Site Conditi	ons																	
Slope	Topography	ļ	Natur	e of	Soil				Past	disa	ister of	site	Co	nfir	natior	of	existir	ıg 5	ystem
Hill-top	☑ Flat	Ø	Dry soil		Lir	nesto	one		Floo	ođ			Yes	N	0				
Dasin	□ Slope		Ordinary		Gr	avel							_						
Valley	☐ Hill-top	•			Ro	cky					-		_						
Altitude	1	,	•						Gro	und	Subsid	ence						_	
Land area	<del></del>		Sandy					_											
3.2 Building Conditions		<u> </u>						<u> </u>		epho								W	ay
PLN Source   E/G   Existing Power Conditions   Num. of story   Voltage   V   V   Good Bad				m²				Ш							City	/ Wa	ater		
Num. of story   Voltage   V   V   Good Bad	) <del></del>			<u> </u>						3.3		r Sc							
Structure   Phase	<del></del>	ruction	IS .	<del> </del>		P.	LN So		_		E/G		_			we	r Cor	ldi	tions
Type of ceiling						_		<u>v</u>	_			<u>v</u>							
Type of ceiling Type of wall Type of wall Type of wall Wall finish Fluctuations Flu	ļ—————————————————————————————————————			_		<u> </u>			_										
Type of wall   Quality of PLN source   Capacity of fuel for engine						<del> </del>			- -				_						
Wall finish   Fluctuations   220 V ± %   Day tank   Liter				KV.	<u> </u>				T N									_	
Restoration flow   Chief   C				C1	ctuat		uanty	01 1					_			1 14	et ioi		
Room Area (m²)	l			_[			fnour	or no				Hour			_				
Operation room   Company		Area (m	2)	_						<del>'- </del>						ıd-l	hv Sv		
Max. interpt. hours at once   Hours   Dual System		AI CA (III	_ <del></del> .							╁								310	124
A. OPERATION AND MAINTENANCE   S. PERSONNEL FORMATIONS			0.00							╁			+			_		_	
Actions taken in equipment failure   TX/RX		No Data	(Operated by					ul U				20011	· · · ·		<u> </u>	,,,,,,,			
Actions taken in equipment failure  Restoration flow  Examples of major failure  Chief  Operator (skilled)  Operator (skilled)  Technician (skilled)  Records of damages  Environmental Conditions  Administrator  Heavy rainfall  Storm  Mair pollution  Chief  Operator (skilled)  Administrator  Examples of major failure  Technician (skilled)  Administrator  External noises  Total  Institutional and Human Statuses		•				•													
Actions taken in equipment failure  Restoration flow  Examples of major failure  Chief  Operator (skilled)  Operator (skilled)  Technician (skilled)  Records of damages  Environmental Conditions  Administrator  Heavy rainfall  Storm  Mair pollution  Chief  Operator (skilled)  Administrator  Examples of major failure  Technician (skilled)  Administrator  External noises  Total  Institutional and Human Statuses	,	•																	
Restoration flow  Examples of major failure  Sufficiency of spares  Records of damages  Environmental Conditions  Administrator  Heavy rainfall  Storm  Lightning  Institutional and Human Statuses  Institutional Administrator  Institutional Ad	4. OP	ERAT	ION AND	MA	INI	EN	ANC	Œ			5. P	ERS	SON	NE)	L FC	R	MAI	CIO	ONS
Restoration flow  Examples of major failure  Sufficiency of spares  Records of damages  Environmental Conditions  Administrator  Heavy rainfall  Storm  Lightning  Other calamity  Institutional and Human Statuses  Institutional and Human Statuses  Insufficient  Reasonable  Reasonable  Not enough  Number of Operator  Reasonable  Reasonable  Not enough  Reasonable  Not enough  Not enough  Reasonable  Not enough  Not enough  Reasonable  Not enough											İ				TX	/RX	<b>(</b>		
Sufficiency of spares  Records of damages  Environmental Conditions Administrator  Administrator  Heavy rainfall  Storm  Cool Bad  External noises  Total  Lightning  Institutional and Human Statuses  Institutio	Restoration flow		<u> </u>								Chief								
Records of damages  □ Heavy rainfall □ Storm □ Lightning □ Other calamity □ Institutional and Human Statuses □ Budget □ Sufficient □ Reasonable □ Sufficient □ Reasonable □ Not enough □ Number of Operator □ Enough □ Reasonable □ Not so bad □ Not capable		e			İ						Opera	tor (s	killed	)			0		0
☐ Heavy rainfall ☐ Good Bad ☐ External noises ☐ Total ☐ Lightning ☐ Description ☐ Other calamity ☐ Description ☐ Course ☐ Sufficient ☐ Reasonable ☐ Insufficient ☐ Reasonable ☐ Not enough ☐ Reasonable	Sufficiency of spares										Techn	ician	(skille	d)			$0 \perp$		()
☐ Storm ☐ Lightning ☐ Lightning ☐ Air pollution ☐ Other calamity ☐ Institutional and Human Statuses ☐ Insufficient ☐ Reasonable ☐ Insufficient ☐ Course ☐ Class ☐ Location Period Trainee ☐ Spares ☐ Enough ☐ Reasonable ☐ Not en		s of dar	nages				nenta	l Co	nditi	ons	Admir	istra	tor						
□ Lightning □ Other calamity □ Other calamity □ Institutional and Human Statuses □ Sufficient □ Reasonable □ Insufficient □ Course □ Class □ Location Period Trainee 2 Spares □ Enough □ Reasonable □ Not enough 3 Measuring eqpt./tools □ Enough □ Reasonable □ Not enough 4 Number of Operator □ Enough □ Reasonable □ Not enough 5 Number of Technician □ Enough □ Reasonable □ Not enough 6 Capability of Operator □ Skilled □ Not so bad □ Not capable							ļ												
Unstitutional and Human Statuses  Institutional and Human Statuses  I Budget  I Sufficient  Reasonable  I Insufficient  Course  Class  Location Period  Trainee  I Spares  I Enough  Reasonable  Not enough											Tota	ı I							
Institutional and Human Statuses       Training Record         1 Budget       □ Sufficient       □ Reasonable       ☑ Insufficient       Course       Class       Location Period       Trainee         2 Spares       □ Enough       □ Reasonable       ☑ Not enough       □ Sufficient       □ Reasonable       ☑ Not enough       □ Sufficient       □ Reasonable       ☑ Not enough       □ Sufficient       □ Sufficient       □ Reasonable       ☑ Not enough       □ Sufficient				.	Ø		Air po	olluti	on										
1 Budget       □ Sufficient       □ Reasonable       ☑ Insufficient       Course       Class       Location Period       Trainee         2 Spares       □ Enough       □ Reasonable       ☑ Not enough       □							<u> </u>							•					
2 Spares □ Enough □ Reasonable ☑ Not enough 3 Measuring eqpt./tools □ Enough □ Reasonable ☑ Not enough 4 Number of Operator □ Enough □ Reasonable ☑ Not enough 5 Number of Technician □ Enough □ Reasonable ☑ Not enough 6 Capability of Operator □ Skilled ☑ Not so bad □ Not capable	<del></del>	Institut						X T	· ·		C							J T	:
3 Measuring eqpt./tools ☐ Enough ☐ Reasonable ☑ Not enough 4 Number of Operator ☐ Enough ☐ Reasonable ☑ Not enough 5 Number of Technician ☐ Enough ☐ Reasonable ☑ Not enough 6 Capability of Operator ☐ Skilled ☑ Not so bad ☐ Not capable												se	Clas	S	LOCAL	ton	Perio	<u> </u>	rainee
4 Number of Operator □ Enough □ Reasonable ☑ Not enough □ Sumber of Technician □ Enough □ Reasonable ☑ Not enough □ Capability of Operator □ Skilled ☑ Not so bad □ Not capable □ Not c		/A = #1 =													ļ			+	
5 Number of Technician ☐ Enough ☐ Reasonable ☐ Not enough ☐ Capability of Operator ☐ Skilled ☐ Not so bad ☐ Not capable ☐ Description ☐ Skilled ☐ Not so bad ☐ Description ☐ Descriptio																	·	+	
6 Capability of Operator □ Skilled ☑ Not so bad □ Not capable																_		十	
	<del></del>															!		$\dagger$	<del></del>
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SUMM	A DX/		OAST	CTLAT	riani			SITE	MAL	ILI		
PATTATOC	AKI	OF C	UASI	SIA.	LIUN			CLASS	41	h-B	NO.	170
		6. STA	TISTIC	CAL CO	MMU	VICA'	TION T	RAFF	IC DAT	[A		
	Mai	ritime Sa	fety			Pu	blic Te	lecomn	nunicat	ion Se	rvice	
Years	TG	TEL	DSC	NBDP	Years	Tele	phone	TG Call	Years	Tele	phone	TG Call
					1	Call	Minute			Call	Minute	
1996					1991				1996		1	
1997					1992				1997			
1998		1993 1998										
1999		1994 1999										
2000					1995				2000			
				7.	COM	MEN	TS		•			
Suggestion	It is very important to have own Coast Station Building and official house, land location 500M² with budget allocation											
Remarks												

Site Name: Malili

INVENTORY

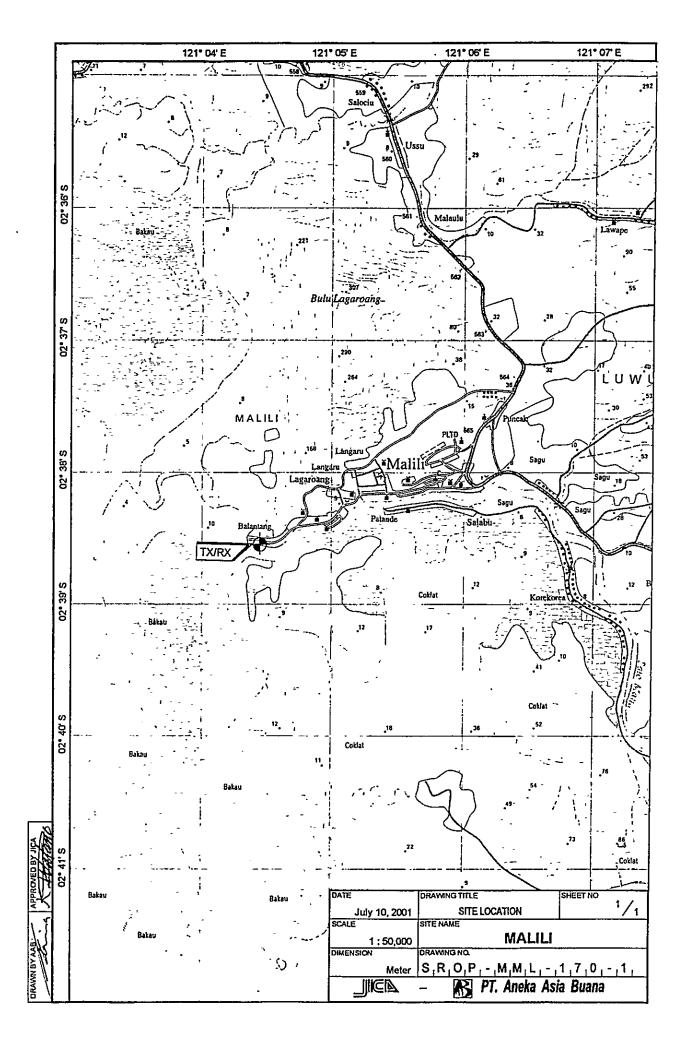
Condition	Good						
	ŭ	• .		 			
Maintenance Record			 		· 1/2		
Reference							
Date							
Manufacturer	Furuno						
Serial No			 ············				
Type	IC-M700						
Description	Radio Equipment Transmitter SSB Transceiver						
Registered No.	7., 94						
No	<del>-</del>			 			

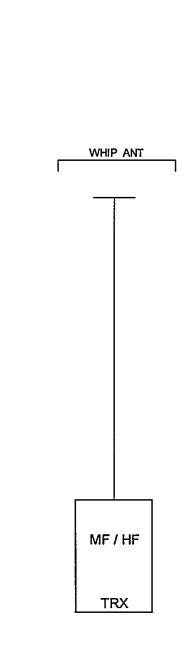
### MML-170-(1/1)

## OPERATION SCHEDULE (FREQUENCIES) Call Sign: Mobile Service. PKF.7 Fix Service : 8AP28

Site Name: Malili

13E	(W) 01 02 03 04 05 06 07 08 09 10 11  150	1 12 13 14 15 16 17 18 19 20 21 22 23 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
# #	150	
150		



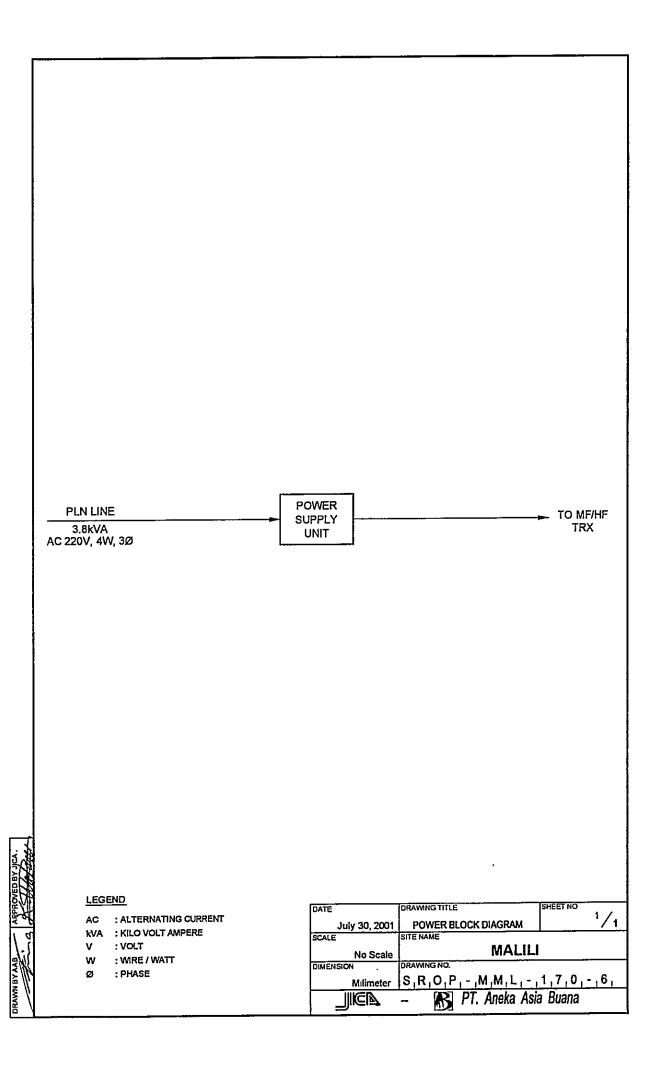


### LEGEND

ANT : ANTENNA

HF : HIGH FREQUENCY
MF : MEDIUM FREQUENCY
TRX : TRANSCEIVER (ING)

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



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