

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

## **4th-B Class Coast Station Labuhan Haji (Coast Station No. 115)**

### **Table of Content**

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

#### **TRX Drawings:**

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

#### **Note :**

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>LABUHAN HAJI</b>		
	<b>CLASS</b>	4th-B	<b>NO.</b>	115

<b>1. LOCATION</b>					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				115° 34' 25" E	08° 41' 47" S

<b>2. GENERAL CONDITIONS</b>					
Moving from Jakarta		Site Access from Port	Road Traffic	Accommodation	Population
By Air	to Mataram [Taking time 2.00 hr]	<input type="checkbox"/> Highway	<input type="checkbox"/> Heavy	<input type="checkbox"/> Hotel	
By Car	to Locaton [Taking time 1.00 hr]	<input type="checkbox"/> Paved	<input type="checkbox"/> Medium	<input type="checkbox"/> Motel	
		<input type="checkbox"/> Unpaved road	<input type="checkbox"/> Light		
			<input type="checkbox"/> None		

<b>3. CONDITIONS OF STATION</b>				Refer to attached drawing
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<b>3.1 Site Conditions</b>				
Topography	Nature of Soil		Past disaster of site	Confirmation of existing system
<input type="checkbox"/> Flat	<input type="checkbox"/> Dry soil	<input type="checkbox"/> Limestone	<input type="checkbox"/> Flood	Yes No
<input type="checkbox"/> Slope	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Gravel	<input type="checkbox"/> Flood Tide	<input type="checkbox"/> <input checked="" type="checkbox"/> Antenna
<input type="checkbox"/> Hill-top	<input type="checkbox"/> Swampy	<input type="checkbox"/> Rocky	<input type="checkbox"/> Rain Leakage	<input type="checkbox"/> <input checked="" type="checkbox"/> Towers (Masts)
<input type="checkbox"/> Basin	<input type="checkbox"/> Clay		<input type="checkbox"/> Ground Subsidence	<input type="checkbox"/> <input checked="" type="checkbox"/> Grounding system
<input type="checkbox"/> Valley	<input type="checkbox"/> Sandy			<input type="checkbox"/> <input checked="" type="checkbox"/> Lightning system
Altitude	M		Telephone Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> Feeder Cable Way
Land area	m <sup>2</sup>		<input type="checkbox"/> Lines	<input type="checkbox"/> <input checked="" type="checkbox"/> City water

<b>3.2 Building Conditions</b>		<b>3.3 Power Source</b>		
Constructions		PLN Source	E/G	Existing Power Conditions
Num of story		Voltage V	V	Good Bad
Structure		Phase		<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System
Type of roof		Wire		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G
Type of ceiling		kVA		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR
Type of wall		Quality of PLN source		Capacity of fuel for engine
Wall finish		Fluctuations	V ± %	Day tank Liter
Flooring		Availability of power per day	Hours	Main tank k Liter
Room Area (m <sup>2</sup> )		Power interruption /month	Times	E/G Stand-by System
Operation room		Total interpt. hours /month	Hours	<input type="checkbox"/> Single System
E / G room		Max interpt hours at once	Hours	<input type="checkbox"/> Dual System
Remark	No Data Removed to Lombok Harbour.			

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

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>LABUHAN HAJI</b>		
	<b>CLASS</b>	<b>4th-B</b>	<b>NO.</b>	<b>115</b>

**6. STATISTICAL COMMUNICATION TRAFFIC DATA**

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

**7. COMMENTS**

<b>Suggestion</b>	
<b>Remarks</b>	

# INVENTORY

Site Name: Labuhan Haji

LBH-115-(1/1)

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

# OPERATION SCHEDULE (FREQUENCIES)

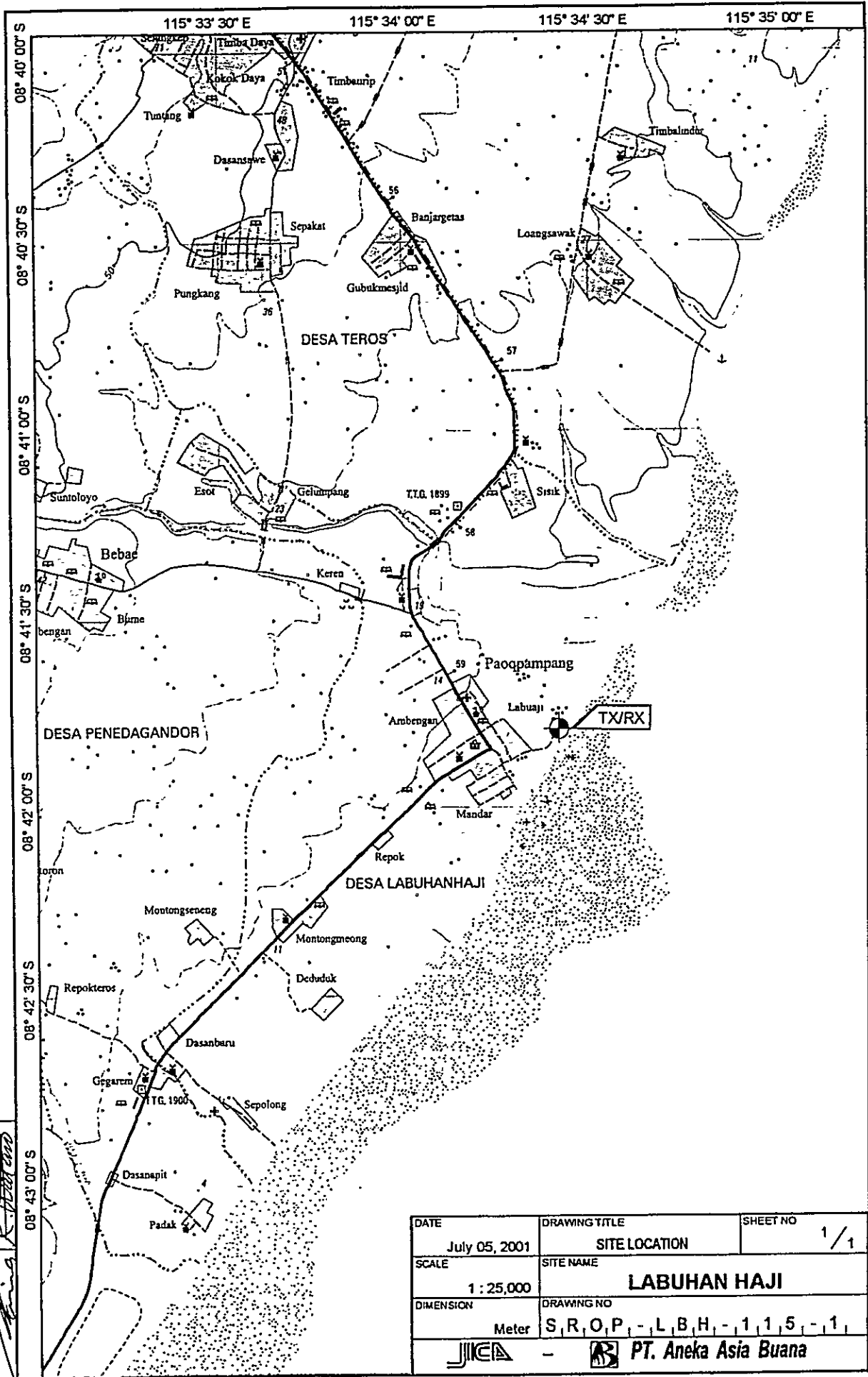
Site Name: Labuhan Haji

LBH-115-(1/1)

Call Sign : Mobile Service :  
Fix Service :

FREQUENCY (kHz)	EMISSION	POWER (W)	UTC																								REMARK
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1																											
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26																											
27																											

**Data not Available because Coast  
Station doesn't exists or Name only**



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 APPROVED BY JICA  


DATE	DRAWING TITLE	SHEET NO
July 05, 2001	SITE LOCATION	1 / 1
SCALE	SITE NAME	
1 : 25,000	LABUHAN HAJI	
DIMENSION	DRAWING NO	
Meter	S, R, O, P, - L, B, H, - 1, 1, 5 - 1	
JICA	PT. Aneka Asia Buana	

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

**4th-B Class Coast Station  
Kempo  
(Coast Station No. 116)**

## **Table of Content**

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

### TRX Drawings:

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

### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**

<b>SUMMARY OF COAST STATION</b>	<b>SITE</b>	<b>KEMPO</b>		
	<b>CLASS</b>	4th-B	<b>NO.</b>	116

1. LOCATION					
Station	Address	Tel.	Fax	Longitude	Latitude
TX/RX				118° 15' 24" E	08° 34' 20" S

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

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

3.2 Building Conditions		3.3 Power Source		
Constructions		PLN Source	E/G	Existing Power Conditions
Num. of story		Voltage	V	Good Bad
Structure		Phase		<input type="checkbox"/> <input checked="" type="checkbox"/> Power Supply System
Type of roof		Wire		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of E/G
Type of ceiling		kVA		<input type="checkbox"/> <input checked="" type="checkbox"/> Operations of AVR
Type of wall		Quality of PLN source		Capacity of fuel for engine
Wall finish		Fluctuations	V ± %	Day tank
Flooring		Availability of power per day	Hours	Liter
Room Area (m <sup>2</sup> )		Power interruption /month	Times	E/G Stand-by System
Operation room		Total interpt. hours /month	Hours	<input type="checkbox"/> Single System
E / G room		Max. interpt hours at once	Hours	<input type="checkbox"/> Dual System
Remark	No Data (Name Only)			

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



<b>SUMMARY OF COAST STATION</b>	SITE	KEMPO		
	CLASS	4th-B	NO.	116

**6. STATISTICAL COMMUNICATION TRAFFIC DATA**

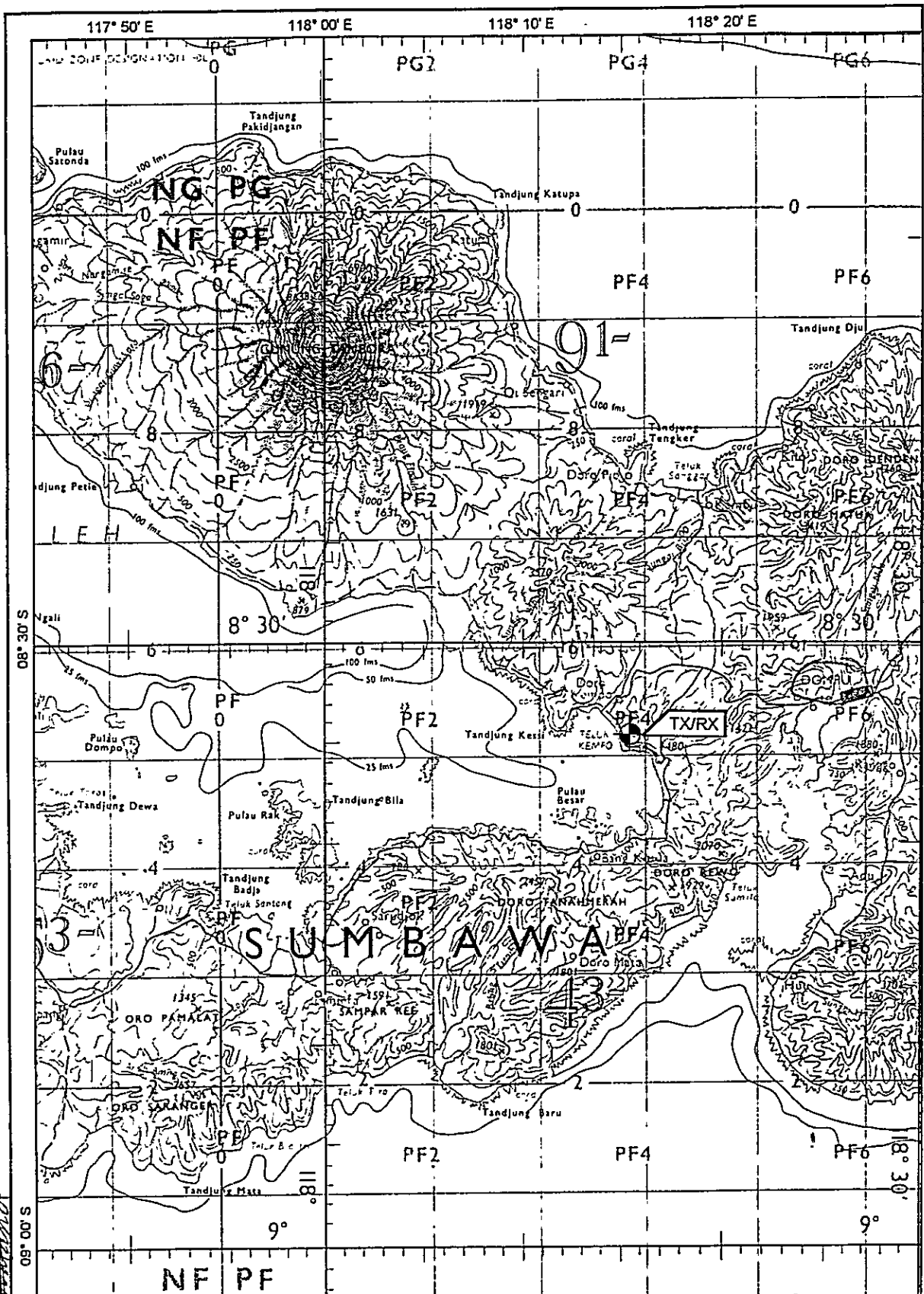
Maritime Safety					Public Telecommunication Service							
Years	TG	TEL	DSC	NBDP	Years	Telephone		TG Call	Years	Telephone		TG Call
						Call	Minute			Call	Minute	
1996					1991				1996			
1997					1992				1997			
1998					1993				1998			
1999					1994				1999			
2000					1995				2000			

**7. COMMENTS**

Suggestion	
Remarks	







DRAWN BY AAB  
 APPROVED BY JICA

NF PF  
 NE PE  
 PE  
 PF

DATE	DRAWING TITLE	SHEET NO
July 05, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	KEMPO	
DIMENSION	DRAWING NO	
Meter	S, R, O, P, - , K, M, P, - , 1, 1, 6, - , 1,	
-  PT. Aneka Asia Buana		

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

**4th-B Class Coast Station  
Benete  
(Coast Station No. 117)**

## **Table of Content**

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

### TRX Drawings:

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

### Note :

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

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**November 2001**



<b>SUMMARY OF COAST STATION</b>	SITE	BENETE		
	CLASS	4th-B	NO	117

**6. STATISTICAL COMMUNICATION TRAFFIC DATA**

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

**7. COMMENTS**

Suggestion	
Remarks	

# INVENTORY

Site Name: Benete

BNT-117- (1 / 1)

No	Registered No.	Description	Type	Serial No	Manufacturer	Date	Reference	Maintenance Record	Condition
1		<b>Radio Equipment</b>							
1-1		Operation Console/Desk/Rack							
1-1-1		MF/HF Console							
1		MF/HF Transceiver	HT-4550	3047980003	Sailor	1996			
1-1-2		HF Console							
1		HF Radio DSC/Telephone	HC-4500	3063100014	Sailor	1996			
1-2		VHF System							
1		VHF Radio DSC CH-70	RM-2042	3060430007	Sailor	1996			
2		VHF Radio Telephone CH-16	RT-2048	3063090038	Sailor	1996			
2		<b>Tower &amp; Antenna System</b>							
2-1		Tower & Mast							
1		25mH Self Supporting				2000			
2		15mH Pole Guy Mast				2000			
3		8mH Pole Guy Mast				2000			
4		Grounding				2000			
2-2		Antenna System							
1		Dipole Antenna				2000			
2		Wave Antenna				2000			
3		VHF Antenna (x2)				2000			
2-3		Antenna Selector							
1		Antenna Tuner				2000			
3		<b>Power Supply Equipment</b>							
3-1		Antenna Selector							
1		Power Supply	PCH-4652	3064120005	Sailor	1996			
2		Power Supply	PCH-4652	3064120007	Sailor	1996			
3		Alarm Panel	AP-4365	4062780037	Sailor	1996			
4		Battery panel	BP-4680	3062920012	Sailor	1996			
4		<b>Others</b>							
1		Air Conditioning	Split		General	2000			
2		Typewriter	Linea 98	P-016-17	Olivetti	2000			
3		Quart Clock (x2)			Seiko	2000			
4		Telephone			Luccint	2000			



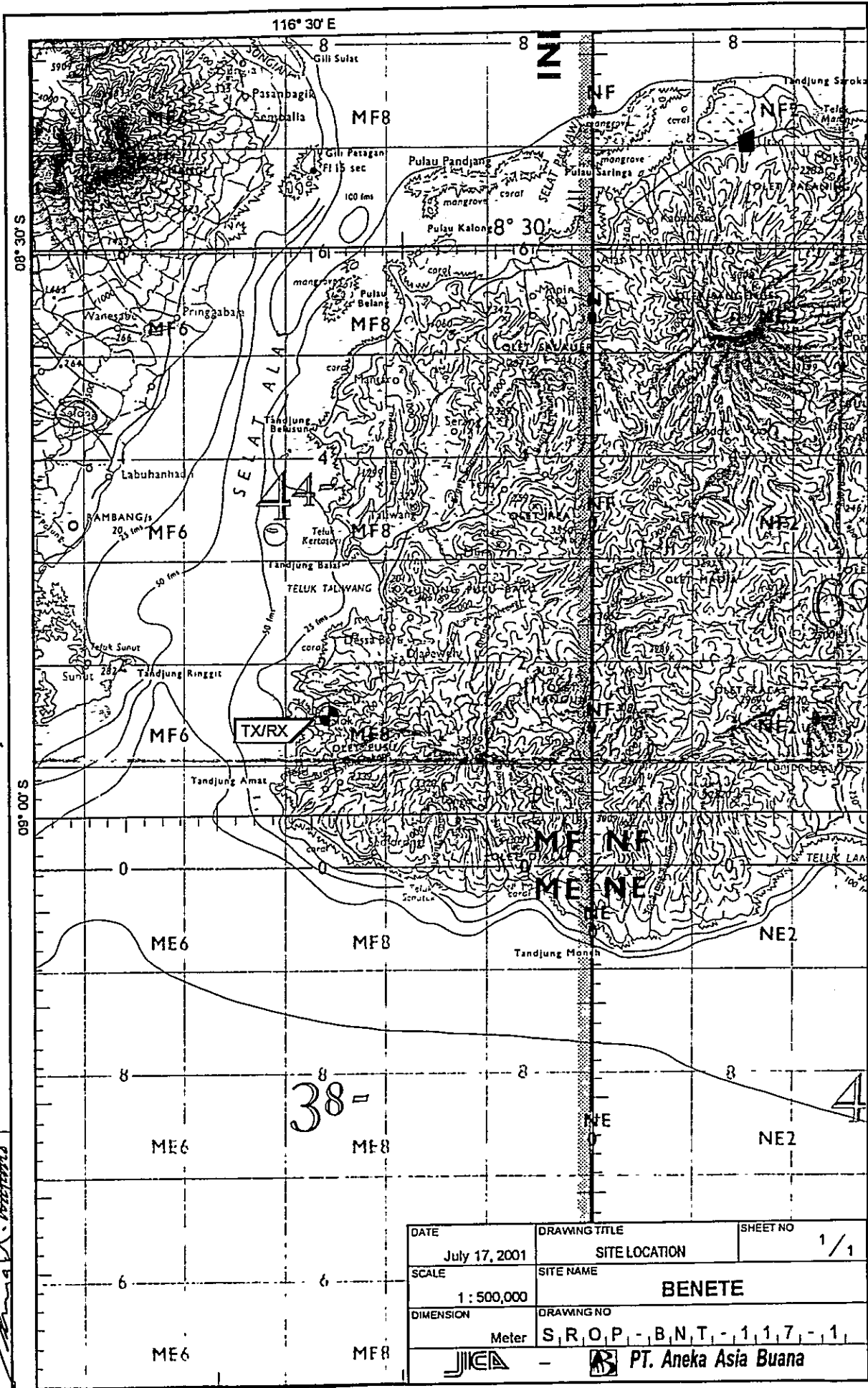
# STATUS OF TROUBLES

SITE NAME : BENETE

BNT-117-(1/1)

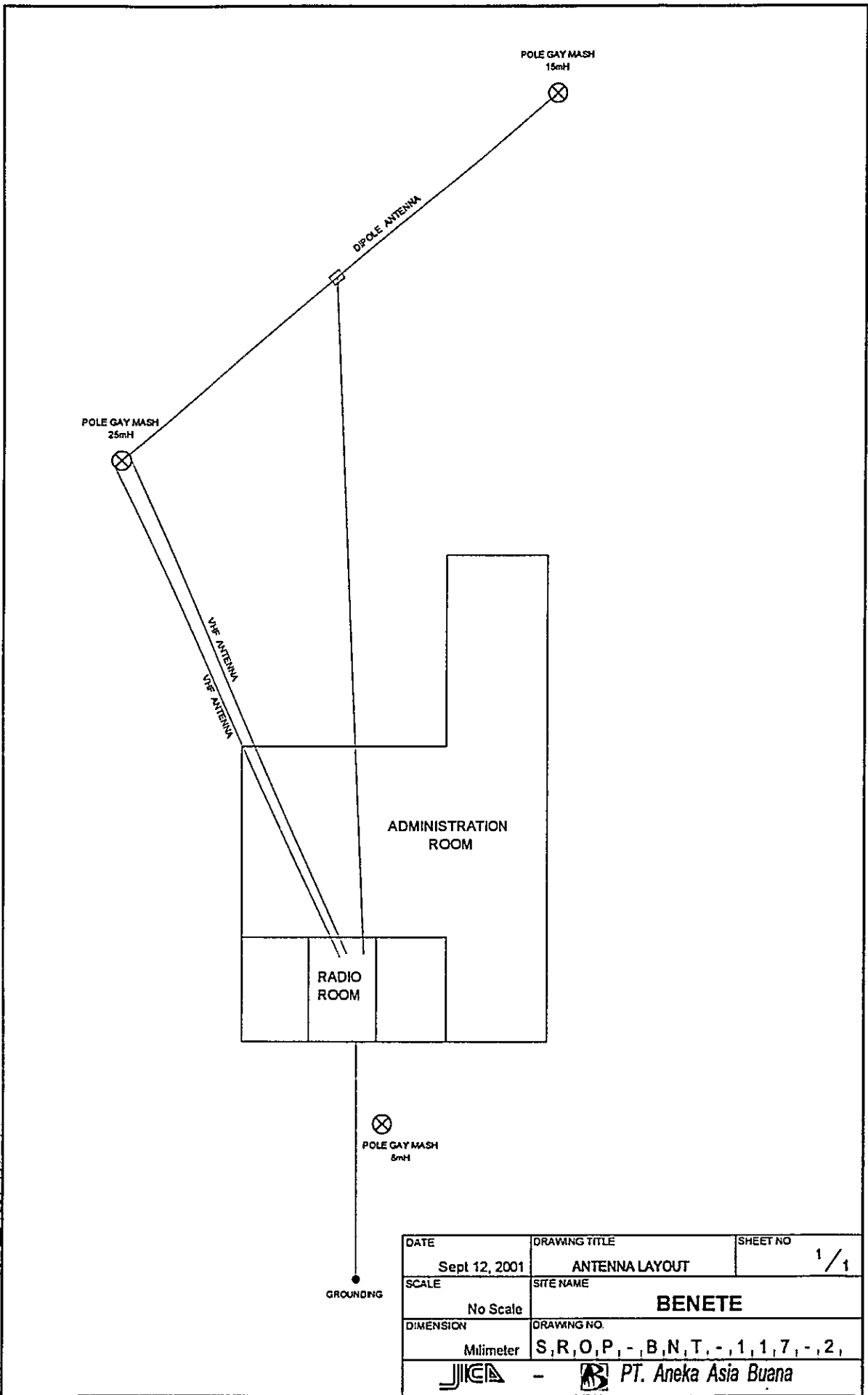
Item / Equipment	- / -		
Manufacturer	-		
Manufacturer in year	-		
Defective panel / unit	-		
Details of Trouble Status	Cause doe to:		Repairing to be:
	<input type="checkbox"/> Aging		<input type="checkbox"/> Immediacy
	<input type="checkbox"/> Lightning		<input type="checkbox"/> By next year budget
	<input type="checkbox"/> Corrosion		<input type="checkbox"/> By next project
	<input type="checkbox"/> Lack of Spares		<input type="checkbox"/> Unnecessary
	<input type="checkbox"/> Others		
<u>General Comment for Maintenance:</u>			
<p>Benete Coast Station has been operationed since April 2001, with the recommend from DGSC No. NV.800/06/72/D-IV-2000 dated December 21, 2000 and Postel Permit No. 100/T/D/IF/2001 dated February 26, 2001</p> <p>Benete Coast Station Building is belong to PT Newmon Nusa Tenggara and operation by himself.</p> <p>Equipment facility, repairing, spare part, power plant and others are financed by PT. Newmon.- Nusa Tenggara</p>			





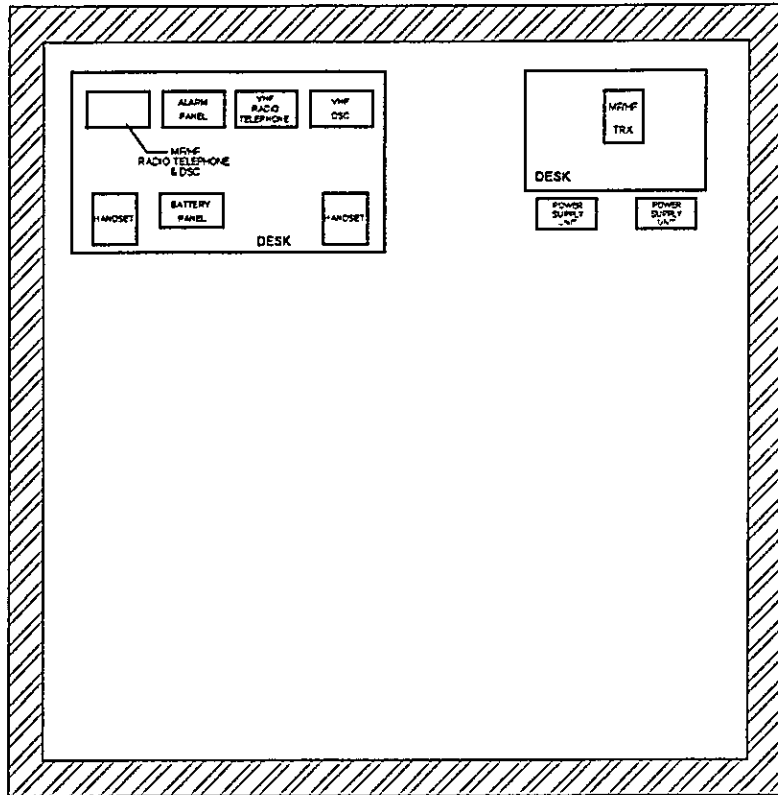
DRAWN BY AAB  
 APPROVED BY JICA  
 11/27/2001

DATE	DRAWING TITLE	SHEET NO
July 17, 2001	SITE LOCATION	1/1
SCALE	SITE NAME	
1 : 500,000	BENETE	
DIMENSION	DRAWING NO	
Meter	S, R, O, P - B, N, T - 1, 1, 7 - 1	
JICA	PT. Aneka Asia Buana	



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 APPROVED BY JICA



DATE	DRAWING TITLE	SHEET NO
Sept 12, 2001	ANTENNA LAYOUT	1 / 1
SCALE	SITE NAME	
No Scale	<b>BENETE</b>	
DIMENSION	DRAWING NO.	
Milimeter	S, R, O, P, -, B, N, T, -, 1, 1, 7, -, 2,	

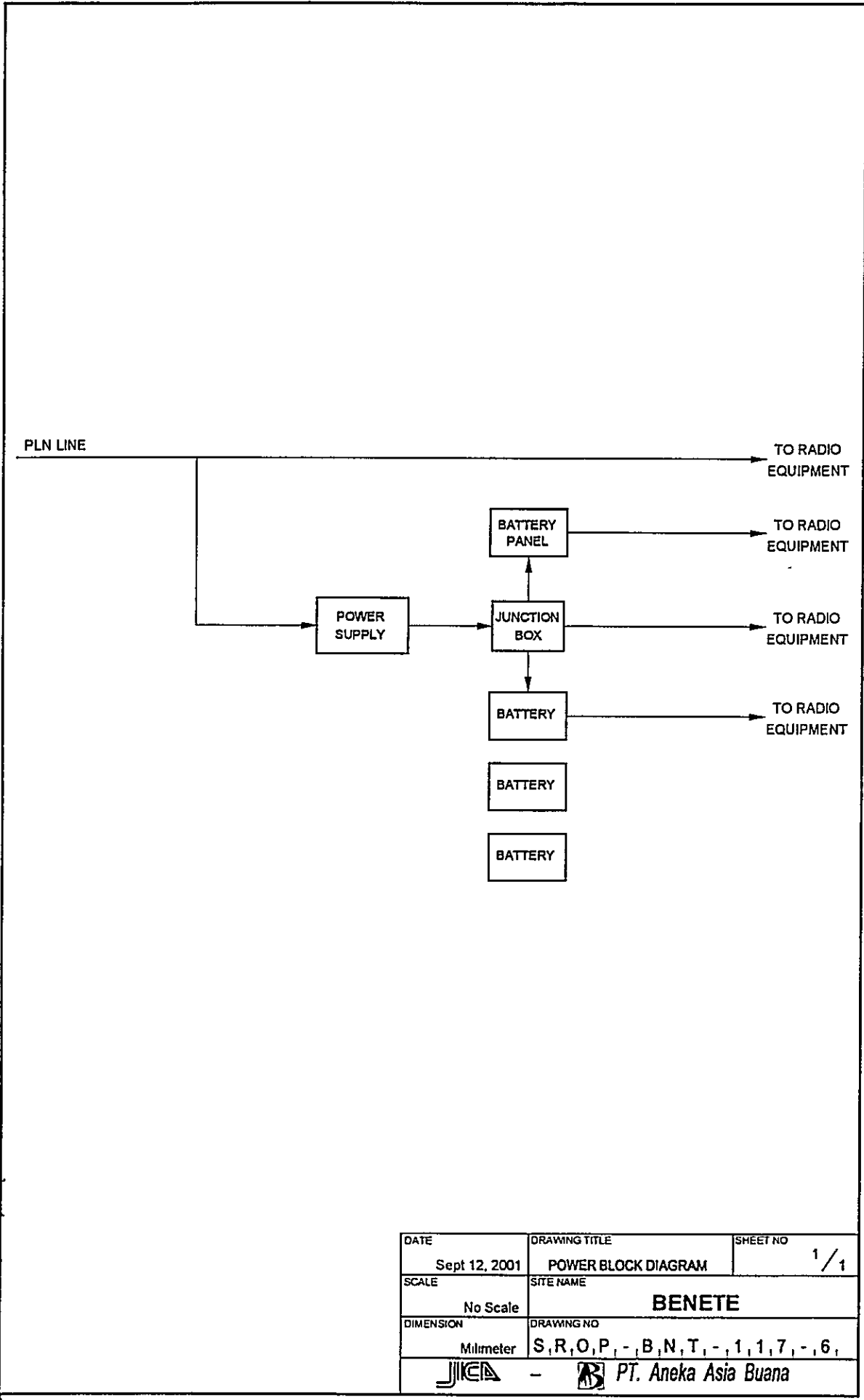


**LEGEND**

- DSC : DIGITAL SELECTIVE CALLING
- HF : HIGH FREQUENCY
- MF : MEDIUM FREQUENCY
- TRX : TRANSCEIVER

DRAWN BY AAB  
 APPROVED BY JICA  


DATE Sept 12, 2001	DRAWING TITLE EQUIPMENT FLOOR LAYOUT	SHEET NO 1 / 1
SCALE No Scale	SITE NAME <b>BENETE</b>	
DIMENSION Milimeter	DRAWING NO S,R,O,P,-,B,N,T,-,1,1,7,-,3,	
 -  PT. Aneka Asia Buana		



DRAWN BY AAB  
 APPROVED BY JICA

DATE	DRAWING TITLE	SHEET NO
Sept 12, 2001	POWER BLOCK DIAGRAM	1/1
SCALE	SITE NAME	
No Scale	BENETE	
DIMENSION	DRAWING NO	
Milimeter	S,R,O,P,-,B,N,T,-,1,1,7,-,6,	
-  PT. Aneka Asia Buana		









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