SUMMARY OF PCG STATION CLASS NO.	
1. LOCATION	
Station Address Tel. Fax Longitude Lati	
CGS-Ormoc Ebony St., Port Area, Ormoc City 053-5614213 None "E" "E" °	′ ″N
2. GENERAL CONDITIONS	
	oulation
By to Tacloban [Taking time: 1.0 hr.] ☐ Heavy ☐ Heavy ☐ Hotel	
By to Station [Taking time: 2.0 hrs.] ✓ Paved ✓ Medium ✓ Motel	
By to [Taking time: hr.] □ Unpaved road □ Light ✓ Pension	
Airport Name: Seaport Name: Tacloban Airport Ormoc Port	
3. CONDITIONS OF STATION Refer to attached	d drawing
3.1 Site Conditions	
Topography Nature of Soil Past disaster of site Existing Building/Tov	ver Data
√ Flat □ Dry soil □ Limestone √ Flood Yes No	
□ Slope □ Ordinary √ Gravel √ Typhoon □ √ Boring Log 1	Data
	•
	rup
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological N	
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Model □ Valley √ Sandy □ Earthquake □ √ Structural C	alculation
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ $$ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ $$ Geological Model □ Valley $$ Sandy □ Earthquake □ $$ Structural Company	alculation rawing
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Model □ Valley √ Sandy □ Earthquake □ √ Structural Company Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D	alculation rawing e Vehicle
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Altitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 1	alculation rawing e Vehicle
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Altitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 9 3.2 Building Conditions 3.3 Power Source	alculation rawing • Vehicle more
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Altitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 1 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor	alculation rawing • Vehicle more
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Model □ Valley √ Sandy □ Earthquake □ √ Structural Conditions Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural Downstructural D	alculation rawing e Vehicle more
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Registration □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Model □ Valley √ Sandy □ Earthquake □ √ Structural Conditions Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural Downstructural Downst	alculation rawing e Vehicle more aditions
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Region □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Management □ Valley √ Sandy □ Earthquake □ √ Structural Candidate Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural Data Str	alculation rawing e Vehicle more aditions y System F E/G
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Altitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / y 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of	alculation rawing e Vehicle more aditions v System FE/G
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Altitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 1 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of Ceiling Mat. Plywood kVA □ □ Operations of	alculation rawing e Vehicle more aditions v System F E/G F AVR
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Attitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 2 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of Ceiling Mat. Plywood kVA □ □ Operations of Wall Material CHB Quality of Commercial Source Capacity of fuel for Wall finish Plaster/Paint Fluctuations 3-5 V ± % Day tank N/A <td>alculation rawing e Vehicle more aditions v System F E/G F AVR</td>	alculation rawing e Vehicle more aditions v System F E/G F AVR
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Altitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 2 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of Ceiling Mat. Plywood kVA □ □ Operations of Wall Material CHB Quality of Commercial Source Capacity of fuel for Wall finish Plaster/Paint Fluctuations 3-5 V ± % Day tank N/A Flooring Mat. Vinyl/Plain Cement Availability of power per day 24 Hours Main tank N/A Water Leakage Yes (some portions) Power interruption /month 1 Times	alculation rawing e Vehicle more aditions y System F E/G F AVR engine Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural C Attitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 2 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of Ceiling Mat. Plywood kVA □ □ Operations of Wall Material CHB Quality of Commercial Source Capacity of fuel for Wall finish Plaster/Paint Fluctuations 3-5 V ± % Day tank N/A Flooring Mat. Vinyl/Plain Cement Availability of power per day 24 Hours Main tank N/A Water Leakage Yes (some portions) Power interruption /month 1 Times Room Area (m²) Total interpt. hours /month 2 Hours E/G Stand-by Sy	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural C Attitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 1 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of Ceiling Mat. Plywood kVA □ □ Operations of Wall Material CHB Quality of Commercial Source Capacity of fuel for Wall finish Plaster/Paint Fluctuations 3-5 V ± % Day tank N/A Flooring Mat. Vinyl/Plain Cement Availability of power per day 24 Hours Main tank N/A Water Leakage Yes (some portions) Power interruption /month 1 Times Room Area (m²) Total interpt. hours /month 2 Hours E/G Stand-by Sy Operation room 3.35 x 2.0=6.7sq.m. Max. interpt. hours at once 2 Hours □ Single System	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Model □ Valley √ Sandy □ Earthquake □ √ Structural Conditions Ground Water Table: m (Well / Rain-/Dry- Season) Others () □ √ Structural Downs And Structural Downs And Structure Land area 447 m² One Line 2t / 4t / 6t / 10t / 1	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological North Ground Water Table: □ Walley √ Structural Commod Water Table: □ Well / Rain- / Dry- Season) Others (□ √ Structural Commod Water Table: □ √ Structural Commod Water Table: □ Water Leakage □ √ Structural Commod Water Table: □ Wall Adarca □ √ Structural Commod Water Wate	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological No □ Valley √ Sandy □ Earthquake □ √ Structural Company Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural Downs Attitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Model □ Valley √ Sandy □ Earthquake □ √ Structural Commend Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural Commend Aktitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological M □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural D Attitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 1 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of Ceiling Mat. Plywood kVA □ □ Operations of Wall finish Plaster/Paint Fluctuations 3-5 V ± % Day tank N/A Flooring Mat. Vinyl/Plain Cement <td>alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter</td>	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Structural C □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural C Altitude M Telephone Lines Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / ½ 3.2 Building Conditions 3.3 Power Source Constructions Supplier LEYECO II E/G Existing Power Cor Num. of story One Storey Voltage 220 V N/A Good Bad Structure Concrete Phase 3 Phase √ □ Power Supply Roof Material G.I. Sheets Wire 3 Wire □ □ Operations of Ceiling Mat. Plywood kVA □ □ Operations of Wall finish Plaster/Paint Fluctuations 3-5 V ± % Day tank N/A Flooring Mat. Vinyl/Plain Cement Availability of power per day 24 Hours Main tank N/A </td <td>alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter</td>	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
Hill-top	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
Hill-top	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological Notations □ Valley √ Sandy □ Earthquake □ √ Structural Company Ground Water Table: m (Well / Rain- / Dry- Season) Others () □ √ Structural Company Altitude M Telephone Line Max. Size of Passable Land area 447 m² One Line 2t / 4t / 6t / 10t / 10	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological N □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others (alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
Hill-top	alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter
□ Hill-top □ Swampy □ Rocky (hard) □ Settlement □ √ Soil Test Re □ Basin □ Clay □ Rocky (soft) □ Landslide □ √ Geological N □ Valley √ Sandy □ Earthquake □ √ Structural C Ground Water Table: m (Well / Rain- / Dry- Season) Others (alculation rawing e Vehicle more aditions v System FE/G FAVR engine Liter k Liter

SUMMARY OF PCG STATION

SITE CGD ORMOC CLASS NO.

	· · · · · · · · · · · · · · · · · · ·												_
	y of Site and	Equipment	Roo	m									
Yes No					Υe	s No							
	Lock at Entrance	e Door						k at Windo					
	atticed Window	V			1		Sec	urity Patrol	on Site				
√ □ <u>\$</u>	Security Fence				√		_	urity Patrol			_		
Remark		of responsibility				c covers 1	he m	ınicipalities	of Palomp	on, Merid	a, Isa	bel,	
	Albuera, E	Baybay and Orm	ioc Ci	ity its	elf.								
	properly a 1. Floating 2. Mobility 3. Generat 4. Commu 5. Fax ma		Power nent	r func er Sup inclu	tion ply ding	ns: g hand he	ld rad	-	by CGS-O	rmoc to er	able	them	to
4,	OPERATIO)N AND MA	INI	ENA	AN	CE		5. PERS	SONNEI	L FORM	AT)	(ON	S
	Actions ta	ıken in equipm	ent fa	ilure						ablemar militar om stil me sas salital far labels labe	1	at all the brother the blocks	Est New-Hi
Restoration flow	send to	by local technic HCGD- Cebu f	or rej	oair				Chief	richiand which disk with the third the state of the state	I		felfferson mwelfel	
Examples of majo	or failure Equipn signal	nent cannot tran	ısmit/	recei	ive 1	nessages	No	Operator (skilled)	1		()
Sufficiency of spa	res None		·					Technician			_	()
	ecords of dama	ıges			nen	tal Cond	itions	Administra	ator	man a manara a malifera a riama Mari - Meliano	hanistaris	alexadoloxed salvas skiba	atra relaetski s
☐ Heavy rair	ıfall		Good	ļ		**************************************	***************************************						
□ Storm		r hillinde a havenandel was which his first code hid a his code had hid a hid a hid hid and hid and a hid hid a			***	ernal noi:		Tota	1	2			
☐ Lightning					Air	pollution	<u> </u>	ar Bannari katalanda heritetek diretek kerenta	. pa. pr. pr. au. pp. au. au. ap. au. au.				*************
☐ Other cala			54.		<u> </u>				70	M d			
1 D-1-4-4	Institutio	nal and Human ☐ Sufficient □		tuses isonal	h1a	√ Insuff	ioiont	Course		ng Record		Trai	200
1 Budget 2 Spares		}		isonal		√ Not e		,	Ciass	LUCATION	er iou	TIAL	iicc
3 Measuring	ragnt /tools		***********	isonal	*****				anda Mr Herdi Mindrana and an annual and				
4 Number of			w.=	isonal	+		-изим-кантина						
	f Technician		******	isona			······································			M1M1M-M7P1-P11M-M1M4M-M1M		4	
6 Capability		ļ		t so b		□ Not c			maaluun suu linnad Meheeli Middiske Midis	M.H.10034-14760N-1449N-144			
	of Technician	ļ		t so b		√ Not c							********
reaparativ	OI TOURISMEN							<u>′1 </u>		<u> </u>			=
5			- 1	6. C	OV	AMEN'	IS			······································			
Suggestion	Comments/Recor								······································				
Remarks	Cebu district detachments 2. Installation 3. Increase size of messages 4. Increase the for an efficition of technician. 7. Provision of technician. 8. Provide teles	f HF (to replace est headquarter constant station to verify of appropriate and e of operations rost. In number of skille ent 24hrs communications a communications of standby general efax machine as a ilapidated portion	ntact (intact (interpretation) doperation doperation reparts main tor set fast a	HF equential equation are considerator are considerators are considerators.	uipn t und nted ope and p uipn ses, o ace re	nent) as weller its area on self — stration room or ovide transent operations, transepair group uninterruntive means	ell as for of rest supporting with the second secon	for direct control ponsibility (\text{\text{ting type structure}} air-condition of personnel (ervice. a, I.C.s, etc.). be Cebu districture constitute over supply to the constitute of the con	act from sta /HF equipm acture/ pole. ning unit an especially t ct headquar wenty four	ntion to coasent). d computer the non-rate ter with rat hours (24 h	t guar for th d pers	rd e typi sonnel ectroni	ng

CTIMANA A DA	OF DOC ST	ATIO	NI			SITE	CGS MAS	SIN	
SUIVIIVIAK Y	OF PCG ST	AHU	11			CLASS		NO).
1. LOCATION									
Station	Address		Tel.				Longitude		Latitude
l l	Brgy. Abgao, Port Area, I City	Maasin	053-3814	4501		None	°''E		° ′ ″N
2. GENERAL (CONDITIONS								
	from Manila	Site Acc	ess from Po			ad Traffic	Accommod	ation	Population
By to Tacloban Plane	[Taking time: 1.0 hr] √ Highw	/ay		Heav	vy	√ Hotel		
By to Station Car	[Taking time: 4.0 hr.] √ Paved		<u>√</u> N	Medi	um	√ Motel		
By to	[Taking time: hr	Unpa	ved road		Ligh		√ Pension	,	
Airport Name :	Seaport Name				Non	e			
Tacloban Airport							7.0		
	3. CONDITIO	NS OF S	<u>STATIO</u>	N			Refer	to at	tached drawing
3.1 Site Conditi							1		
Topography	Nature Nature					saster of site	Yes No	uildin	g/Tower Data
√ Flat □ Slope		□ Lime √ Grav	estone	+	ood ypho	NOT		orina	Log Data
☐ Hill-top			y (hard)		_	ment			st Report
□ Basin			cy (soft)		ands				ical Map
□ Valley	√ Sandy		-) (22-0)	_		quake			ral Calculation
Ground Water Tal	•	in- / Dry-	Season)		thers	^	- i	_	ral Drawing
Altitude		M		T	elep	hone Lines	Max. Size	of Pa	ssable Vehicle
Land area	544	m²				Lines	2t / 4t	/ 6t /	10t / <u>more</u>
3.2 Buildin	g Conditions				3.	3 Power So	ource		
	ructions	Supplier	SOLE	co		E/G	Existing	r Conditions	
Num, of story	One Storey	Voltage	220	_		N/A V	Good Bad		
Structure		Phase	3 Pha		<u>.</u>				Supply System
Roof Material	G.I. Sheets	Wire	3 W	іте					ons of E/G
Ceiling Mat.	K	kVA			Ļ,				ons of AVR
Wall Material	CHB		ality of Co		rcia			of fu	el for engine
Wall finish		Fluctuatio		5 V	1	± %	Day tank	ļ	N/A Liter
Flooring Mat. Water Leakage			ty of powe		-	24 Hour	s Main tank	<u> </u>	N/A k Liter
	Yes (some portions) Area (m ²)		rpt. hours			12 Hour		tand	by System
Operation room			rpt. hours		-	8 Hour	_	le Sys	
E / G room	None						□ Dual	Syste	em
	on / Ventilation of	Equipp	nent Roc	om					
Yes No		~-qp							
□ √ Air Co	ondition Unit:	Ty	pe:	C	Capa	city:			
□ √ Exhau	st Fan Unit:	Ty	pe:	C	Capa	city:			
	on of Existing Syst	em							
Yes No									
	s (Masts) Type:		nce:		_	ıt (m):			
√ □ Anten		ize:		ght (m			ection: (anter	mae u	nserviceable)
		ize:		ght (m			ection:		
		ize:		ght (m			ection: ection:		
√ □ Groun	Type: S ding system	ize:		ght (m		Lightning syst			
	r Cable Way		1			City water sup			
1 1 000001	. cause may		1			,iacor bup	F-7		

SUMMA	ARY	V OF I	PCG STA	ATI	\overline{ON}				SITE	CGS M	IASSIN		
									CLASS		NO).	
	y of	Site and	Equipmen	t Roo	<u>m</u>	3.7							
Yes No						Ye							
		t Entrance			•	√			k at Window				
		ed Windov	V			$\frac{1}{\sqrt{2}}$			urity Patrol		T		
		ty Fence	C	E C1	CC M				urity Patrol				J
Remarks			of responsibilit own of Inopac							n or Sour	iern Leyte	e exter	laing
			guard station : small compou										
ļ		The provis	sion of the foll	owing	items	wei	e aired by	CGS	S-Maasin in	order or	them to p	erforn	ı their
			responsibiliti					:					
			on of Commur		ı Equi	ipme	ent						
			on of Generato ion of addition		nnute	r I In	nite						
			on of floating					lity vo	ehicle				
			n of additiona										
4	. OP	ERATIC	ON AND M	AINI	ENA	N	CIE		5. PERS	ONNE	L FORI	MAT	IONS
		Actions ta	ken in equip	ment f	ailure	ļ							
Restoration flow		Repair by Cebu for	/ local technician o	therwise	equipn	nent i	s send to HC	GD-	Chief]	L	
Examples of maj	or failu		ent cannot transmit	/ receive	messag	ges; N	o signal	W.W.W	Operator (s	killed)	-	1	()
Sufficiency of sp	ares	None							Techniciar		Non	e	()
F	lecoro	ls of dama	iges	Env	ironn	nent	al Condi	tions	Administra	itor			######################################
☐ Heavy rain	nfall	**************************************	#-HH-H-HH-H-H-H-H-H-H-H-H-H-H-H-H-H-H-H	Good	Bad			·					
□ Storm					-}		rnal nois	es	Tota	adods barbar surved should not shi shi sat this sa	ļ2	2	
☐ Lightning ☐ Other cala						Air	pollution				<u> </u>		mman warashidelek
- Other care	шцу	Institutio	nal and Hum	an Sta	tnees					Traini	ng Record	d	
1 Budget		Institutio	☐ Sufficient			ole	√ Insuffi	cient	Course	Class	Location		Trainee
2 Spares	· n n n acurran a	Historian Marke Herterman and Street and CM	□ Enough			j	√ Not en						
3 Measurin	g eqpt	/tools	□ Enough	□ Rea	isonal	ole	√ Not en	ough					
4 Number o		~	□ Enough	□ Rea			√ Not en	ough		landski - niklas ika 110 kit nis 11 110 kit 110 kit 110 ki	живанынынаван		
5 Number o			□ Enough	□ Rea		•••••••••••	√ None	****	- Mari erriteria err		-		
6 Capability		communication and a second and a second and a	□ Skilled	√ No		·~~	□ Not ca	pable			ļ	***************************************	
7 Capability	of Te	chnician	□ Skilled	□ No	t so ba	ad	√ None					····	
	,			(6. C	ON.	IMENT	`S	•				
Suggestion	<u> </u>			· · · · = · · ·									
			nmendations HF and VHF e	vininga	ent to s	attoir	direct eta	tion to	Cebu distric	t headanar	ter contact	(HE e	nninment)
			direct contact										
			y (VHF equipm				_						
			of appropriate a e of operations :									r for th	e turina
		of messages		toom, p	TOVICE	opei	atton room	ı wıtıı	an-condition	nig unit an	d compac	1 101 0	ic typing
Remarks	4. 3	ncrease the	number of skill							especially	the non-rat	ted per	sonnel)
itemar ks			ent 24hrs comm										
			fast moving sp a communication							et headqua	rter with ra	ited ele	ectronic
	1	echnician.											
			standby gener									hrs.) a	day.
			fax machine as lapidated portio							unumcatio	118.		
	1												

SUMMARY	OF PCG ST	TATIO	N			SITE	CGS TAC			
			_ · ·		·	CLASS		NC).	
1. LOCATION							• •		T	
Station	Address Brgy. San Jose, Taclobar	City	Tel.		Fax		ongitude ′″E	,	<u>Latitu</u>	" N
		City	None	;	None		1			
2. GENERAL	•							· · · · · ·		
	from Manila		ess from Po		Road Tr	affic	Accommoda	ation	Popul	lation
By Plane to Taclob		:] <mark>√</mark> Highw	ay		[eavy		<u>√</u> Hotel			
By Car to Station] √ Paved			edium		<u>√</u> Motel			
By to		:] 🗆 Unpar	ved road	-	ight	;	√ Pension			
Airport Name : Tacloban Airport	Seaport Nam Tacloban I				lone					
	3. CONDITIO		STATIO	N	•	·	Refer	to att	ached d	lrawing
3.1 Site Conditi									•	
Topography	Nature	of Soil		Past	t disaster	of site	Existing B	uilding	z/Tower	Data
√ Flat			stone	□ Flo	od		Yes No			
□ Slope		√ Grav		,	hoon		□ √ в	oring	Log Da	ta
☐ Hill-top	'		y (hard)		tlement				st Repo	
□ Basin	1.		y (soft)		ıdslide			-	cal Ma	
□ Valley	√ Sandy			□ Ear	thquake					culation
Ground Water Tal	ble: m (Well / Ra	in-/Dry-	Season)	Oth	ners ()	□ √ S1	ructu	ral Drav	wing
Altitude		M	,		lephone :	Lines	Max. Size			
Land area	522	m²				ines			0t / mo	
3.2 Buildin	g Conditions		,		3 3 Po	wer Soi				
	ructions	Supplier	LEYEC	ОП	E/		Existing l	Dowar	Condi	tions
Num. of story	One Storey	Voltage	220			VA V	Good Bad	UWCI	Condi	HOUS
Structure	Concrete	Phase	3 Pha		· · · · · · · · · · · · · · · · · · ·	1/23 4	√ □ Po	wer Si	upply S	vstem
Roof Material	G.I. Sheets	Wire	3 Wi						ns of E	
Ceiling Mat.	Plywood	kVA	3 ,112				7		ns of A	
Wall Material	CHB		ality of Co	mmere	cial Sour	'ce	Capacity			
Wall finish	Plaster/Adobe	Fluctuation		-5 V	±		Day tank	02 244	N/A I	
Flooring Mat.	Vinyl/Plain Cement			r per da			Main tank		N/A k	
Water Leakage	Yes (some portions)					3 Times	egy (Ag)			
		Total inter				3 Hours	E/G St	and-b	v Syste	
Operation room	$3.5 \times 4.8 = 16.8 \text{sq.m.}$				-	2 Hours		e Syst		
E/G room	None		1					Syster		
	on / Ventilation of	Equipm	ent Roo	m	- I		********			
Yes No	OIL / V CALLAMETOR OF	Lquiph	icare 1200	ARA						
□ √ Air Co	ndition Unit:	Тур	ıe,	Са	pacity:					
□ √ Exhau		Тур			pacity:					
	on of Existing Syst				ipavity.					
Yes No	M Of Existing Bysi	CIII								
	a (Masta) Thurs	Ctoo		YY-3	albe (ma)					
	s (Masts) Type:	Star			ight (m):		Dinastian	CE	NIII	
V L Anten	na Type:HF Dipole		ze;		eight (m)		Direction		IN W	
	Type: VHF Whip Type:	Size:		ht (m):		Direc	tion: All dire	cuon		
		Size:		<u>ht (m):</u> ht (m):		Direc				
√ □ Ground		51ZC.								
	ding system		√ √			ing syster		-		
	Cable Way				City Wa	ater suppl	y			
	Site and Equipme	nt Koom								
Yes No			Yes	No						
	t Entrance Door		√			t Window				
	ed Window		√			y Patrol c				
√ □ Securi	ty Fence		√		Securit	y Patrol c	n Equipmen	t Roo	m	

ARY (OF PCG S		V	SITE			1
The porti	e area of responsib ion of Eastern San	oility of CGS- mar (from Ba	Tacloban covers the sey to Llorente), Ta	e whole of I cloban City	Biliran Sub	-Province, to	going south
perfo 1. C 2. A 3. Pe 4. G 5. FI 6. C	orm their function ommunication Equirconditioning Undermanent Coast Greenerator Set loating assets and omputer Units	ns are the follo quipment nits cuard Station mobility equi	owing: Building ipment				
Brgy 10.0 the F the a	y. San Jose of Tacl kilometers away t Philippine Navy, tl administrative juri	loban City wh from the Port he same bein isdiction of th	hich is a stones thro t of Tacloban. The b g previously under i ne DOTC. The CGS	w away from uilding occurring its comman -Tacloban l	m the Tack cupied by C nd prior to b has an outp	oban Airpor GS-Tacloba being transfe	t. It is about in belongs to erred under
4. OPER/	ATION AND I	MAINTEN	ANCE	5. PER	SONNE	L FORM	ATIONS
Actie	ons taken in equi	pment failur	e				1
v Ro Co	epair by local technician	n otherwise equip	oment is send to HCGD-	Chief	History construction of the state of the sta	1	(40,000)
ijor failure Ed		nit/ receive messa	iges; No signal	Operator	(skilled)	1	1 ()
						· · · · · · · · · · · · · · · · · · ·	()
	damages			**************************************			
infall	THOUSE, Bridge and Local Designation of the Control		# H-14-17-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	***************************************	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLU	The state of the s	
	THE MAIN OF THE PERSON NAMED OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER.			Tota	al	2	
	The state of the s		Air pollution				
	" -4" all and TT			<u> </u>			
Inst							I
	***************************************		COLUMN TO SELECT SERVICE SERVI		Class	Location Pe	riod Trainee
a east Itaal					176		
	The second secon				Marin		
	The state of the s			A CHARLES MANAGEMENT OF THE PARTY OF THE PAR			Marian Marian of the Section of the section in the section of the
		**************************************					Patricular
·					P. H. N.		
				<u> </u>			
T		6. (COMMENTS				
~	- 1	 					
1. Repla headque detacht 2. Install 3. Provid 4. Increa persor 5. Provis 6. Creati electro 7. Provis day.	narter contact (HF ments and station lation of appropriate operation room use the number of sinnel) for an efficiention of fast movinion of a communication.	ded HF and equipment) a to vessel con ate antennae a with air-conskilled operatent 24 hrs com ag spare parts cations maint	as well as for direct atact under its area of mounted on self — siditioning unit and cotor and provide train amunications equipment (fuses, diods, transferance repair group)	contact from of responsibility apporting to computer for ning to personant operations, I.C.s. of at the Cel-	m station to pility (VHF type structure or the typing sonnel (esp tion service s, etc.). bu district he supply twen	o coast guard equipment). ure/ pole, g of message pecially the re- neadquarter	d . es. non-rated with rated
	The portion of N Amore performance of N Amore performance of N Amore performance of N It is Brgy 10.0 the F the a Tacle of N Action of N Records of Infall of Operator of Technician of Operator of Technician of Technician of Operator of Technician of Technician of Operator of Technician of Technician of Technician of Operator of Technician of Technician of Operator of Technician of Technician of Operator of Operator of Technician of Operator of Operat	The area of responsib portion of Eastern San of Northern Leyte and Among the urgent nee perform their function 1. Communication Eq. 2. Airconditioning Un 3. Permanent Coast G 4. Generator Set 5. Floating assets and 6. Computer Units It is to be noted that the Brgy. San Jose of Tacl 10.0 kilometers away the Philippine Navy, the administrative juri Tacloban being manner of the Actions taken in equitation Repair by local technician Cebu for repair Generator Sequence of damages Infall Institutional and Hum Institutional and Hum Institutional Ins	The area of responsibility of CGS-portion of Eastern Samar (from Ba of Northern Leyte and from Taclob Among the urgent needs voiced ou perform their functions are the folk 1. Communication Equipment 2. Airconditioning Units 3. Permanent Coast Guard Station 4. Generator Set 5. Floating assets and mobility equ 6. Computer Units It is to be noted that the location of Brgy. San Jose of Tacloban City wil 10.0 kilometers away from the Port the Philippine Navy, the same bein the administrative jurisdiction of the Tacloban being manned on a 24 ho 4. OPERATION AND MAINTEN Actions taken in equipment failur Repair by local technician otherwise equipment of failure Equipment cannot transmit/receive messances None Records of damages Environ Good Bad G	portion of Eastern Samar (from Basey to Llorente), Ta of Northern Leyte and from Tacloban City to the muni Among the urgent needs voiced out by CGS-Tacloban perform their functions are the following: 1. Communication Equipment 2. Airconditioning Units 3. Permanent Coast Guard Station Building 4. Generator Set 5. Floating assets and mobility equipment 6. Computer Units It is to be noted that the location of the present coast granger Brgy. San Jose of Tacloban City which is a stones thro 10.0 kilometers away from the Port of Tacloban. The back the Philippine Navy, the same being previously under the administrative jurisdiction of the DOTC. The CGS Tacloban being manned on a 24 hour basis for clearing the administrative jurisdiction of the DOTC. The CGS Tacloban being manned on a 24 hour basis for clearing the administrative jurisdiction of the DOTC. The CGS Tacloban being manned on a 24 hour basis for clearing the properties of	The area of responsibility of CGS-Tacloban covers the whole of I portion of Eastern Samar (from Basey to Llorente), Tacloban City of Northern Leyte and from Tacloban City to the municipality of Northern Leyte and from Tacloban City to the municipality of Among the urgent needs voiced out by CGS-Tacloban to enable the perform their functions are the following: 1. Communication Equipment 2. Airconditioning Units 3. Permanent Coast Guard Station Building 4. Generator Set 5. Floating assets and mobility equipment 6. Computer Units It is to be noted that the location of the present coast guard station Brgy. San Jose of Tacloban City which is a stones throw away fro 10.0 kilometers away from the Port of Tacloban. The building oct the Philippine Navy, the same being previously under its comman the administrative jurisdiction of the DOTC. The CGS-Tacloban Tacloban being manned on a 24 hour basis for clearing of carge of the Philippine Navy, the same being previously under its comman the administrative jurisdiction of the DOTC. The CGS-Tacloban Tacloban being manned on a 24 hour basis for clearing of carge of the Philippine Navy, the same being previously under its comman the administrative jurisdiction of the DOTC. The CGS-Tacloban Tacloban being manned on a 24 hour basis for clearing of carge of the philippine to the prepair of the philippine to the prepair of the philippine to th	The area of responsibility of CGS-Tacloban covers the whole of Bilitan Sub portion of Eastern Samar (from Basey to Llorente), Tacloban City to the tow of Northern Leyte and from Tacloban City to the municipality of Calubian of Northern Leyte and from Tacloban City to the municipality of Calubian of Northern Leyte and from Tacloban City to the municipality of Calubian of Northern Leyte and from Tacloban City to the municipality of Calubian of Northern Leyte and from Tacloban City to the municipality of Calubian of Northern Leyte and from Tacloban City to the Indiana Statuses and mobility equipment 2. Airconditioning Units 3. Permanent Coast Guard Station Building 4. Generator Set 5. Floating assets and mobility equipment 6. Computer Units It is to be noted that the location of the present coast guard station is inside a Brgy. San Jose of Tacloban City which is a stones throw away from the Tacloban City which is a stones throw away from	The area of responsibility of CGS-Tacloban covers the whole of Biliran Sub-Province, portion of Eastern Samar (from Basey to Llorente), Tacloban City to the town of Abuyog of Northern Leyte and from Tacloban City to the municipality of Calubian of Northwest Among the urgent needs voiced out by CGS-Tacloban to enable them to properly and eff perform their functions are the following: 1. Communication Equipment 2. Airconditioning Units 3. Permanent Coast Guard Station Building 4. Generator Set 5. Floating assets and mobility equipment 6. Computer Units It is to be noted that the location of the present coast guard station is inside a military co Bryg. San Jose of Tacloban City which is a stones throw away from the Tacloban Airport 10.0 kilometers away from the Port of Tacloban. The building occupied by CGS-Tacloba the Philippine Navy, the same being previously under its command prior to being transfe the administrative jurisdiction of the DOTC. The CGS-Tacloban has an outpost at the Port Tacloban being manned on a 24 hour basis for clearing of cargo vessels. 4. OPERATION AND MAINTENANCE Action staken in equipment failure Action staken in equipment failure Repair by local isolatician otherwise equipment is send to HCGD-Chief 1. Cabe for repair Action staken in equipment failure Cabe for repair None Beautry by CGS-Tacloban being manned on a 24 hour basis for clearing of cargo vessels. 4. OPERATION AND MAINTENANCE S. PERSONNEL FORM Actions taken in equipment failure Cabe for repair Secords of damages None Beautry by Label isolatician otherwise equipment is send to HCGD-Chief 1. Training Record 2. Jair pollution 3. Administrator 1. Sufficient [] Reasonable \(\text{ Not enough} \) Operator (skilled) Records of damages 1. Provide of Benough Reasonable \(\text{ Not enough} \) Operator (skilled) 1. Replacement of outmoded HF and VHF equipment in order to attain direct station to Ce headquarter contact (HF equipment) as well as for direct contact from station to coast guard detachment

SUMMARX	OF PCG ST	ATIO	N		SIT		CGS CATE		
		71110	11		CL.	ASS		NC).
1. LOCATION			T			1			
Station	Address		Tel.		Fax		ongitude	<u> </u>	Latitude
CGS-Catbalogan	Pier 2, Allen Ave. Catba	logan	None	İ	None	124°	52′ 24″ E	11	° 46′ 48″
2. GENERAL	CONDITIONS								
	from Manila	Site Acc	ess from Por		Road Traff		Accommoda	tion	Population
By to Tacloban Plane	[Taking time: 1.0 hr	1		□ Не	<u> </u>		√Hotel		
By to Catbaloga Car	II [Taking time: 2.5 hr	.] √ Paved		□ M	edium		√ Motel		
By to	[Taking time: hr	Unpa	ved road	<u>√</u> Lig	tht		√Pension		
Airport Name :		port Nam			one				
Catbalogan Airport	Catba	llogan Por	t						
	3. CONDITIO	NS OF S	STATION	[Refer	to at	tached drawi
3.1 Site Conditi	ions								
Topography	Nature	of Soil		Past	disaster of s	ite	Existing B	aildin	g/Tower Data
√ Flat	33 17 2011	□ Lime	estone [] Floo	d		Yes No		
□ Slope	 	√ Grav		Typl					Log Data
□ Hill-top	,		y (hard)		lement				st Report
☐ Basin	<u> </u>	□ Rock	y (soft)		dslide				ical Map
□ Valley	□ Sandy				hquake				ral Calculati
Ground Water Ta	ble: m (Well / Ra	in-/Dry-	Season)	Othe ()				ral Drawing
Altitude		<u>M</u>			phone Lin				sable Vehic
Land area	738.00	m²			one Line			6t /	10t / <u>more</u>
	g Conditions				3.3 Powe	r Soı			
· · · · · · · · · · · · · · · · · · ·	ructions	Supplier	SAMELO	20	E/G			owe	r Conditions
Num, of story	One Storey	Voltage	220 V		None V		Good Bad		
Structure	Concrete	Phase	3 Phase						upply Syster
Roof Material	G.I. Sheets	Wire	3 Wire						ons of E/G
Ceiling Mat.	Plywood	kVA	olita of Con		ial Carrusa				ons of AVR el for engine
Wall Material Wall finish	CHB Plaster/Paint	Fluctuatio	ality of Cor	nmerci V		•		or ru	N/A Liter
			ty of power				Day tank Main tank		N/A Liter
Flooring Mat. Water Leakage	Vinyl/Plain Cement Yes		erruption /m			Times			IVA KLIK
	Area (m²)		rpt. hours /r			lours		and_l	y System
Operation room	1.4 m x 3.0 m =		rpt. hours at			lours	☐ Singl		
Operation room	4.2sq.m.	IVIAX. IIIC	ipt. nouis a	Once		iouis		0 133	
E / G room	None						□ Dual	Syste	m
3.4 Air Conditi	on / Ventilation of	f Equipn	nent Rooi	n					
	ondition Unit:	Туј	ne:	Car	pacity:				
	ist Fan Unit:	<u></u>			pacity:				
			ус.	Cap	pacity.				
Yes No	on of Existing Syst	tem							
	m (Magta) Trans	C+o	200	Uoid	aht (m):			·	
☐ ☐ √ Tower	rs (Masts) Type: .na Type: S	ize:	nce: Heigl	 it (m):	ght (m): 10 0	Direc	tion: E-W		
, - Anten		ize:		nt (m):		Direc			
		ize:		nt (m):		Direc		-	
		lize:		nt (m):		Direc			
√ □ Groun	iding system	ndd V 1	√ √		Lightning				
· · · · · · · · · · · · · · · · · · ·	r Coble Wey		٦/		City water				

SUMM	ARY	OF	PCG ST.	ATI	ON					SITE		CGS C			N	
										CLA	SS			NO.		
Yes No	ty 01 8	ite and	l Equipmen	t K 00	m	Yes	1	No								
, ,	Locka	Entranc	e Door			√			Loc	k at Wir	dow					
		d Windo						-		rity Pati		Site				
⊢		y Fence	**			一一		Ì		rity Pati			nent R	nom		
Remark			of responsibili	ty of C	GS-C	 latbal	ogan e	ext							ar	
			the provinces of													ortior
			of Eastern Sar iction of CGS-			mun	icipali	ty :	of LL	orente to	the	municij	pality o	of Base	y is u	ınder
			-Catbalogan st and proper per										g items	to ensi	ire tl	ne
			unication Equi	pment												
		. Genera														
		. Compu . Floatin	ter Units													
			y Vehicle													
			ng of existing p	ersonn	ıel											
	7	. Additio	nal/compleme	ent pers	onne	l in p	articul	ar	maint	tenance	techr	nicians				
4	l. OPI	CRATIC	ON AND M	AINT	EN.	ANC	Œ			5. PE	RSO	ONNE	L FO	RMA	TIC	NS
	Æ	etions ta	aken in equip	ment f	ailur	е					H-H00- H			A		
Restoration flow	7		by local technology HCGD- Cebu			vise e	quipm	ent	t is	Chief				1		
Examples of ma	-	Equipi signal	ment cannot tr	ansmit	rece/	ive m	essage	s;	No	Operato	or (sk	illed)				()
Sufficiency of sp		None										(skilled)				()
		of dam	ages		ironı Bad	nenta	d Con	dit	ions	Admin	istrat	or		1		
☐ Heavy rai ☐ Storm	ntall	deed van eel val e bis estatus ekto massa kii e bi	l mar en a ritalmente la conditionem commerce, volumentia hi situente mer	G0011		Exto	rnal no			То	+ 0.1			2		
☐ Lightning	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						ollutio	*********		10	ıaı.				element de cuerbil i vi l'ho	
☐ Other cal					<u> </u>	<u> </u>										
		Institutio	onal and Hum	an Sta	tuses							Traini				
1 Budget			☐ Sufficient	Ī			√ Insu			Cours	e ¨	Class	Locati	on Peri	od Ti	raince
2 Spares			□ Enough	□ Rea			√ Not						ļ			
3 Measurin			□ Enough	□ Rea			√ Not	****						uncidendes bestehet od		ин-нан-намена ч
4 Number of Number of			☐ Enough ☐ Enough	□ Rea	-	-	√ Not √ Not			~					_	
6 Capabilit						-	V Not					n (14 (26 (26 (14 (27 (27 (17) 26 (19 (19 (19 (19 (19 (19 (19 (19 (19 (19				
7 Capabilit	·		□ Skilled			-	√ Not		Managed Parkets	abeld and a state a Habita black the state of the state o		- HANNER HONDON	1	<u> </u>		
													<u> </u>			
Suggestion	T				b. C	UNI	MEN	1 T	3							
Suggestion	Comm	ents/Reco	mmendations													
			f HF (to replace	e existin	ıg whi	ch is c	outmod	ed)	and V	VHF equi	pmen	t in order	to atta	in direc	t stati	on to
			ct headquarter c											coast g	uard	
			s and station to of appropriate a													
			e of operations:											uter for	the ty	yping
L .		messages														
Remarks			lled operator an					nne	el (esp	pecially t	he no	n-rated po	ersonne	el) for ar	effic	ient
			nunications equi f fast moving sp					unsi	istors.	I.C.s. etc	:.).					
	6. C	reation of	a communication									headquar	ter wit	h rated o	electr	onic
		chnician.	f standbar					., v '	٠	aviae are-	14.4	ante form	houses (71 her \	n da-	,
			f standby gene efax machine as											∠4 IIIS.)	a uay	'-
			ilapidated portio													

SUMMARY	OF PCG ST	ATIO	N		SIT		CGS ZAN		 	
1. LOCATION					JCL.	ASS		N	J.	
Station	Address		Tel.		Fax	ι	ongitude		Latitude	
	orquera Street, Port Are	a,	(062) 991	8293	(062)	122°	04' 32"	E 06		
Z	amboanga City		<u> </u>		9926644	•				
2. GENERAL C	CONDITIONS									
	rom Manila		ess from Po	_	Road Traffi	<u>.c</u>	Accommo	lation	Population	
By to Plane Zamboanga A/I	[Taking time: P 1hr. & 30 min.]	□ High			leavy		√ Hotel		- LUBERTA ANGLES	
By to Car CGS-Zamboan	-	√ Paved			edium		√ Motel			
By to	[Taking time:]	□ Unpa	ved road		ight		√ Pension			
Airport Name : Zamboanga Int'l Air	-	ort Name		□ N	Ione					
<u> </u>	3. CONDITIO			N			Refe	er to at	tached drawing	
3.1 Site Condition										
Topography	Nature	of Soil		Pas	t disaster of s	ite	Existing 1	Buildin	g/Tower Data	
√ Flat	□ Dry soil	□ Lime	estone	□ Flo	od		Yes No			
□ Slope	□ Ordinary	□ Grav			ohoon				Log Data	
□ Hill-top	4		cy (hard)		tlement				est Report	
□ Basin	- Cany	□ Rock	ty (soft)		ndslide	. 			rical Map	
□ Valley	√ Sandy	(75)	0		rthquake				ral Calculation	
Ground Water Tab	ole: m (Well / Ra		Season)		ners (lephone Lin)			iral Drawing ssable Vehicle	
Altitude Land area	1,123			16	2 Line					
	· · · · · ·	u.	•		3.3 Powe		2t / 4t / 6t / 10t / moi			
· · · · · · · · · · · · · · · · · · ·	g Conditions ructions	Supplier	Zamboa	700	E/G	1 301		Down	r Conditions	
Constr	uctions	oubbitet	City Ele	ctric	(Gen. Se	t)	Existing	LOWC	Conditions	
			Соорега				<u> </u>			
	One	Voltage	220			IA.	Good Bad		1 1 5 /	
Structure	Concrete	Phase		2		[A			Supply System	
		Wire kVA	1	2		IA IA			ons of E/G ons of AVR	
Ceiling Mat. Wall Material	Plywood Conc.Hollow Blocks		ality of Co	mmar	cial Source	A		•	el for engine	
Wall finish	was recently the services and recently the large of the services the s	Fluctuation		minici	V ± 5%		Day tank	y 01 10	NA Liter	
Flooring Mat.	Cement/Wood		ty of powe	r per d			Main tank		NA Liters	
	None		erruption /			Times				
	rea (m²)	Total inte	rpt. hours	month/	11	Iours	E/G S	stand-	by System	
	$4.7^{\rm m}$ x $3.7^{\rm m}$) 17.3 m ²	Max. inte	rpt. hours	at once	24 I	Iours		gle Sys		
	None		. ~~				□ Dua	1 Syste	em	
Yes No	on / Ventilation of	Equipn	nent Roc	m		<u> </u>				
√ □ Air Co		Ty	pe:Window		Caj	oacity				
√ □ Exhaus	st Fan Unit: None		Туре	:N/A			Capacity:	N/A		
	n of Existing Syst	em								
Yes No										
	s (Masts) Type:		nce:		ight (m):					
√ □ Antenn		ize:		ght (m)		Direc		<u> </u>		
VHF		ize:			: 15.0 m.		ection: All			
HF		ize: ize:		ght (m) ght (m)	: 10.0 m.	Direc		u-201	th Direction	
										
I √ □ Ground	ling system (for radio	oniv		- 1√	Lightning:	System	1			

ARV O	F PCC STA	TI	ΩN	Ī				SITE	CGS Z			
								CLASS		NC).	
y of Site a	ınd Equipment	Roo	M)									
				- i								
	· · · · · · · · · · · · · · · · · · ·											
		- 4 1 1 4	d . 5	√								
18	here is an existing NAM ench mark was established the station. The size of the operation of Zamboanga station of peration daily, the water supply provide er interview conducted, reamboanga Post Office, the Oam. The signal is weak other causes of interruptions of the VHF whip antennae in the main building. The Her operation is limited.	RIA Beed by NA adio roo does not d by the adio con lational e Philipp for the roo n are: (lipment s connec F dipole The pre	meh Ma AMRIA om is a have s Zamb nmuni Burea oine Po est of 1 1) poor due to oted at antem sent co	ark No A in 19 dequat tandby coanga cations u of In ort Autithe day r quality the ab the tip nae is a	2.2 located 290 and is a c. It is low generated City Wars interrupt vestigation thority (P. 7. ty equipm seence of of the 15 also communication to the 15 also co	d at t s unc catecor set ter D tions on (N PA), nent, ight is m. 1	the right p disturbed. d in the n t to ensure District is s s/ interfer VBI), Nat is freque (2) heave ming arrechigh 3" d d to the V	post of the main building continuous potable for a rences from ional Telecont. HF equipy rains, (3) ster. ianneter G.I. THF antenna	main gate entr mark showed g which is m s twenty four drinking. other nearby ommunicatio oment has cle low clouds, (pole which i e pole at 7m	ance of CG: I the coordin ade of concr hours comm radio users n Commissi ear signal on 4) strong w is mounted of the ight.	S-Zam nates an et mate nunicat such a on (NT ly from inds, an on top o	boanga. The delevation erials. cions s the CO, Bureau a 6am to ad, (5) of the roof of
					JE		5	5. PERS	SONNE	LFOR	VLA'J	ITONS
Seel Oth HC	k assistance of private te erwise equipment is send GD Zbga would seek ass	chnician to Zam istance	in the boang of nava	localit a headd al techr	quarters f		ераіг.	hief		1		# 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1
					signal			perator (s	killed)	1		()
ares No	spares	raumararrerrerre	d.n.m.m.m.m.m	diministrar mouran	117913119119119119191		The second section of the second				e	()
		Env	ironı	nent	al Con	diti			remail at the second se	Non	ie	
nfall		Good	Bad						halibraria-arrandirarrarrarrarrarrar			4.4888PH4H.44-4-4-4-4-44-44-44-4
		│ □					s	Total		2		
·····		<u> </u>		Аіг ј	pollutio	n						armeneni baraman kin sandar Healerle
	.1 1 1 1 1								ee			
Instit								Course		T		
		**************************************			Hartista-16 at 14 (14 mm 1814) 48 m2							
a east /tools	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		rardrham misha	~~~~==#+b++ф=								
TG.,		************			#	***********					5r	
										annon munum modellik	-4-14-494	
	H412545444444444444444444444444444444444				marrier website Methods	4 *** I ## M * M * P	Martin Branches Preserva					THE RESERVE TO SERVE THE PERSON
of Technici	an 🗆 Skilled	□ Not	so b	ad	√ Non	е					emperatura.	
				'OM	(M/TrN	rrc	3		· · ·			
I		'	o. C	ر ۷ پر ۲۰۰۰	FTATTET	L	<u> </u>					
from star direct confired to direct confired to direct confired to line and direct con	tion to headquarters as we ontact from Zamboanga sontact from the station (sloon of appropriate antenn n of standby power gener the number of skilled op- ications equipment opera- n of fast moving spare pa- of a communications ma- ightning arrester to preven	rell as frictation to nore) to ae mour ator to e erator au tion ser arts (mice aintenan	om Zau its van vessels ited on insure in ind provice. cophor ce repa age to i	mboan rious d (both self-s uninter vide tra nes,fus air grou the con	ga station letachmer foreign a upporting rupted po- nining to p es, batter up at the mmunicat	n to conts and log policy person ies, control Zam	other coas nd auxilia ocal) trans le to incre supply 2 onnel (esp diods, tran boanga de equipme	st guard stat ary voluntee siting the ar- ase present 1 4 hrs. a day pecially the nsistors, I.C. district head- nt.	ions. In the cors within the ear of respons height of anternormal per section, and the contracted per section, etc.).	ase of VHF area of resp ibility. ennae. rsonnel) for rated electro	equipm onsibil an effic nic tech	nent, to allov ity as well as sient 24hrs hmician.
	Lock at Entr Latticed Win Security Fen 1. C 1. C 2. T 3. P 4. T 5. P 4. T 7. V 6. T 7. V 6. T 7. V 6. T Action Seel Oth HC equior failure Equior failure Equior failure ares No Records of d Instit In	Lock at Entrance Door Latticed Window (see remarks) 1. CGS- Zamboanga is locat There is an existing NAM bench mark was establishe of the station. 2. The size of the operation/r 3. PCG Zamboanga station of operation daily. 4. The water supply provide operation daily. 4. The water supply provide operation daily. 4. The water supply provide of Customs (BOC) and the 10am. The signal is weak Other causes of interruptic possible damage to the equal of the main building. The Howard of Customs (BOC) and the main building. The Howard of Customs (BOC) and the main building. The Howard of the main building. The Howard of the main building of the main building of the main building. The Howard of the main building of the main building of the main building of the main building. The Howard of Tailure Equipment cannot transmit/lares. COPERATION AND MAActions taken in equipment is send the Manila of failure Equipment cannot transmit/lares. No spares Records of damages Institutional and Humand Information of the main building of t	Lock at Entrance Door Latticed Window (see remarks) Security Fence (see remarks) 1. CGS-Zamboanga is located inside There is an existing NAMRIA Bet bench mark was established by No of the station. 2. The size of the operation/radio roor 3. PCG Zamboanga station does not operation daily. 4. The water supply provided by the 5. Per interview conducted, radio con Zamboanga Post Office, National of Customs (BOC) and the Philipp 10am. The signal is weak for the rother causes of interruption are: (possible damage to the equipment 6. The VHF whip antennae is connect the main building. The HF dipole 7. VHF operation is limited. The pre (3) kilometers radius clear reception of the vise equipment is send to Zam HCGD Zbga would seek assistance equipment is send to Zam HCGD Zbga would seek assistance equipment is send to Manila Headquor failure Equipment cannot transmit/receive equipment is send to Manila Headquor failure Equipment cannot transmit/receive in the second of the vise equipment is send to Manila Headquor failure Equipment cannot transmit/receive in the second of the second	Lock at Entrance Door Latticed Window (see remarks) Security Fence (see remarks) 1. CGS- Zamboanga is located inside the Zambenga is nexisting NAMRIA Bench Make bench mark was established by NAMRIA of the station. 2. The size of the operation/radio room is a 3. PCG Zamboanga station does not have a operation daily. 4. The water supply provided by the Zamboanga Post Office, National Burea of Customs (BOC) and the Philippine Polam. The signal is weak for the rest of Other causes of interruption are: (1) poop possible damage to the equipment due to 6. The VHF whip antennae is connected at the main building. The HF dipole anten 7. VHF operation is limited. The present of (3) kilometers radius clear reception. **OPERATION AND MAINTEN** **Actions taken in equipment failure** Seek assistance of private technician in the Otherwise equipment is send to Zamboang HCGD Zbga would seek assistance of nave equipment is send to Manila Headquarters. **Doronal Leadquarters** See No spares **Records of damages** Sufficient Reasona Reasona	Lock at Entrance Door	Lock at Entrance Door	Lock at Entrance Door	Lock at Entrance Door	yes No Lock at Entrance Door	y of Site and Equipment Room Yes No Lock at Entrance Door	y of Site and Equipment Room Yes No Lock at Entrance Door	y of Site and Equipment Room Yes No Lock at Entrance Door

SI	JMM	ARY	Y OF PCG ST	CATIO	N			SITE	CGS DA			
<u> </u>								CLASS	<u> </u>	NO).	
Į.	LOCA				FED. 3	-			4		T - 4*4	3 -
	Statio CGS Da ₁		Address Pulauan , Port Area, Da	nitan	Tel.		Fax None		Longitude 22'' 50"	E 08	Latite	11" N
				pitan	HOTE		None	123	22 30	15 00	30	11 11
2.			CONDITIONS		··· <u>·</u>				r .		1	
_			from Manila		ess from P		Road Ti	raffic	Accommo	dation	Popu	llation
_	Airto D		[Taking time: 1hr, 20mins				eavy		☑ Hotel			
	Seato D			rs] 🗹 Paved	ved road	<u>□</u> L	fedium		☐ Motel☑Pension			$\overline{}$
$\overline{}$	rport Na		Seaport Name		ved road				Mrension			$\overline{}$
	polog Airpo		Dapitan (Pulauan) Pe			D 17	OIIC					
			3. CONDITIO	NS OF S	STATIO	N			Ref	er to at	tached	drawing
3 1	Site C	ondit	,	-115 OX 1	<u> </u>				1			
5:1	Topogr			of Soil		Past	disaster	of site	Existing	Buildin	g/Towe	r Data
	Flat	ирму	□ Dry soil		estone	□ Flo		******	Yes No		· B· · · ·	
Ø	Slope		□ Ordinary	□ Grav			hoon			Boring	Log D	ata
	Hill-top		□ Swampy		cy (hard)		tlement			Soil Te		
	Basin		□ Clay	☑ Rock	cy (soft)	□ Lar	ndslide			Geolog	ical Ma	ар
旦	Valley		☑ Sandy				thquake					culation
		ater Ta	ible: 1 m (MLL) (Well /	Rain- / Dr	y- Season)			Pressure		Structu		*
	itude		2 m from MSL				ephone		Max. Siz			
La	nd area		Floor Area = 130 m ²	(Bldg rest	s @ sea)]	None I	ine	2t / 4	t / 6t / :	10t / m	ore
L	3.2 F		ng Conditions					wer So				
_		 	tructions	Supplier	ZANE		E/	'G	Existing	g Powe	r Cond	itions
ļ	Num. of		One storey	Voltage	220			None	Good Bad			
	Structur	е	Wood	Phase	3-Phase- Ma 2Phase-Stati		None		☑ □ Power		upply	System
	Roof Ma	aterial	G. I. sheets	Wire				None		Operation	ons of I	∃/G
	Ceiling		Plywood	kVA				None		Operation	ons of a	AVR
	Wall Ma	Mrsd - Mrsd - meritra rame >	Plywood/Wood	Qu	ality of Co	ommer	cial Sou	rce	Capacit	y of fu	of fuel for en	
	Wall fin		Plywood/Painted	Fluctuation				%	Day tank			Liter
	Flooring	g Mat.	Plywood & Coconu Lumber	Availabili	ty of powe	er per da	ny 2	4 Hours	Main tank	N	/A	k Liter
┞	Water L	eakage	@ Quarters Area	Power int	erruption /	month		2 Times				
			Area (m²)		rpt. hours			2 Hours		Stand-	by Syst	em
O	peration	room	$3.0 \times 2.0 = 6.00 \text{sq.m.}$	Max. inte	rpt. hours	at once		8 Hours	☐ Sin	gle Sys	tem	·
Ε	/ G roon	1	$1.8 \times 1.6 = 2.88 \text{sq.m}$	(during mair	nt .period)				□ Du	al Syste	m	
3,4	4 Air C	onditi	ion / Ventilation o	f Equipn	nent Roc	m						
	es No											
		Air C	ondition Unit:	Ty	pe:	Ca	pacity:					
		Exhau	ıst Fan Unit:	Ty	pe:	Ca	pacity:					
3.5	5 Confi	rmati	on of Existing Sys	tem								
7	čes No											
		Towe	rs (Masts) Type:	Dis	tance:		H€	eight (m):				
		Anter	ma Type: Wood Pole	e Size:	Hei	ght (m)	: 13,2 m	Dire	ction:			
			 	Size:		ght (m)		Direc				
				Size:		ght (m)		Direc				
<u> </u>			 	Size:		ght (m)		Direc	tion:			
			nding system thru F					m: None	1777	5_4 * *		
\vdash			r Cable Way	<u></u>		City wa	iter supp	ну: Баріб	anWater D	istrict		-
_			Site and Equipme	ent Koon		NT.						
	es No		. 77		Yes	No						
			at Entrance Door		<u> </u>			t Windov				
	<u> </u>		ed Window					ty Patrol o	on Site	ent Dec	\	

SUMMA	ARY OF	PCG ST.	ATI(ON			SITE CLASS	CGS D	APITAN				
						nitan (Bulayan) D		<u> </u>	NO).	······································		
Remark	2. Are Jose 3. Bui ban typh 4. A te rece 5. Futt	as of responsibility Dalman, indang ding is not safe a aboo) which can e aboons and low presumporary antennativing only up to a are development	ty of CG an, Leor and secu- asily be essure w with ba I km. di plans of e demol	S- Dan Posting	pita go, cau ged con pol- onl nilip	pitan (Pulauan) P in are: Dapitan Ci Salug, Liloy, Lab se it is made of li . Building rests a aditions. e is located at cer ly due to defective opine Port Author GS- Dapitan Buil	ity, Dipolog City bason, Gutalac. Ight wood mater it sea which can nter top of building e antenna; anten ity (PPA) to exp	ials (coc be subjecting capal na needs	o lumber, ect to dame ble of tran s to be upg Port of Da	plywoo ages dur smitting graded, apitan (l	d and ring g and Pulauan		
4	ODED AT	ONI ANIIN NA	A TONYOU	י זאריקורי	A TAX	CIE .	r nenco	N I N I I I I	(EOD)	A AC A PICO	ONG		
4.		ON AND M				CE	5. PERSO	ININE	LFUR	VIA I	ION2		
Restoration flow	Tech. 1	taken in equiption CGDist Cag de through telephone of	Oro com			n to repair upon	Chief	, and and the first own to the first own the	(1)				
Examples of majo		ına, power supp					Operator (ski	lled)	(2)		()		
Sufficiency of spa						make and make a a reasonable make and a second by the adoption convert	Technician (s		-		()		
	ecords of dan	aages			ıen	tal Conditions	Administrato	r	(2)	-10-11-11-11-11-11-11-11-11-11-11-11-11-			
☐ Heavy rain☐ Storm☐ Lightning	hethir annin and elderide (d) betterrore tetrada en eta ata escretario	sure in 2004	Good ☑		****	ernal noises	Total (Sta	ation)	= 5 pe	ersonne	el		
,	mity Fluctuati	ons / Power Int	er			and the first mention we can observe an about the move call the most distribute	Total	deserbies des des des de la composition della co	3 (Op	eration	only)		
	Institut	ional and Hum	an Sta	tuses				Traini	ng Recor	d			
1 Budget		☐ Sufficient	□ Rea	sonal	ole	☑ Insufficient	Course	Class	Location	Period	Trainee		
2 Spares		□ Enough	□ Rea	sonal	ole	☑ Not enough	1. Basic Trng		HDC/NSS Cavite	6 mos			
3 Measuring		☐ Enough	□ Rea			☑ Not enough		- Secretarian Marie Mari	NTC, Naval Base, Cavite	H-H-H(MassH-N)H-n-n-			
4 Number of		☐ Enough	☑ Rea			☐ Not enough	3. Quarter Master		NSC,NTC	5 mos			
5 Number of	Technician	☐ Enough	□ Rea	isonal	ole	☑ None	4.Coast Guard an		CGTC Farola	5 mos			
6 Capability	of Operator	☑ Skilled	☐ Not	so ba	ıd	□ Not capable	5. Electrician's Mate		-do-	6 mos			
7 Capability	of Technician	ı □ Skilled		so ba	ıd	☑ None	6. Quarter Master		-do-	6 mos	ļ		
							7. Commissary Steward		-do-	6 mos			
						mails and sharms and a mindal was an element with the MI Miller of Shelling II	8. Gunner's Mate		-do-	6 mos			
							9. Electronic Tech		-do-	6 mos			
			<u> </u>				10. Data Processing		-do-	6 mos			
Suggestions/ Remarks													

SUMMARY OF PCG STATION SITE CGS PAGADIAN CLASS NO.												
SUMMARY	OF PCG ST	· -		CGS PAG.								
		SS		NC).							
1. LOCATION			T		r							
Station	Address		Tel.		Fax		ongitude	1	Latitu			
CGS Pagadian	Port Area, Pagadian City	У	(062) 214	-1510	none	123°	26" 37" E	07	° 49′	08" N		
2. GENERAL	CONDITIONS											
	from Manila		ess from Po	ort :	Road Traffic	_	Accommod	ation	Popu	lation		
By Airto Pagadian	[Taking time: 1hr, 20mins				eavy		☑ Hotel					
By Seato Ozamis C		s) 🗹 Paved			fedium		□ Motel		\geq	_/_		
By Lancto Pagadian Cit	•	s] 🔲 Unpa		☑ L	<u> </u>		☑Pension		2	\leq		
Airport Name : Pa	gadian Airport Seapo	rt Name:	Pagadian P	ort 🗆 N	one							
	3. CONDITIO	NS OF S	STATIO	N		ĺ	Refer	to att	ached	drawing		
3.1 Site Conditi	ions											
Topography	Nature	of Soil		Past	disaster of sit	te	Existing B	uildin	g/Towe	r Data		
☑ Flat	☐ Dry soil	□ Lime	stone	□ Flo	od		Yes No		_			
□ Slope	☐ Ordinary	□ Grav	el	□ Тур	hoon			oring	Log Da	ata		
□ Hill-top	□ Swampy	□ Rock	y (hard)	☐ Sett	tlement			oil Te	st Repo	rt		
□ Basin		□ Rock	y (soft)		ıdslide				ical Ma	_		
□ Valley	☑ Sandy				thquake 1976					culation		
	ble: 1 m (MLL) (Well /)		- Season)		ers (Tsunami 1				ral Dra			
Altitude	1 m from MLL			Tel	ephone Line	s	Max. Size			_		
Land area	Land = 818 m ²	Reclaimed	$= 202 m^2$		1 Line		2t / 4t /	6t / 1	0t / m	re		
	g Conditions				3.3 Power	Sou	ırce					
	ructions	Supplier	ZAMSUR		E/G		Existing l	·Cond	itions			
Num. of storey	One storey	Voltage	220	V	220 V	$\overline{}$	Good Bad					
Structure	Concrete & Wood	Phase	2 & 3Phase		18 H _J			System				
Roof Material	G. I. sheets Office: Plywood; Quarters:	Wire	Single Soli	ıd	Single Solid				ns of E			
Ceiling Mat.	Sawali	kVΑ			5 kVA	A	☐ □ O ^t	ns of A	AVR			
Wall Material	Office: CHB Quarters: Plywood/Wood	Qu	ality of Co	mmer	cial Source		Capacity	of fue	ngine			
Wall finish		Fluctuatio	ns		± 5%		Day tank	5	<u> </u>	Liter		
Flooring Mat.	Quarters:Plywood Office: Vinyl / Cement	Availabili	ty of powe	r per da			Main tank	5		k Liter		
Water Leakage	Quarters: Coco Lumber @ Quarters ward room &				2 Ti	mes			•			
	store room											
	Area (m²)	Total inter					E/G St			em		
Operation room	$3.0 \times 1.7 = 5.10$ sq.m. $1.8 \times 1.6 = 2.88$ sq.m.	Max. inter	rpt. hours :	at once	4 Ho	nırs		e Syst				
E/Groom					1	-	□ Dual	Syste	m.			
Yes No	on / Ventilation of	Equipn	ient Koo	<u>m</u>								
1	1'.' TT '.					O.T. 4	.					
☐ ☑ Air Co	ondition Unit: st Fan Unit:	Тур			•	Note	e: only at cor	npute	r room)		
		Тур	<i>)</i> e.	Ca	pacity:							
Yes No	on of Existing Syst	tem										
	s (Masts) Type:		tance:	-1-4 ()	Height (A 11 .1:					
☐ ☐ Anten		ize: 2" (tion: All dir	ection				
☑ □ Groun	· · · · · · · · · · · · · · · · · · ·	adio □					tion: N-S					
	iding system thru R r Cable Way	adio 🗀			ng system: Nater supply (Pa		ion Woter D	ictrict	`			
				City Wa	icer subbit (L	agau	ian water D	ISU ICE	,			
Yes No	Site and Equipme	mi Koom	Yes	No				·····				
	ot Cotoos De				Y actual TYP	ـ له ـ						
 ✓ ☐ Lock at Entrance Door ✓ ☐ Lock at Window ✓ ☐ Security Patrol on Site 												
	ty Fence		<u> </u>	☐ Security Patrol on Equipment Room					m			
	, x =xx==				~~~~~~~~ al							

SUMMAI	DVAEI	OCC ST		SITE CGS PAGADIAN									
SUMIMA	NI OF I	CGSL	ATION		CLASS		NO	Э.					
Remarks 4. C	2. Areas	of responsibility amboanga Sibu Dlutanga, Alicia Zamboanga del Dimataling, Din Lanao del Norte una is located at eriorated, needs ble location for DN AND M	Sur – Kumalarang as, San Pablo, Du – Sultan Naga D center top of buil s replacement of b the installation of	ian are: , RT Lim, Ipil, Nago g, Lapuyan, Mago umalinao, Pagadia imaporo, Sultan I ding including liguase. Antenna has antenna pole is a	satubug, Vcenzon City, Labanga Kumander, Mala ght station of Pa been out of ord	o Sagun, m, Tuku bang gadian; r er for on infront o	Pitogo, Tran, Mola wooden be e month.	abina, ve, Tam ase/foun	dation ion Bldg.				
Restoration flow		ken in equip		(TO 11	C1 : C	H-H-rd-HaldaH-Kalealdawa	(1)						
			^t Inf. Tabak Div		Chief		(1)						
Examples of major for		JRC 187), Tra	nsmitter Indica	tor	Operator (ski	Middelitelitelitenistenini	(2)		()				
Sufficiency of spares	# 1011 0			Technician (s		none		()					
	ords of dama	iges	tal Conditions	Administrato		<u> (-) </u>		i la arrabar Hratabakishishishi s					
Heavy rainfall Good Bad 3 - Logistics (Chief and Radiomen) Good Bad 3 - Admin. Personnel (Clerk)													
Storm B. Coperation (POIC)													
☐ Lightning ☐ ☐ Air pollution Total for CGS-Pagadian = 9 personnel													
☑ Other calamity Fluctuations / Power Inter Total 3 (Operation only)													
Institutional and Human Statuses Training Record													
1 Budget		Course	Class	Location	Period	Trainee							
2 Spares		□ Enough	☐ Reasonable	☑ Not enough	l . Radioman Special. Course	Radio man	PCG Mla; NTC Naval Training Cntr	8 mos					
3 Measuring ed	qpt./tools	□ Enough	□ Reasonable	☑ Not enough	2. Human		-do-	6 mos					
4 Number of C	perator	□ Enough	☑ Reasonable	☐ Not enough	Storekeeper		-do-	6 mos					
5 Number of T	echnician	☐ Enough	□ Reasonable	☑ None	4. Engineman	advanta barina - Mariani adi adi	-do-	6 mos					
6 Capability of	Operator	☑ Skilled	☐ Not so bad	□ Not capable	Electrician's Mate		-da-	6 mos					
7 Capability of	Technician	☐ Skilled	☐ Not so bad	✓ None	6. Quarter Master		-do-	6 mos					
			**************************************	The second secon	7. Commissary Steward		-do-	6 mos					
		Walter St. West of Market Artist conservations are an advanced to the second contract of th		norraddur oad blir oad han nafnad y bladdadna bladdadd hal yddydd a blyndyn a	8. Gunner's Mate	***************************************	-do-	6 mos					
vetastrije vez emastrom mezenam i Metastikara mana a matasta man					9. Electronic Tech		-do-	6 mos					
			'-		10. Data Processing		-do-	6 mos∶					
			6. COI	MMENTS									
1. Replacement of existing antennae for the communications equipment and its dilapidated support/ foundation. Installation of appropriate antennae mounted on self-supporting type pole to increase present height of antennae which is mounted on a bamboo pole. 2. Replacement of communication equipment with latest model and provision of Icom Radio. The replacement of existing outmoded HF and VHF with good quality equipment is recommended. In the case of HF equipment, to allow 24 hrs contact from station to headquarters as well as from Pagadian station its various detachments and auxiliary volunteers within the area of responsibility as well as direct contact from the station (shore) to vessels (both foreign and local) transiting the area of responsibility. Provision of air conditioning and ventilation system. Upgrade / provide additional height of perimeter fence. Provision of facsimile machine. Increase the size of the operations room in order to accommodate the computer is needed for the preparati /encoding of communications and radio messages. Provision of fast moving spare parts (fuses, diods, transistors, I.C.s, etc.). Training of personnel was given only once before they were enlisted except for the operations chief. Provide training to personnel (especially the non-rated enlisted personnel) for an efficient 24hrs													

SUMMARY OF PCG STATION SITE CGS MAPUN CLASS NO.													
1. LOCATION		CLA	722	•	INC).							
Station	Address		Tel.		Fax	Ť	ongitude		Latitude				
	upa Pula, Port Area Mapun,	Tawi-Tawi	None		None	06°	58′ 35″	E 118					
2. GENERAL O	CONDITIONS		-						· · · · · · · · · · · · · · · · · · ·				
	rom Manila	Site Acc	ess from Po	ort F	Road Traffic		Accommo	dation	Population				
By to	Taking time:	☐ High		☐ He		_	☐ Hotel		x optimizion				
Plane Zamboanga A/P	1hr. & 30 min.]		J		,								
By to Boat Mapun Port	[Taking time: 26hrs.to 36 hrs.]	26 hrs god 36 hrs.big	od weather; waves	ΠМ	edium		☐ Motel		:				
By to Walk CGS-Mapun	[Taking time:]	√ Paved	road ess road)	√Lig	ght		√ Pensior	l					
Airport Name :		ort Name			one								
Cagayan de Tawi-T	_												
 	3. CONDITIO	NS OF S	STATIO	N		Ref	er to att	ached drawing					
3.1 Site Conditie		., 01.		~ 1									
Topography Nature of Soil Past disaster of site Existing Building/Tower Data													
√ Flat □ Dry soil □ Limestone □ Flood Yes No													
□ Slope		☐ Grav		_	hoon			Boring	Log Data				
□ Hill-top	□ Swampy -	√ Rock	y (hard)		lement				st Report				
□ Basin	□ Clay	□ Rock	y (soft)	□ Lan	dslide			Geolog	ical Map				
□ Valley	√ Sandy			□ Eart	hquake			Structu	ral Calculation				
Ground Water Tal	ble: m (Well / Ra	in- / Dry-	Season)	Othe	ers ()		Structu	ral Drawing				
Altitude	 	M		Tele	ephone Line		Max. Size	sable Vehicle					
Land area	594 1	n²		N	lone Lines		2t / <u>4t</u> / 6t / 10t / more						
3.2 Buildin	g Conditions				3.3 Power	Sou	urce						
Const	ructions	Supplier	Cagayan de Tawi Ele	etrie	E/G (Gen. Set))	Existing	Power	Conditions				
Num. of story	One	Voltage	Cooperate 220		220 \		Good Bad						
Structure	**************************************	Phase	ZZV	3		<u>. </u>	□ √ F	ower S	upply System				
Roof Material	G.I. Sheet/nipa	Wire	 	3		<u>-</u> 2	<u>_</u>		ons of E/G				
Ceiling Mat.	и минирактичести по	kVA	1.		12 KV	A			ons of AVR				
Wall Material	Bamboo/CHB		ality of Co	mmerc	ial Source		Capacit	y of fu	el for engine				
Wall finish	CHB/Bamboo	Fluctuatio	ns	٦	V ± 10 %		Day tank		Liter				
Flooring Mat.	Cement	Availabili	ty of powe	r per da	y 8 H	ours	Main tank		40 Liters				
Water Leakage	None	Power inte	erruption /	month	30 T				201 2 1 2 2				
	Area (m²)	Total inte	rpt. hours	month	480 H	ours	E/G S	Stand-k	y System				
~,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	$2.0 \times 2.0 = 4.0 \text{m}^2$	Max, inte	rpt. hours a	at once	24 H	ours		gle Syst					
E / G room (made of light materials)	1.0x 5.0 = 20 sq.m.						🗖 Dua	al Syste	m				
3.4 Air Condition	on / Ventilation of	Equipn	nent Roc	m									
Yes No													
	ndition Unit: None		pe:N/A		apacity: N/A								
□ √ Exhau			oe:N/A	C	apacity: N/A								
	on of Existing Syst	em											
Yes No													
	s (Masts) Type:		nce:		ght (m):								
√ □ Anteni		ize:		ght (m):		Direc		Din '					
VHI		ize:			10.0 m.		ection: All						
HF		Size: Height (m): 6 to 10 Size: Height (m):					ction: NE	ist-s W	est Direction				
√ □ Groun	Type: S ding system (for radio				Lightning sy								
	Cable Way	O.L.L.Y	.√		City water			ı Well `)				
† 1 CCUCI	Curio iruj	~~PP	للانفلان ية ممار										

I			.							Tax	1000	CIDIDI				
SUMMA	ARY	OF J	PCG STA	ATI	ON	ĺ				SITE CLASS	CGS M	IAPUN NO				
										CLASS		ĮΣΑΚ	<i>)</i> .	_	—	
3.6 Securit	y 01 51	te anu	Equipmen	t Koo	<u>m</u>	Yes	·····									
			D						-14	· TT!:3						
	Lock at I									t Windov						
			w (see remarks)		<u>√</u>	····			ty Patrol		t Doc				
-	Security 1.		see remarks) Mapun is located a	-+ +1so out] S	ecuri	ty Patroi	on Equip	ment Roc	m	—		
Remarks / Observation	2	The siz quarter The Ge The ger Water: The VI besides two end located The pro-	ze of the operation/ rs (EM's qtr). It is enerator room is lost enerator set frequent supply is provided HF whip antennae is the radio room. To do are both connect about 8 meters as esent condition of the food of the condition	radio roo made of made in a ntly bogga a fifteen is mount he center oted to the way from VHF equ gi Island).	om is in light na make ged down feet d ted to the end of the EM in	nadequa naterials eshift ro vn. It is a depth art he 10 m of HF dip height b M's qua tt and he	ate. It is a second at the approximatesian we had been at the second at the approximatesian we had been at the second at the sec	en floor e back nately t ell. Pota " diam- ennae is poles (o hside). VHF an	s, wall of the a twenty able dri eter ba conne one loca tennae	ls and wind administrate years old. inking wate amboo pole ected to the ated at the pecould allowers.	ows with dila cion/receiving er is purchase which is insta 10m. height l post of the ent w only five (5	pidated G.I. room. d (mineral valled at the labamboo poletrance gate a) nautical m	water) bambo le whil and the	ing). oo fer le the ne oth	ence e other her one	r e is
4.	OPEI	RATIC	ON AND M	A INT	TIN	ANC	Tr.		丁	PERS	SONNE	r ror	MA	TI	$\overline{}$	=
•••	 		iken in equipr				-112		十	/• I III.	3011112			. 4 4	O1 1.	<u> </u>
Restoration fl	low	Seek assis Otherwise HCGD Z equipmen	stance of private te e equipment is send bga would seek as nt is send to Manila	echnician d to Zam ssistance o a Headqu	in the boanga of nava arters.	locality a headqı al techni	uarters f ician oth		ir. Cl	hief	A: 14.14 (A)	1				
Examples of majo	or failure	Equipme	nt cannot transmit/	receive	messag	ges; No	signal		O	perator (skilled)	1			()
Sufficiency of											n (skilled)	Nor			()
	ecords o	<u>of dama</u>	iges			<u>nenta</u>	l Con	lition	s A	dministr	ator	Nor	ne	,		.4.11.04.11
☐ Heavy rain	ıfall			Good	ļ	ļ			_							
□ Storm							nal no	MANAGEMENT		Tota	1	2		************		
Lightning		16H+N+H1H6H-N-H1+61H1H1	. in this list of the contract		□	Air p	ollutio	n	. P. 16 - 16 - 16 - 16 - 16 - 16 - 16 - 16		l verbrock das a saladat med vari velokinde verd 460 MEP HEP HELE	************************		dmillion		
☐ Other cala		454 445 -	3 2 TT		<u> </u>	<u> </u>			+		en state	***				
1 Dudget		istitutio	nal and Hum			7	J Top grad	~= -ior	+-	702200	·	ng Recor		مار	Trois	
1 Budget					delete de desde la		·	ficien		Course	Class					
2 Spares	- cant /te	1		□ Rea	***********						zation trai ers. No rout					
3 Measuring 4 Number of				☐ Rea				M-M-M-M-M-M-MT.		no onice	TS. NO 1011	те папп	Ig or	Ders	SOILLE	Л.
4 Number of 5 Number of				□ Rea	RHIMHMANANIME	Kiri Kirini Herpi Mamer	√ Not o	and the state of t			sald on the programmed a result of the lateral part hills.					
6 Capability			☐ Enough ☐ Skilled	·	Madreer woods m + Maste	dan in	√ Not o					arabama Mututututututututu	ļ			
7 Capability				√ Not □ Not	der de Maldada Maria	Habati onera d eserti	J Not o	понявання	le .	*************	laddenn fibb refreikinde sekrinsside brann sedern renn		ļ		Metalentententent	
/ Capaonity	01 1001	Incian	□ Skilled						<u> </u>			1	<u> </u>	—		_
					<u>5. C</u>	<u>OM</u> L	MEN	TS_			<u> </u>					
Remarks / Recommend- Ations	The allow equipment of the community of	replaceme w 24 hrs of ipment, to a consibility a allation of a conditionin ease the numerication vision of fation of a colacement of reational truchment of also necessivide lightni	of outmoded HF anent of existing outmontact from station allow direct contact as well as direct contact as well as direct contact and the state of appropriate antenuabilitation of the exag unit and replace umber of skilled opens equipment opens as moving spare pommunications mof the twenty (20) a day. of unserviceable HI rade activities pass CGS-Mapun and sary to provide a 5 ing arrester to prever machine as a fast	noded HF n to heade t from M ontact from nae moun tisting sta ment of ti perator an ation serv oarts (fuse aintenanc years old F equipm sing the P also serv to kva gen- vent dama	F and Viquarter fapun s in the fapun s in the	WHF with rs as we station to station to station (in self-suputible support of the self-suputible station of the self-suputible	th good of a strong to its variation in the control of the variation in the variation i	quality on Mapuious deto vessels type structed or iter with the connection of the connection of the connection of the connection of the connections equipment on the connection of the connectio	equipment statistachments (both ructure of light the complete of light the complete of light states of light states of light states of light has barter to Sabarter to La through mer	ment is reco- ion to other ents and au- in foreign an- is/pole to inc- materials; inputer for the pecially the district head- set to ensure in view of abah, Malay trade. s. radio opent.	coast guard sixiliary volunt d local) transice as present provide adeque typing of m non-rated per quarter with a cuminterrupte fits strategic;	stations. In the teers within iting the are theight of an unite size operates ages, resonnel) for the teers are the teers of the power supportance importance.	the cast the are a of re- ntenna eration an efficient technic l	se of rea of espor ae. on roo ficien echnic	f VHF f nsibilit om wit nt 24hr cian. ry four	tty. ih rs

SUMMARY	OF PCG ST	CATIO	N		SIT		CGS JO								
1. LOCATION			- •		CL/	28 <i>E</i>		NO	J.						
Station	Address		Tel.	, 1	Fax	Т	ongitude	···	Latitud	e					
	Port Area, Jolo, Sulu Pro	vince	(085)3413 Local 22	8911	None	120°		E 06	5° 03′ 2						
2. GENERAL	CONDITIONS														
	from Manila	Site Acce	ess from Po	ort	Road Traffi	c	Accomme	odation	Popula	tion					
	A/P [Taking time: 1.5 hr.]	☐ Highy			leavy	-	☐ Hotel		- S S Paris	AUAR					
	ort [Taking time: 40 min.]	√ Paved			edium		√ Motel								
By Car to CGS- Jolo			ved road		ight		√Pension			•					
Airport Name : Jo	lo Airport Seapo	rt Name:			Ione										
	3. CONDITIO	NS OF S	STATIO	N			Refer to attached drawir								
3.1 Site Conditi		TID OT N	/1/ 111												
Topography	Nature	of Soil		Past	t disaster of s	ite	Existing	Buildin	ıg/Tower l	Data					
√ Flat			estone	□ Flo			Yes No	~ andin	-6/ XUNVI I						
□ Slope		□ Grav			ohoon			Boring	Log Data	 1					
☐ Hill-top	0.4444		y (hard)		tlement				est Report						
□ Basin			y (soft)	+	ndslide				ical Map						
□ Valley	√ Sandy			+	thquake				ral Calcu						
Ground Water Ta	ble: m (Well / Ra	nin- / Dry-	Season)	Oth	ners ()		Structu	ıral Draw	ing					
Altitude		M		Tel	lephone Lin		Max. Siz	e of Pa	ssable Ve	hicle					
Land area	660	m²			1 Lines	s	2t / 4	t/6t/.	10t / <u>mor</u>	<u>e</u>					
3.2 Buildin	g Conditions				3.3 Power	r Sou	ırce								
Const	tructions	Supplier	Sulu Elec Coopera	1	E/G		Existin	r Conditi	ions						
Num. of story	One	Voltage	220		220	$\overline{\mathbf{v}}$	Good Bad								
Structure	Concrete	Phase		2		2	□ √:	Supply Sy	stem						
Roof Material	G.I. Sheet	Wire		2		2		ons of E/C							
Ceiling Mat.	Plywood	kVA			15 KV	Ά		Operation	ons of AV	/R					
Wall Material	Conc.Hollow Blocks	_		ommer	cial Source		Capaci	ty of fu	el for eng	gine					
Wall finish	Cement/Painted	Fluctuatio			V ± 10 %		Day tank		Li	ter					
Flooring Mat.	Cement		ty of powe				Main tank	c	40 L	iters					
Water Leakage		Power inte								• • •					
	Area (m²)	Total inter					·····		by Systen	u					
	$(1.9^{\text{m}}\text{x}3.0^{\text{m}}) 5.7\text{m}^2$	Max. inter	rpt. hours	at once	24 H	lours		igle Sys							
	$(2^{m} \times 1.5^{m})$ 3 sq.m.	<u> </u>	-		<u> </u>		□ Du	al Syste	m						
	on / Ventilation of	Equipn	aent Roc	om											
Yes No			.												
· · · · · · · · · · · · · · · · · · ·	ondition Unit: None		e:N/A		Capacity: N/A										
	st Fan Unit: None		e:N/A	(Capacity: N/A	1									
	on of Existing Syst	tem													
Yes No		~			* *										
· · · · · · · · · · · · · · · · · · ·	rs (Masts) Type:		nce:		ight (m):	ъ.	_4:_								
√ □ Anten		lize:		ght (m):			ection:	1 Dia 4							
VH HD		ize: 1.20m		ght (m):			ection: Al			070					
		lize: 8.00m lize:		ght (m) ght (m)			irection: E ection:	asi-we	or Directly	O11					
√ □ Groun	ading system (for radio			giii (iii). √	Lightning s										
· · · · ·	r Cable Way	Omy)	√		City water			ainland	Water Di	istrict)					
	Site and Equipme	nt Room			only much	~pp1	.) (0010 171		,						
Yes No	erre ana Equipme	TI TANI	1 Yes	No											
	at Entrance Door				Lock at Wi	ndow	***************************************								
	ed Window (see remar	ke)	- √	<u>`</u>	Security Pa		n Site								
, , , ,	ity Fence (see remarks		- 1		Security P			ent Doc	NIII						

SITE CGS JOLO SUMMARY OF PCG STATION CLASS NO. CGS- Jolo is located inside the Jolo Port near the RoRo ramp, Lighthouse and mosque. Remarks / The size of the operation/radio room (5.7 sq.m.) is inadequate and congested. It is located adjacent the administrative and **Observations** receiving room. Presently, only the HF equipment is kept in this room. The VHF equipment is placed in one corner of the administrative/receiving room. The Generator room is located in a makeshift room adjacent the eastside fence and east exit door of the CGS-Jolo station The 15 KVA generator set frequently bogs down. It is approximately twenty years old. Although water supply is provided by the Jolo Mainland Water District, potable drinking water is purchased (mineral water). There is a proposed port expansion project by DOTC/RPMA under the ADB Intermodal Transport Development Project which is prioritized for implementation by DOTC in accordance to its Medium Term Public Investment Plan. The proposed port expansion project will include the widening of seven meters (7.00 m.) width earth road, located on the east side of the PCG-Jolo station, to ten meters width in order to accommodate a two-lane new access road to the port with sidewalks on both sides. Per survey conducted, the road widening will affect the eastside perimeter fence, generator room and about 3.00 m. width of the eastside compound. The VHF whip antennae is connected to the nine meter (9 m.) high, two inch diameter (2"00) G.I. pole. One end of the HF dipole antennae is connected to a bamboo pole mounted on top of the roof of the main building on the west end side while the other end is connected to a bamboo pole installed on top of the perimeter fence on the east side of the compound. The present condition of VHF equipment and height of VHF antennae could allow only three (3) nautical mile radius clear reception in all direction. The VHF equipment currently used by CGS-Jolo is not an organic property of the station. It is only borrowed from the spare of M/L Katrina vessel. This communication equipment can be pulled-out anytime when needed by the vessel. 4. OPERATION AND MAINTENANCE 5. PERSONNEL FORMATIONS Actions taken in equipment failure Restoration flow Seek assistance of private technician in the locality Chief 1 Otherwise equipment is send to Zamboanga headquarters for repair. HCGD Zbga would seek assistance from naval technician otherwise equipment is send to PCG Manila Headquarters. Examples of major failure Equipment cannot transmit/ receive messages; No signal Operator (skilled) Sufficiency of spares | No spares Technician (skilled) None Records of damages **Environmental Conditions** Administrator 2 clerks Heavy rainfall Good Bad ⊐ Storm External noises Total 5 Lightning ☐ Air pollution ☐ Other calamity Institutional and Human Statuses Training Record ☐ Sufficient ☐ Reasonable | √ Insufficient 1 Budget Course Class Location Period Trainee 2 Spares □ Enough ☐ Reasonable V Not enough No specialization training for the rating of radio officers. No routine training of personnel. 3 Measuring eqpt./tools □ Enough 4 Number of Operator □ Enough √ Reasonable □ Not enough 5 Number of Technician □ Enough ☐ Reasonable | √ None 6 Capability of Operator ☐ Skilled √ Not so bad □ Not capable ☐ Skilled ☐ Not so bad None 7 Capability of Technician 6. COMMENTS Replacement of unserviceable/outmoded HF and VHF equipment to attain clear signal 24 hrs a day. The replacement of existing outmoded HF and VHF with good quality equipment is recommended. In the case of HF equipment, to allow 24 hrs contact from station to headquarters as well as from Jolo station to other coast guard stations. In the case of VHF equipment, to allow direct contact from Jolo station to its various detachments and auxiliary volunteers within the area of responsibility as well as direct contact from the station (shore) to vessels (both foreign and local) transiting the area of responsibility. Installation of appropriate antennae mounted on self-supporting type structure/ pole to increase present height of antennae which is Rehabilitation of dilapidated roof and ceiling of the existing CGS-Jolo Building to arrest water leakages (especially at the quarters and administrative/receiving area). Also, replacement of the electrical wiring system affected by the leak. Subsequently, the conversion of the existing 44.5 sq.m. quarters (located in the main building adjacent the admin room and presently not utilized due to Remarks / leakages at the ceiling) to operations room; provision of an air-conditioning unit in said room and replacement of the 15 year old Recommendtypewriter with computer for the typing of messages. ations Increase the number of skilled operators and provide training to personnel (especially the non-rated personnel) for an efficient 24hrs communications equipment operation service. Provision of fast moving spare parts (fuses, diods, transistors, I.C.s, etc.). Creation of a maintenance repair group at Zamboanga Headquarter with rated electronic technician. Replacement of the existing twenty (20) years old and unreliable 15 KVA generator set to ensure uninterrupted power supply twenty

Provision of lightning arrester to prevent damage to the communications equipment. Provide telefax machine as a fast and alternative means of transmitting communications.

Due to frequent and considerable voltage fluctuation, the provision of a step-up transformer and AVS has been requested.

four hours (24 hrs.) a day.

8.

CIT	TRARATOR	V OF DOC ST		N			SITE	CGS	BON	GAO		
<u> </u>	JIVIIVIAK Y	Y OF PCG ST	AHU	<u> </u>			CLASS			NC),	
1.	LOCATION											
	Station	Address		Tel.		Fax	-	_ongit			Latitu	
ı	CGS-Bongao	Port Area, Parola Site Bonga	o, Tawi-Tawi	None		None	119°	46′	27″ E	05	° 02′	09" N
2.	GENERAL	CONDITIONS										
		from Manila		ess from Por		oad T	raffic	<u> </u>	mmoda	ation	Popu	ılation
<u> </u>		A/P [Taking time: 1.5 hr.]	☐ Highy		□ He			√ Hot				
<u> </u>	 	oort [Taking time: 1.16 hr.]	√ Paveo		√ Me			√ Mo				
_	Car to CGS-Bongao	 	ı. 🗆 Unpa	ved road	☐ Lig			√ Pen	sion			
	rport Name: Cag aport Name: Ma	gayan de Tawi-Tawi Airstrip			□ No	ne		•				
Dea	aport ivame, wa		NO OE C	TATION	.T				Dofor	to att	nobod	drawing
2 1	. C	3. CONDITIO	NS OF S	SIATION	٧				Kelei	to au	acneu	urawing
ر.ن	Site Conditi		-£ C -21		Doct /	licactor	of site	Dv:	sting D	uildin.	r/Torus	n Doto
J	Topography Flat	Nature ☐ Dry soil		estone [☐ Floor		or site	Yes	sting B	umum;	3/ 1 OWC	r Data
	Slope		□ Grav		□ Typh			1		oring	Log D	ata
	Hill-top			y (hard)		ement					st Repo	
	Basin			y (soft)	□ Land	Islide					cal Ma	
	Valley	√ Sandy			□ Eartl	nquake			√ S1	tructu	ral Cal	culation
	ound Water Ta	ble: m (Well / Ra	ain-/Dry-	Season)	Othe)				ral Dra	
Alı	titude	<u> </u>	M			phone		_				Vehicle
La	nd area	563	m²				ines		2t / <u>4t</u> /	/ 6t / 1	0t / m	ore
_		ng Conditions					wer Sou					
	Cons	tructions	Supplier	Tawi-Ta Electric	1	E/		Ex	isting l	Power	Cond	litions
				Cooperat		(Gen	. Set)					
一	Num. of story	One	Voltage	220			220 V	Good	Bad			
	Structure	Concrete	Phase		2		2		√ Po	wer S	upply a	System
	Roof Material	G.I. Sheet	Wire		2		2				ns of I	
	Ceiling Mat.	Plywood/painted	kVA	<u> </u>			KVA		AVR_			
ļ	Wall Material	Conc.Hollow Blocks		ality of Cor					pacity			
	Wall finish	Cement/painted	Fluctuatio				0 % ~/~~	_		* t		Liter
	Flooring Mat. Water Leakage	Cement None		ty of power erruption /n			8 Hours 0 Times		тапк		40	Liters
┢		Area (m²)		rpt. hours /1		-	80 Hours		E/G St	and-h	v Svst	em
0		$(2.3^{\text{m}}\text{x}3.1^{\text{m}}) 7.13\text{m}^2$		rpt. hours at		 	12 Hours	1		le Syst		
*******		$(1.5 \times 2.5^{m}) 3.75 \text{ sq.m.}$		<u>, </u>		1				Syste		
3.4		ion / Ventilation of		nent Rooi	m							
_	es No											
	□ √ Air C	ondition Unit: None	Тур	e:N/A	Ca	pacity:	N/A					
	□ √ Exhau	ıst Fan Unit: None	Туг	oe;N/A	Ca	pacity:	N/A					
		on of Existing Sys	tem									
	Yes No											
	· · · · · · · · · · · · · · · · · · ·	rs (Masts) Type:		nce:		tht (m)						
<u> </u>	√ □ Anten	. * *	Size:	····	ht (m):	165	Direc		. A 11 TO			
_	VH H		size: Size:		ht (m): ht (m):				: All D : East-			OTI
H			Size:		ht (m):	15.0 111	Direc	_	, J.,ast-	YY CSL 3)HCC(I	.011
	√ □ Groun	nding system (for radio			· · · · · · · · ·	Lightni	ing systen					
		r Cable Way		$\frac{}{}$			ater supp		ngao V	Vater :	Distric	:t)
3.		Site and Equipme	nt Room	1		y .		w 1 - 2)				
	Yes No			Yes	No							
	√ □ Lock	at Entrance Door			√]	Lock at	Window					
	√ □ Lattic	ed Window (see remar	ks)	√		Securi	ty Patrol (on Sit	e			
١ -	√ ∏ Secur	ity Fanca (see remarks	-1	7	П	Securi	ty Patrol (on Fa	ninmer	af Roo	m	

B 7 - 1 - 69

STIMM/	\ D	V OF	PCG STA	<u> </u>	ON			SITE	CGS B	ONGAO			
SOMM	1.	ı Or	10031	A I I	UIN			CLASS		NO.			
Remarks / Observation	ıs	2. The locat 3. The the C 4. The 5. Alth Per i whice 6. There whice expa Per s com 7. The conribuile 8. The it on 9. The	Bongao is located no size of the operation/ ted at the back of the Generator room is lo CGS-Bongao station generator set frequent ough water supply is interview conducted, the is now in the bidding is a proposed port of the is prioritized for intension project will incure in the proposed port of the pound frontage. VHF whip antennae nected to the VHF and ding which house the present condition and by has a coverage of VHF equipment curred intelligence office.	I in a & win of the twent twent to perati ect by under t its M 00 m., and the trimeter of the	separate buildindows with dilate existing lightly years old. Ity years old.	ng which is pidated G.l. ouse which with Equation of the lead of the lead of the lead of obstruction. It is station. It is pidated G.l. of the lead of	s made of light. roofing). It is about 50 r It is purchased the purchased the purchased the purchased the purchased the purchased on the roof the purchased on the roof the purchased on the roof the purchased on the purchased on the purchased on the purchased the purchased the purchased on the purchased on the purchased t	(mine man (in ment he programmae of the programmae of the ption.	eral water). GEM) Project oposed port ao station. If the is e separate . However, o Peak.				
4. OPERATION AND MAINTENANCE 5. PERSONNEL FORMATIONS													
Restoration flow		Seek a Otherv		echnician d to Zam	in the loca boanga he	adquarters for repa	air.	Chief	4.И <i>чыск</i> , некерэнэ ичичация	1		Meneralise Menerise the section (4 chester)	
Otherwise equipment is send to Zamboanga headquarters for repair. HCGD Zbga would seek assistance of naval technician otherwise equipment is send to Manila Headquarters.													
Examples of maj	or failu	re Equipr				No signal	1	Operator (sk	illed)	I	+	()	
Examples of major failure Equipment cannot transmit/ receive messages; No signal Operator (skilled) I (Sufficiency of spares No spares Technician (skilled) None (
		is of dar			Administrat		None		rumaru milanmatikuturu				
☐ Heavy rain				Good				H. MANIMAN MANIMAN MANAGEMENT OF THE PARTY O					
☐ Storm		. rh.) 16 rus rud 716 rh (144 - 16 1816 A (1807)	t was that confirme was the confirme words of a Mill the conventional about a further		D Ex	ternal noises		Total	and the second state of the second se	2		Viewicke Fred Hills Print House	
☐ Lightning		(, H-Q-4) N-Q-41			□ Ai	r pollution						THE PROPERTY OF THE PROPERTY O	
Other cala	mity					***************************************							
		Institut	ional and Hum	an Sta	tuses				Traini	ng Record			
1 Budget			☐ Sufficient	□ Rea	sonable	√ Insufficie	nt 📗	Course	Class	Location P	erio	d Trainee	
2 Spares			☐ Enough	ļ	isonable								
3 Measuring	g eqpt	/tools	☐ Enough		asonable	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	adio officer:	No rout	ine training	of p	ersonnel.	
4 Number o	f Ope	rator	☐ Enough	□ Rea	sonable	√ Not enou	gh		************				
5 Number o	f Tec	nnician	☐ Enough	□ Rea	asonable	√ Not enoug	gh						
6 Capability			☐ Skilled		t so bad	☐ Not capal	ole			Marketon Marketon Marketon Company	at-t-1-thron-at-to		
7 Capability	of T	echniciar	n □ Skilled	□ Not	t so bad	√ None							
					6. CO	MMENTS							
Remarks / Recommen d- Ations	2. 3. 4. 5. 6. 7. 8.	VHF with geneadquarter Bongao statistation (shout the should be station (shout the should be sho	nt of outmoded HF at good quality equipmers as well as from Bortion to its various detre) to vessels (both for of a tower type anter degrees area of coverage of the existing quarter) lacement of the 15 year number of skilled options equipment oper frast moving spare paracommunications must of the twenty (20) rs.) a day. It of unserviceable Hall trade activities passes survey reveals that mermodal Transport in of a two-storey build betacment of Sitangkantning arrester to prefax machine as a fast	nd VHF eart is recongae statical achments or eage. Possivers and to perator an artificial reconstruction serparts (fusional action serparts (fusional action serparts) (fusional action	equipment immended ion to other and auxil decal) traquivalent to tible location of the management of the management (URC erritorial between the ment (URC erritorial between the port relater age to the	to attain clear sign. In the case of HF r coast guard static iary volunteers with the coast guard static iary volunteers with the coast guard static in suiting the area of the coast in building to ope with computer for training to person ransistors, I.C.s, et group at the Zambeliable 5 KVA gene -187) at CGDet-Soundaries (Malay of the port expansion. The proposed of offices that will be communications expansions at the communications expansions.	equipmons. In thin the responsive temperature of the type of t	oment, to allow in the case of VI ne area of responsibility. to fantennae. Committee the first of antennae. Committee the committee the committee the committee the committee the west and Institute of work of the pacted by the expectable the committee the	24 hrs con HF equipmensibility as Change locale operation es. con-rated per marter with minterrupted its strategic idonesia in priority pre port expans	ent, to allow divell as direct tion of present room with air room with air roomel) for an arted electron power supply a importance in the south), oject for impleion project incomposition and project incomposition project incomposition and with a south and the south are the the south ar	ion to irect c conta t anter r-conc n efficie techy twen n mon	contact from the manae to ditioning cient 24hrs maician aty four mitoring ation under the	

SUMMARY OF PCG STATION SITE CGS COTABATO CLASS NO.												
SUMMARY		NC										
1. LOCATION	Ţ				1-3-		•					
Station	Address		Tel.		Fax	I	ongitude		Latit	ude		
CGS-Cotabato	Port Area, Cotabato City	,				124°		07				
2. GENERAL	CONDITIONS					-	<u> </u>					
	from Manila	Site Acce	ess from Po	rt 1	Road Trafi	ii e	Accommod	ation	Poni	ulation		
	A/P [Taking time: 1.33 hr.]	☐ Highv			koad Iran leavy	(IC	√ Hotel	HUIUII	Tobi	паноп		
By Car to CGS-Cotaba		√ Paved	ray		edium		√ Motel					
By to	[Taking time:]	□ Unpay	ved road				√ Pension					
	otabato Airport Seapor				 		1 Chiston					
mi port ivame . e.					TOTIC		Dofor	to off	aabad	drawing		
	3. CONDITIO	NS OF 2	STATIO	IN .			Refer	to au	acned	urawing		
3.1 Site Condit				·					, me			
Topography	Nature Nature				disaster of	site	Existing B	uildin	g/Towo	er Data		
√ Flat			stone	□ Floo				-	T T			
□ Slope		☐ Grav			ohoon		1		Log D			
☐ Hill-top ☐ Basin	□ Swampy □ Clay		y (hard)		tlement		<u> </u>		st Repo			
□ Basin □ Valley		⊔ Kock	y (soft)		ndslide Thquake					ap lculation		
Ground Water Ta		in / Dry	Season)		ners (```			ral Dra			
Altitude	, , , , , , , , , , , , , , , , , , ,	ші- / Diy- М	Scason)		lephone Li		Max. Size					
Land area	360,00			101	Lin		2t / 4t					
	ng Conditions	***		L.	3.3 Powe			, 01, 1	<u> </u>			
	tructions	Supplier	Zamboanga	a City	E/G	CI 500	Existing	Power	r Cond	titions		
Cons	tructions	Supplier	Electri	c	(Gen. Se	et)	Existing.	EUWEI	Come	HUUIIS		
37.		T Y 10	Cooperat		<u> </u>		Good Bad					
Num. of story	One	Voltage	220		Unsevicea					Crestom		
Structure	Concrete	Phase Wire		2		NA NA	· · · · · · · · · · · · · · · · · · ·			System		
Roof Material	G.I. Sheet Plywood	kVA		2		NA NA			ons of E/G ons of AVR			
Ceiling Mat. Wall Material	Conc.Hollow Blocks		ality of Co	mmare	cial Source							
Wall finish	Cement/Painted	Fluctuatio			V ± 5%		Day tank	01 144	f fuel for eng NA Lit			
Flooring Mat.	Cement		ty of powe		1		Main tank			Liters		
Water Leakage			erruption /			Times			- 112.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	Area (m²)	Total inter				Hours	E/G S	tand-t	v Svs	tem		
	$(3.0^{\text{m}}\text{x}4.0^{\text{m}})\ 12.0\text{m}^2$	Max. inter	_			Hours		le Syst				
E / G room	(5.5 K (10) 12.5 II	111111111111111111111111111111111111111	per mound t					Syste				
	ion / Ventilation of	Equipn	ient Roo	m	····		·					
Yes No		~ 4 ~ 7 ~										
√ □ Air C	ondition Unit: 1	Tvr	e:Window	/ Type	Ca	pacity	: 1 hp					
	ust Fan Unit: 2	Тур		- 71			ity: N/A	•				
	on of Existing Sys		***************************************									
Yes No	on or Emisting Dys											
√ □ Towe	rs Type; S	tance:	Heig	tht (m):	: 6.00m mc	unted	on top of the	Roof				
√ □ Anter			Direc									
		lize:		ght (m): ght (m):			ection:					
Н		lize:			: 20.0 m.		Direction: Broad Band					
	· · · · · · · · · · · · · · · · · · ·	Size:		ght (m)		Direc						
√ □ Grou:	nding system (for radio		1		Lightning	system	1					
	er Cable Way		٧				y (Cotabato	Water	Distri	ict)		
	Site and Equipme	nt Room			· · · · · · · · · · · · · · · · · · ·		"					
Yes No	and nyarpine		Yes	No								
	at Entrance Door				Lock at V	Vindov	v					
	ced Window (see reman	ks)	√		Security 1							
	rity Fence (see remarks		- \(\frac{1}{\sqrt{1}} \)	一一			on Equipme:	nt Roc	m			

SUMMA	RY OF	PCG STA	TI	ON		SITE		OTABATO	
O CLITITAL R					ce of Cotabato Port.	CLASS		NO.	nolludo tha
Remarks / Observations	follow (((2. The si	ing: (1) Province of L: (2) Province of M (3) Province of So ze of the operation/r	anao del Iaguinda Iltan Ku adio roc	Sur, anao, an idarat . om is 12		the main building	g which is ma	de of concrete r	naterials.
	four h 4. The w is avai 5. Preser teleph 6. The ex	ours communication ater supply provide lable 24 hrs. and protily the existing VHI one, through mobile sisting installed dipo	is operated by the ovided by and Historian transfer in the second	tion dail Cotaba by the C F comus by text		t is potable for dri Cooperative. f GGS-Cotabato a h courier.	nking. The p	ower supply to c	CGS- Cotabato
4	buildi		A TAYT	TOWY A	NCE	5 pro	CONNE	LEODM	ATTONE
4. 9		ON AND MA	_		INCE	3. PLK	SUMME	L FORM	ALIUNS
Restoration flow	Seek ass Otherwis HCGD 2		chnician l to Zam istance	in the l boanga of naval	ocality headquarters for repa technician otherwise	Chief	The second second second second second	1	
Examples of major	failure Equipme	ent cannot transmit/	receive	message	s; No signal	Operator (skilled)	1	()
Sufficiency of						Technicia		None	()
	cords of dam	ages			ental Condition	s Administr	ator	None	H-H-danmararararararararararara
☐ Heavy rainf	all			Bad		77 - 4 -	1		
□ Storm	D 1	41	1		External noises	Tota	1	2	
√ Lightning ☐ Other calarr		the Antennae	1		Air pollution				
U Onier caian		onal and Huma	ın Sta	frees	<u>.</u>		Traini	ng Record	1
1 Budget	HISTITUTE	Sufficient			ole √ Insufficie	t Course	Class		riod Trainee
2 Spares	4+		□ Rea			h No special	ization tra		
3 Measuring	eapt /tools		□ Re:		le √ Not enous	h radio office	ers. No rou	tine training o	of personnel.
4 Number of		···	□ Rea	asonal	······				
5 Number of	Technician	☐ Enough	□ Rea	asonal	ole √ Not enoug	jh			
6 Capability of	of Operator	☐ Skilled	√ No	t so ba	d 🗆 Not capab	le			
7 Capability of	of Technician	□ Skilled	□ No	t so ba	ıd √ None				
		2111 21	ry, ers	6. C	OMMENTS		1. *	and the second second	
5	contact from allow direct coas direct cont. The replacer international Philippines-Among the ptrade agreem linkages to S Zamboanga of Palawan (The result of priority project of the free tr. ADB-Internstrongly recoarea. Installation of Encommunication of Creation of S Provision of S Provision of S Provide light	station to headquart contact from Cotabat act from the station ment of unserviceabl trade activities pass East Asian Growth corts of entry in the sent are the Cotabate andakan and Labua Port (with existing trade survey/coordinatic act for implementati ade agreement. The todal Transport Devormmends the provisit of appropriate antenrestandby power generations equipment oper fast moving spare p. communications metalion act for metalion act for moving spare p. communications metalion act for metalion act fo	eable H ers as w to statio (shore) 'e equiprising the Area (B couthern o Port (v on, Mala rade lin' linkages on meeti on unde upgradie elopmei on of a ae mou rator to serator a ators (mi aintenan aintenan rent dan	F and V ell as from to its of the vesse ment at territorial IMP-E/s part of with previous 1, John Kages to Kuchengs controlled the Almoy/devent Project VHF equation of the Almoy/devent Project VHF expensive to the Almoy/devent Project Pro	HF with good quality om Cotabato station to various detachments a is (both foreign and le CGS-Cotabato is reco al boundaries in the li LGA) trade agreement the Philippines identifyious trade linkages to lo Port (with existing Sandakan and Labuar Asabah and Labuar ducted reveals that DOB-Intermodal Trans to lopment of Polloc Port. In view thereof, Za uipment at CG Detacing self-supporting pole, minterrupted power stide training to personnes, fuses, batteries, dicir group at the Zambihe communications et	o other coast guar and auxiliary volus cal) transiting the mmended in view ght of the implem in the coast of the implem in the coast of the implement of the implement of the coast of the	d stations. In inteers within a rea of responsor of its stratest entation of the mas free port. It alaysia), Bo Sandakan ard Brooke's Potthe airport entation of the airport entation of the airport entation of the airport entation. The proposed for instract District ship to shore y. e. non-rated process, etc.). In department of the proposed for instruction of the proposed for ins	the case of VHI the area of responsibility. gic importance i e Brunei, Indon s under the 199' ngao Port (with d Labuan, Mala int Port in the S expansion of Cot expansion of Cot expansion under F Commander D communication ersonnel) for an	F equipment, to onsibility as well n monitoring esia, Malaysia, 7 BIMP-EAGA existing trade aysia), touthernmost tip abato in its e implementation thase II of the anilo M. Vilda a system in the efficient 24hrs at etechnician.

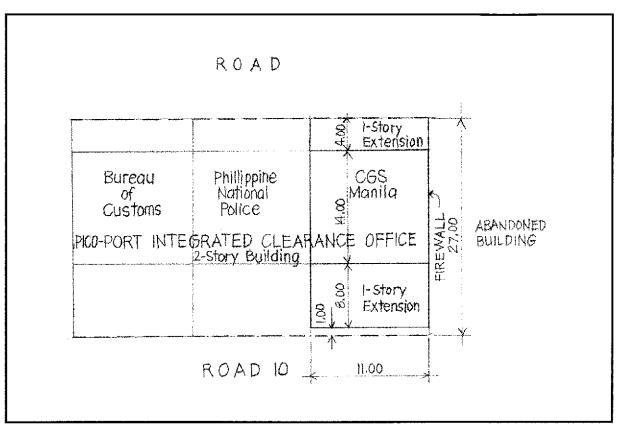


図 7-1-1 マニラ保安部サイト図

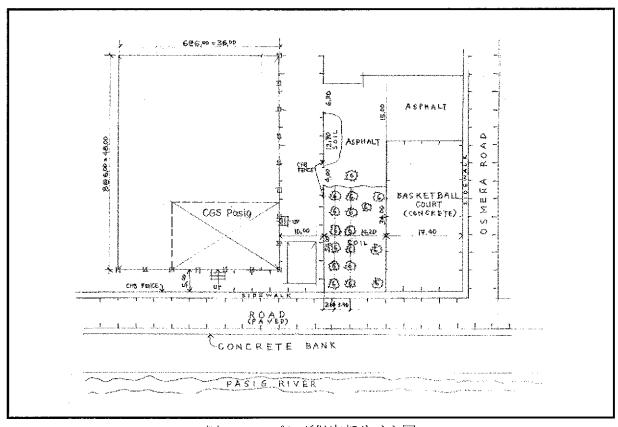


図 7-1-2 パシグ保安部サイト図

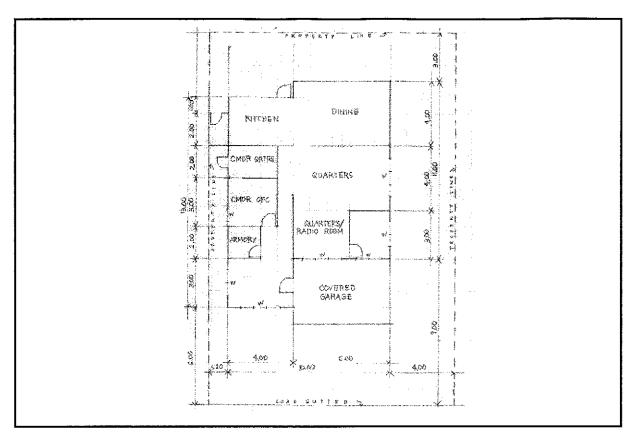


図 7-1-3 ラグナデ・ベイ保安部サイト図

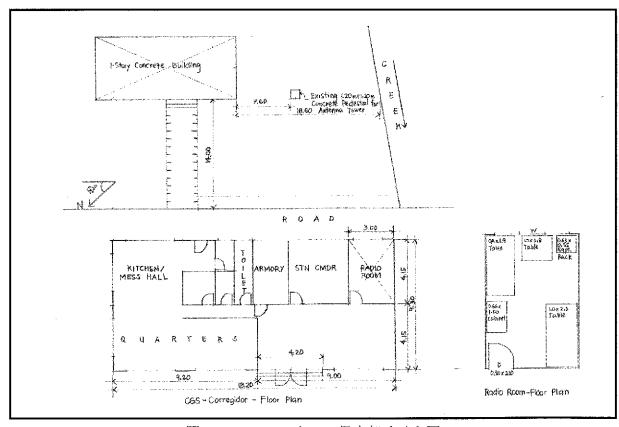


図 7-1-4 コレヒドール保安部サイト図

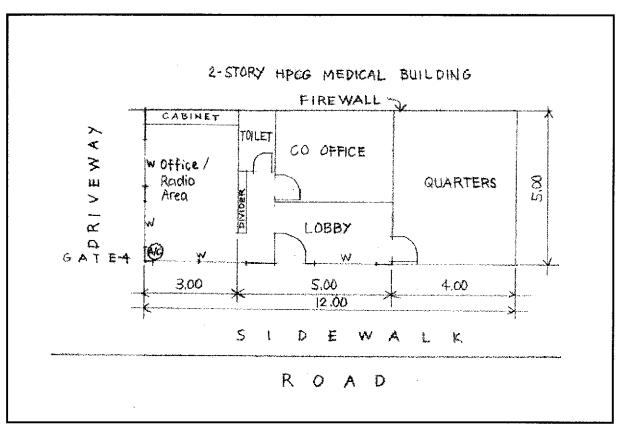


図 7-1-5 PSCCマニラ保安部サイト図

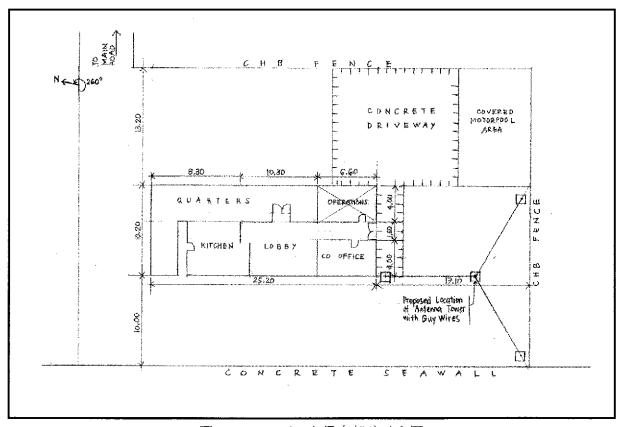


図 7-1-6 スピック保安部サイト図

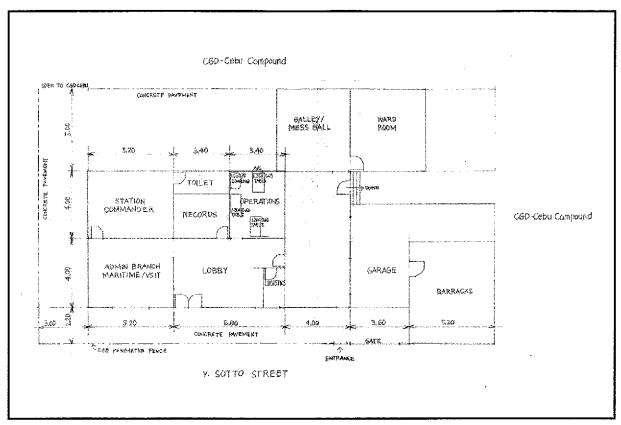


図 7-1-7 セブ保安部サイト図

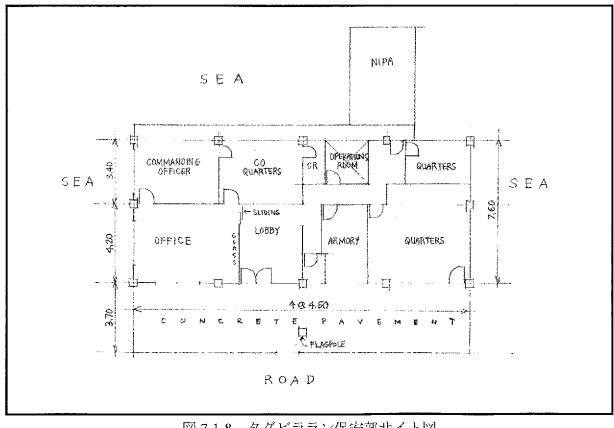


図 7-1-8 タグビララン保安部サイト図

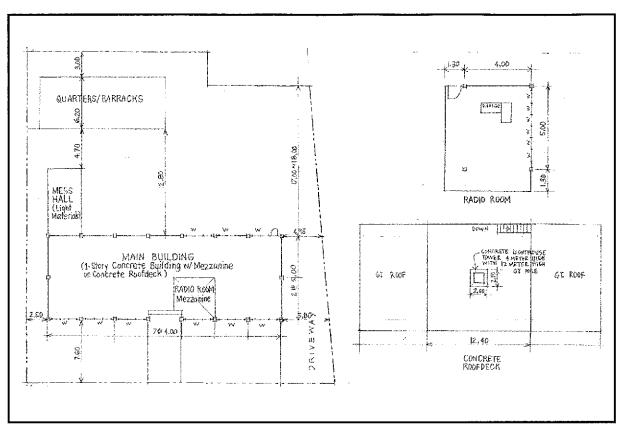


図 7-1-9 ドゥマゲテ保安部サイト図

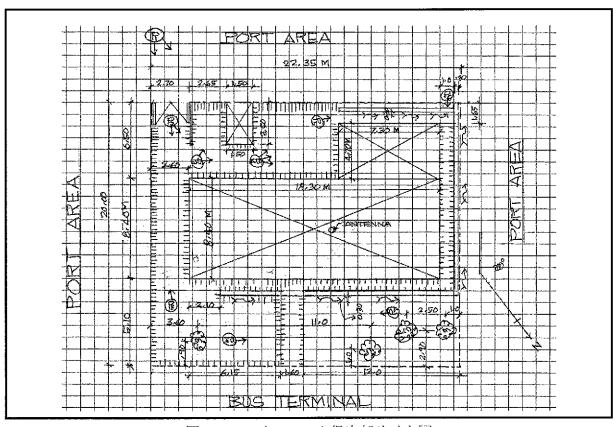


図 7-1-10 オルモック保安部サイト図

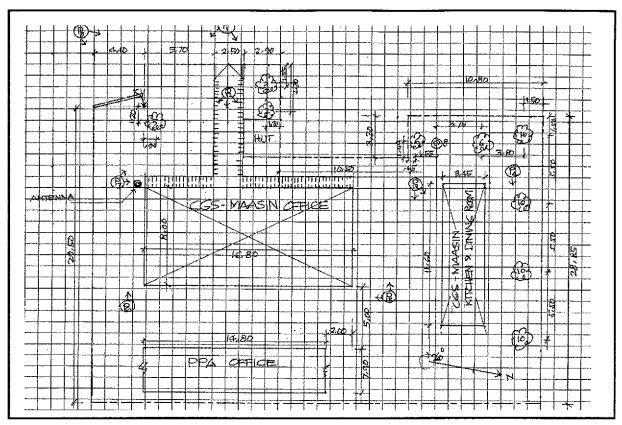


図 7-1-11 マーシン保安部サイト図

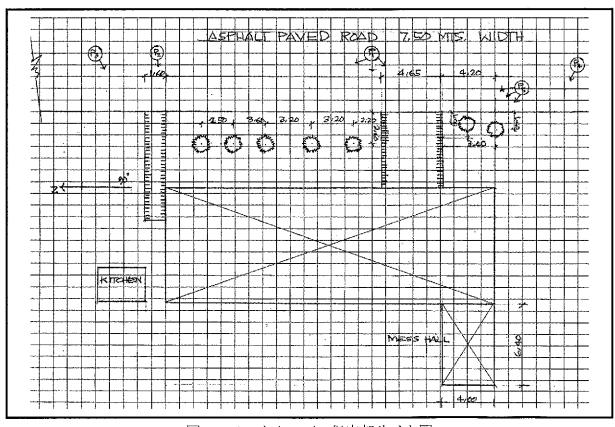


図 7-1-12 タクロバン保安部サイト図

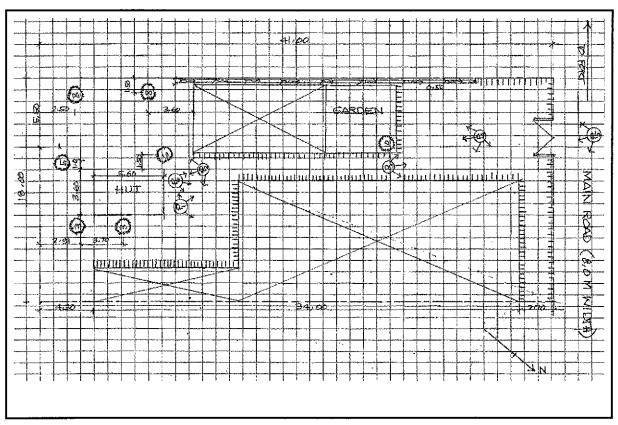


図 7-1-13 カトゥバロンガン保安部サイト図

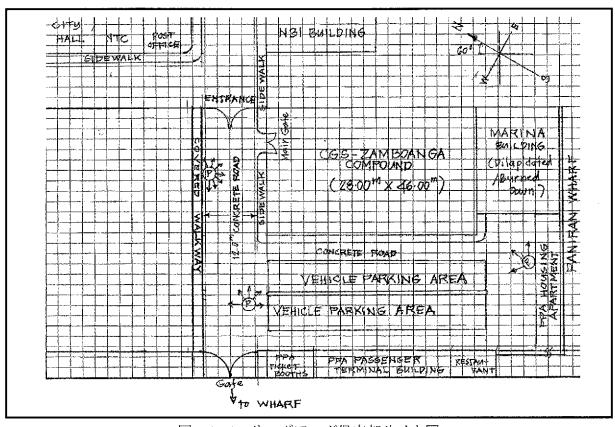


図 7-1-14 サンボアンガ保安部サイト図

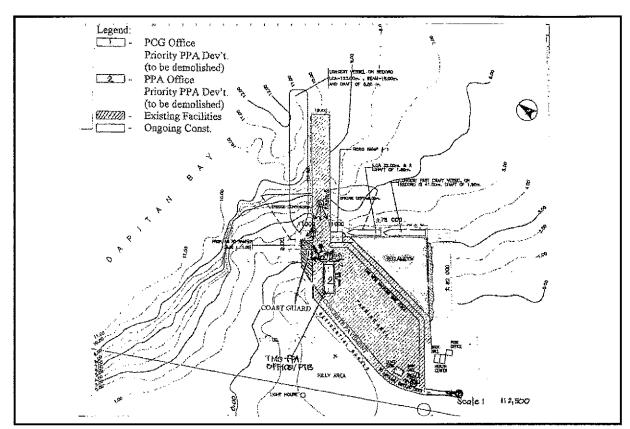


図 7-1-15 ダピタン保安部サイト図

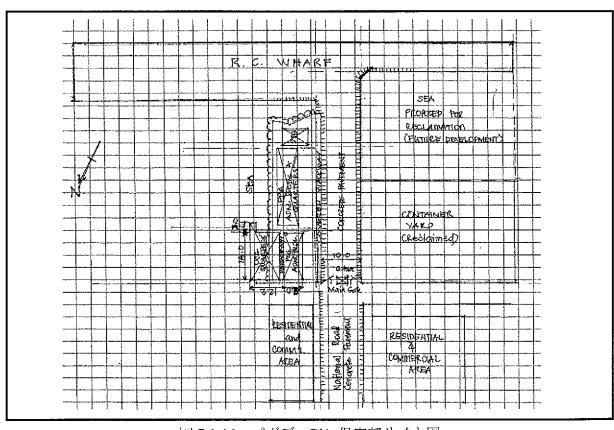


図 7-1-16 パガディアン保安部サイト図

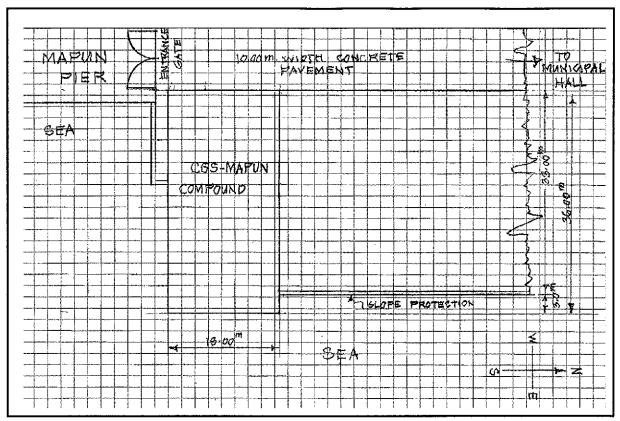


図 7-1-17 マプン保安部サイト図

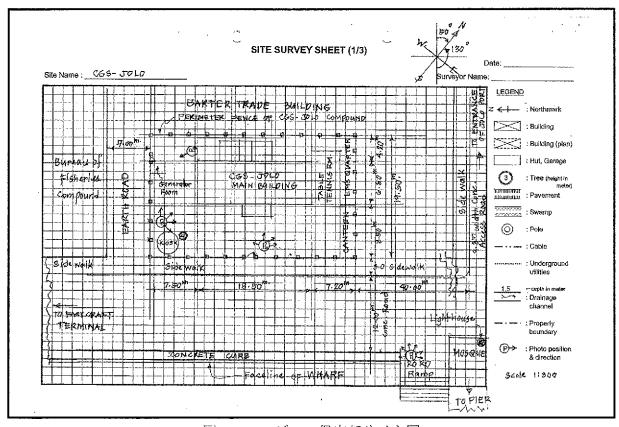


図 7-1-18 ジョロ保安部サイト図

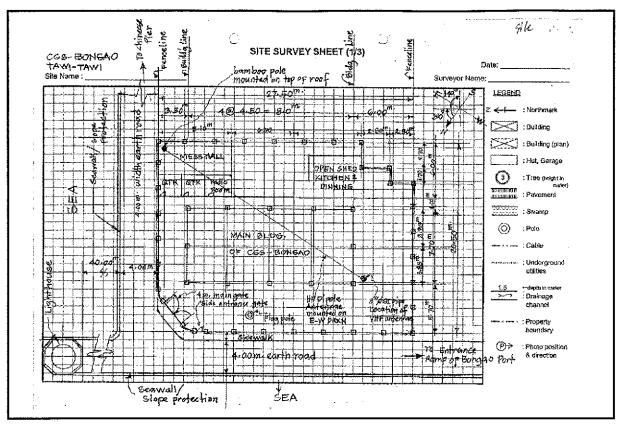


図 7-1-19 ボンガオ保安部サイト図

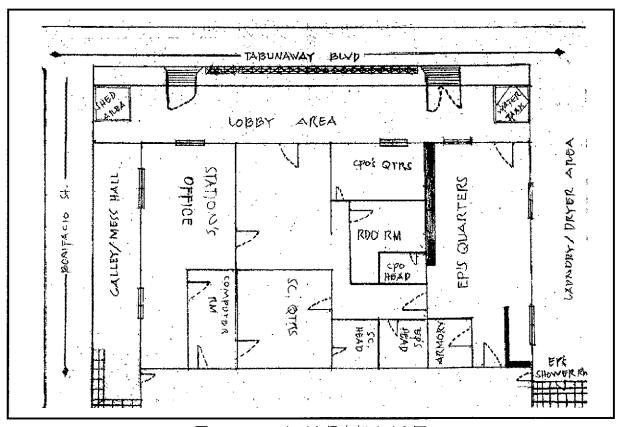


図 7-1-20 コタバト保安部サイト図

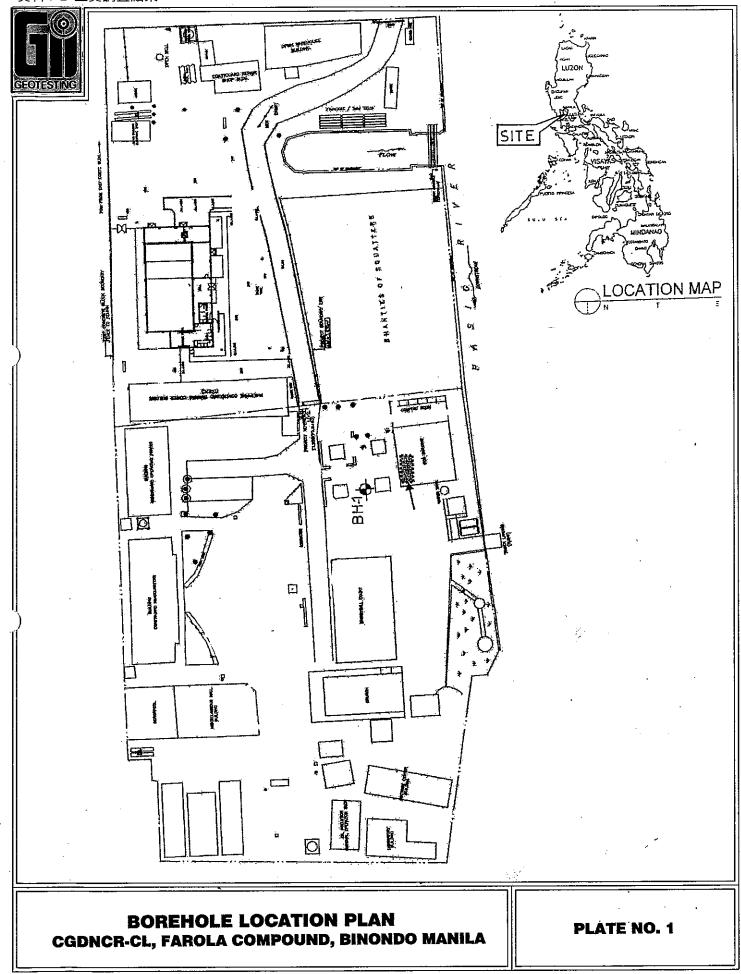


図 7-2-1 ボーリング調査位置図 (第1管区本部)

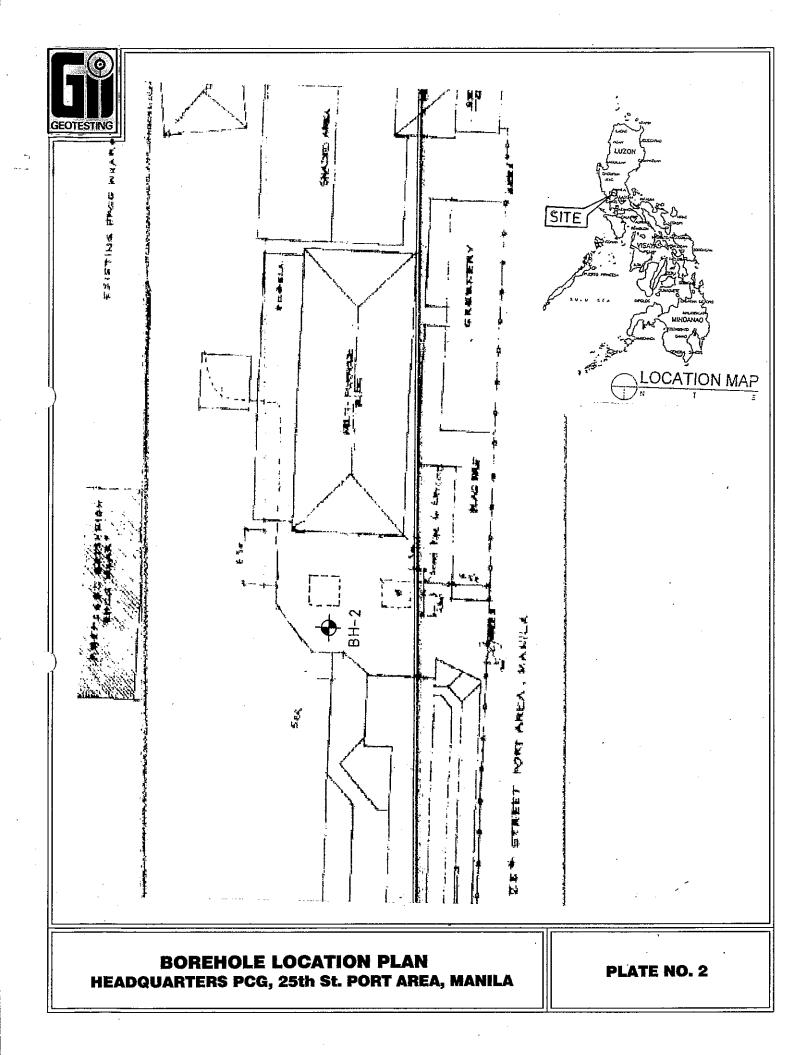


図 7-2-2 ボーリング調査位置図(本庁)



GEOTESTING (INTERNATIONAL) INC. GEOTECHNICAL & MATERIALS TESTING ENGINEERS

5550-B BOYLE STREET, PALANAN MAKATI CITY TEL NO. 832-5297 * 832-5318 * 833-1611

	GI	ΞC	T	EC	H	N.	IC	A	L	D	A'	ΓA	7									
PROJECT: Basic Design Study on the Project for PC	CC	GDN	VCR-C								ola		e Sta									
Communications System Capability		Til)	12	Comp	oou	nd, l								Jove			200	16		BH.		
Enhancement on Marine Safety & Security	y In	Elev	2.0	on: 0 M Ab	ove	·	١٢		linat 5128		6E			te Fin Vove:			200	16		1		
The Philippines		1		ın Sea I	eve	el	Ι,		1614	581	N_		1	1OAC!	HUE	. 10,	200	,0	ļ			
Description And	Log	Depth	SPT				&					<u>-</u>		İ					Blow 30 ci			
Classification of Materials	ٽ		꺙		Att	erbe	rg	Limii	s, %			u;	"N"		re	9T F1	001	/ 3	וט טו	m.		
		М	<u> </u>	2	0	40	<u> </u>	60	-,-	80	1			<u> </u>	20	-4	0	6	<u>م</u>	80) 	
5 cm Concrete Slab	٥'n		Ш	ااا					. .	<u> </u>	\ .									İ		
9 cm Fill Materials	Që.	¥		Comj	ores	Sive	Sta	engt	h # 1,	3/3	PS1			\vdash		-	_			-+	\dashv	_
1.21 Meters Concrete Fragments	mi			SPT-1									9			İ						
SILTY SAND; Gray to dark gray,			abla	UDS-	7	\dashv				╁┈	╁	, m				╁╌			\vdash		+	_
wet, non-plastic, loose to					d	,						NΡ	12									
međium đense, little broken				SPT-2						 	╁	ł	12		-	-	-		-	\dashv		-
shells. (SM) - trace organic materials, trace rock fragments				UDS-														:				
trace rock fragments				SPT-3			-	+			╁		13			-			┝╼┼	\dashv		
			X	UDS-															1 1			
		5 _		SPT-4					_		-		14			-	-		\vdash	-		
- trace gravel, trace broken shells			X	UDS-			1								λ Ι		1			-		
- trace graver, trace broken sitens			~ /	SPT-5					+	┼	┼		20		}				$\vdash \vdash$		+	
	1111		X	UDS-											/							
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medium stiff, trace to little sand, trace broken shells.				SPT-1					- -	-			2	╟╌┼╴	+	-			-	\dashv	-+	
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				nber 20		_	Ren	nark	8:		W	ater	able	= 1.0	0 me	ter B	GL					
Noted by: Pepito G. Tampengco, Jr.)ATE:	: No	ovei	nber 24	, 20	06																
o – Water Content Pi – Pi									- WI				ght									
-/ - Liquid Limit SPT - 3 / Plastic Limit UDS -					Tes	t (s))	,	s - • - '	Wate	r Ta	bie		Г								_
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GEOTESTING (INTERNATIONAL) INC. GEOTECHNICAL & MATERIALS TESTING ENGINEERS

5550-B BOYLE STREET, PALANAN MAKATI CITY TEL NO. 832-5297 * 832-5318 * 833-1611

GEOTECHNICAL DATA PROJECT: CGDNCR-CL Meulle dela Industria, Parola Date Started: Basic Design Study on the Project for PCG November 11, 2006 BH Compound, Binondo Manila Communications System Capability Coordinates: 51280426E Elevation Date Finished: 1 Enhancement on Marine Safety & Security In 2.00 M Above November 18, 2006 The Philippines 1614581N Mean Sea Level Water Content Depth Number of Blows Description And Classification of Materials 5 SPI Per Foot / 30 cm. "N" Atterberg Limits, % ď М 80 80 40 60 40 60 20 20 Ubs-17 SPIT-18 3 UDS-18 SP|T-19 3 20 UDS-19 - little broken shells SPT-20 4 UDS-20 SPT-2 3 UDS-21 SP17-22 3 UIDS-22 SPT-23 6 UDS-23 SPT-24 9 SILTY CLAY; Dark gray, wet, high 39 UIDS-24 **/**o plasticity, stiff to hard, trace SPT-25 15 broken shells. (CH) UDS-25 SPT-26 18 UIDS-26 SPT-27 19 UDS-27 - some gravel 38 UIDS-48 - little broken shells SPT-29 32 UDS-29 SPIT-30 34 UIDS-30 SPT-3 30 UIDS-31 SP|T-32 35 UIÞS-32 SPIT-38 33 UIDS-33 - very stiff to hard SPT-34 29 UDS-34 SPIT-35 Hole Logged by: Ferdie A. Llanillo DATE: November 20, 2006 Remarks: Watertable = 1.00 meter BGL DATE: November 24, 2006 Noted by: Pepito G. Tampengco, Jr. HW - Hammer Weight PI - Plasticity Index - Water Content CS - Core Sample

V - Water Table -/ - Liquid Limit /- - Plastic Limit SPT - Standard Penetration Test (s)

BGL - Below Ground Level

PLATE NO.

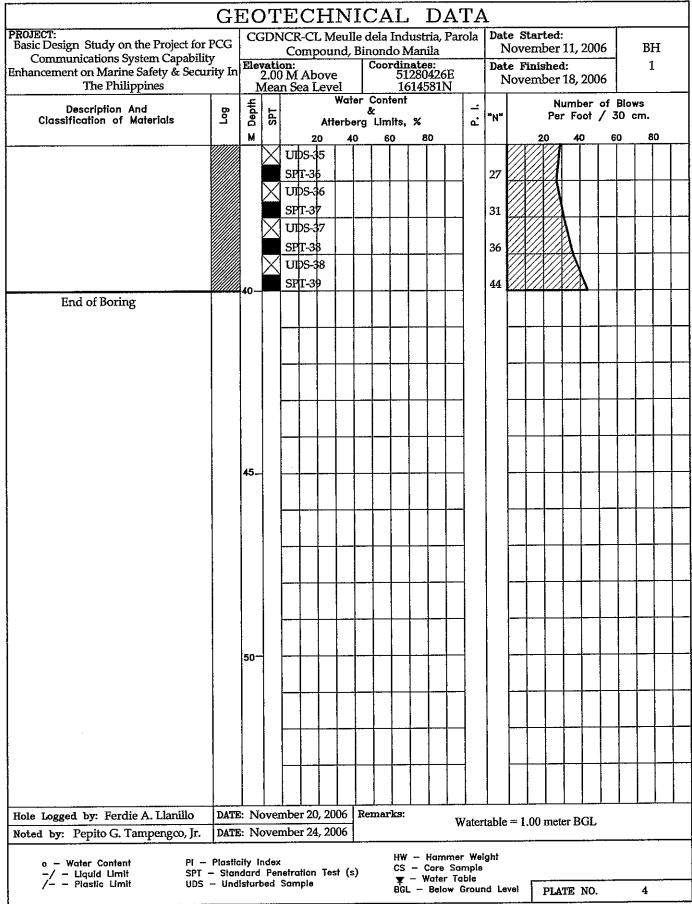
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UDS - Undisturbed Sample



GEOTESTING (INTERNATIONAL) INC. GEOTECHNICAL & MATERIALS TESTING ENGINEERS

5550-B BOYLE STREET, PALANAN MAKATI CITY TEL NO. 632-5297 * 832-5318 * 833-1611





GEOTESTING (INTERNATIONAL) INC. GEOTECHNICAL & MATERIALS TESTING ENGINEERS

5550-B BOYLE STREET, PALANAN MAKATI CITY TEL NO. 832-5297 * 832-5318 * 833-1611

GEOTECHNICAL DATA PROJECT: Headquarters Philippine Coast Guard Date Started: Basic Design Study on the Project for PCG November 22, 2006 BH # 139, 25th Street, Port Area Manila Communications System Capability Enhancement on Marine Safety & Security In 200 N Coordinates: 51281627E Date Finished: 2 2.00 M Above December 04, 2006 The Philippines 1613041N Mean Sea Level **Water Content** Depth Number of Blows Description And Log SPT Per Foot / 30 cm. "N" Classification of Materials Atterberg Limits, % ď М 80 40 60 20 5 cm Concrete Slab SPT 4 FILL MATERIALS consisting of 0 Rock Fragments with Soils; 5 ¥ SPT-Brown moist to wet, non-plastic. SPT-8 12 4 SILTY CLAY; Gray, wet, high UDS-32 plasticity, soft to very soft, trace to little sand, little rock SIPT-€ 3 fragments. (CH) UDS-2 3 - some broken shells UDS-3 SPT-8 4 UDS4 SPT-9 4 UDS-5 SPT-10 5 UDS-6 SPT-11 4 UDS-7 - little broken shells SPT-12 6 UDS-8 SPT-13 6 UDS-9 - trace broken shells 3 SPT-14 UDS-10 SPT-15 2 UDS-11 -soft to very soft SPT-16 3 UDS-12 SPT-17 4 UDS-13 - little broken shells DATE: December 02, 2006 Hole Logged by: Ferdie A. Llanillo Watertable = 1.90 meters BGL DATE: December 06, 2006 Noted by: Pepito G. Tampengco, Jr. HW - Hammer Weight – Water Content Pi - Plasticity Index CS - Core Sample -/ - Liquid Limit /- - Plastic Limit SPT - Standard Penetration Test (s) UDS - Undisturbed Sample

🔻 – Water Table BGL - Below Ground Level

PLATE NO.

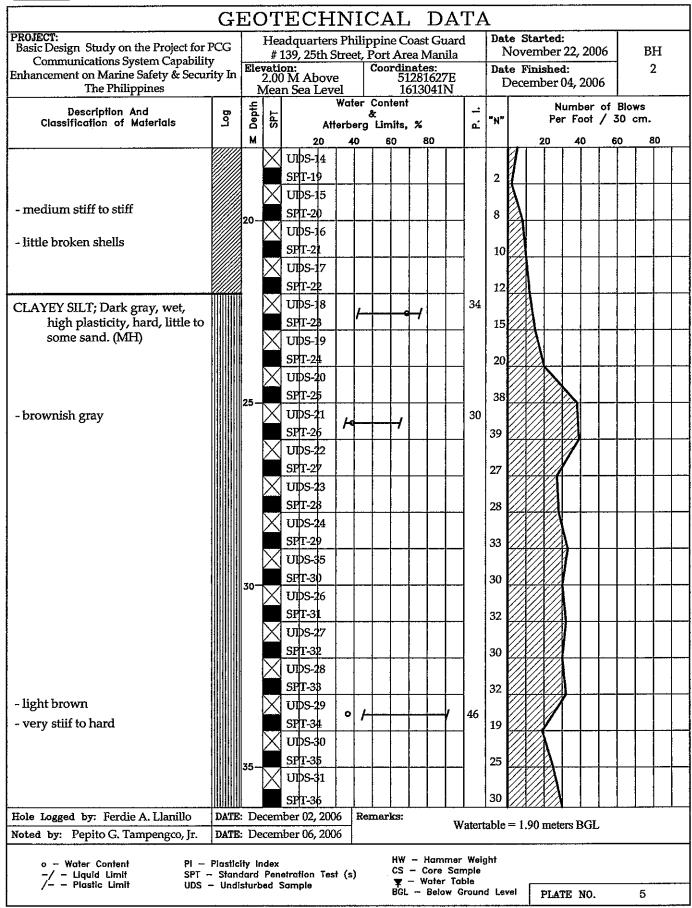
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GEOTESTING (INTERNATIONAL) INC.

5550-B BOYLE STREET, PALANAN MAKATI CITY TEL NO. 832-5297 * 832-5318 * 833-1611

GEOTECHNICAL & MATERIALS TESTING ENGINEERS





GEOTESTING (INTERNATIONAL) INC.

GEOTECHNICAL & MATERIALS TESTING ENGINEERS

5550-B BOYLE STREET, PALANAN MAKATI CITY TEL NO. 832-5297 * 832-5318 * 833-1611

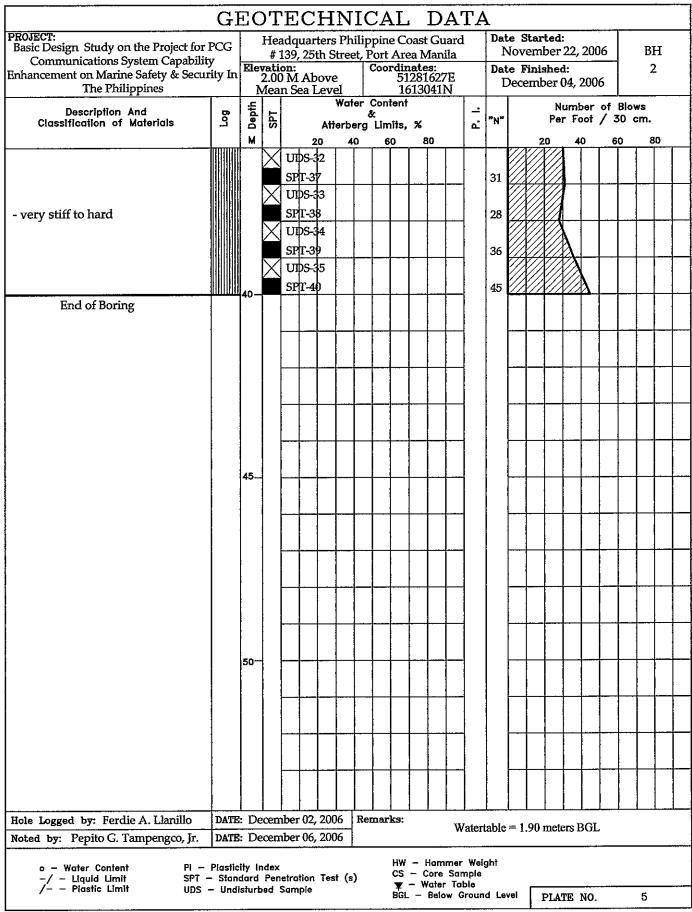




表 7-2-1 土質室内試験結果一覧表 (第 1 管区本部)

)

Basis Design Study On The Project For PCG Communications System Capability Enhancement Project:

On Maritime Safety & Security In The Philippines

Location: CGDNCR-CL Muelle dela Industria, Farola Compound, Binondo, Manila

SUMMARY OF LABORATORY TEST RESULTS

Sample	Depth	Soil	Moisture	Att	Atterberg Limits	ilts	SS	Unit Weight	пb
	(m)	Classification	Content, (%)	TI.	PŁ	PI	@20 C	wet (g/cc) (kg/sq.cm)	(kg/sq.cm)
UDS - 1	2.00-2.55	UDS - 1 2.00-2.55 Silty Sand (SM)	28.29	NP	₽ B	0	2.839	1.85	ı
6 - SON	10.00-10.55	UDS - 9 10.00-10.55 Silty Clay (CL.)	67.77	30	18	12	2,373	1.84	0.24
UDS - 16	17.00-17.55	UDS - 16 17.00-17.55 Silty Clay (CL)	64.24	31	14	17	2.332	1.78	0.49
UDS - 24	25.00-25.55	UDS - 24 25.00-25.55 Silty Clay (CH)	65.15	77	30	47	2,294	1.89	1.10

Legend:

LL - Liquid Limit

in - nb

qu - Unconfined Compression

NP - Non-Plastic

Gs - Specific Gravity

UDS - Undisturbed Sample

PI - Plasticity Index

PL - Plastic Limit

Note:

Sieve and hydrometer analysis are graphed on plate nos. 10 to 13.



表 7-2-2 土質室内試験結果一覧表(本庁)

Basis Design Study On The Project For PCG Communications System Capability Enhancement Project:

On Maritime Safety & Security In The Philippines

Location: Headquarters Philippine Coast Guard, #139 25th Street Port Area Manila

SUMMARY OF LABORATORY TEST RESULTS

nb	(kg/sq.cm)	0.48	1.20	2.42	2.28
Unit Weight	wet (g/cc) (kg/sq.cm	1,85	2.03	1.78	1.75
SĐ	@20 C	2.521	2,237	2,460	2,369
nits	PI	32	34	30	20
Atterberg Limits	PL	26	42	35	51
Att	ΓΓ	58	76	65	71
Moisture	Content, (%)	43.96	68,76	39.23	36.55
Soil	Classification	Silty Clay (CH)	Clayey Silt (MH)	Clayey Silt (MH)	Clayey Silt (MH)
Depth	(m)	UDS - 1 5.00-5.55 Silty Clay	UDS - 18 22.00-22.55 Clayey Silt	UDS - 21 25.00-25.55 Clayey Silt	UDS - 29 33.00-33.55 Clayey Silt
Sample		UDS - 1	UDS - 18	UDS - 21	UDS - 29

Legend:

LL - Liquid Limit

qu - Unconfined Compression

NP - Non-Plastic

Gs - Specific Gravity

UDS - Undisturbed Sample

PI - Plasticity Index

PL - Plastic Limit

Note:

Sieve and hydrometer analysis are graphed on plate nos. 14 to 17.

土質 (ボーリング)調査写真



ボーリング調査実施状況 (第一管区本部)

平成 18 年 11 月

ボーリング調査実施状況 (本 庁)

(本 庁)

平成 18 年 11 月



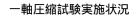
第一管区本部ボーリングより 採取された不撹乱試料



採取試料及び試料保管容器

平成 18 年 11 月





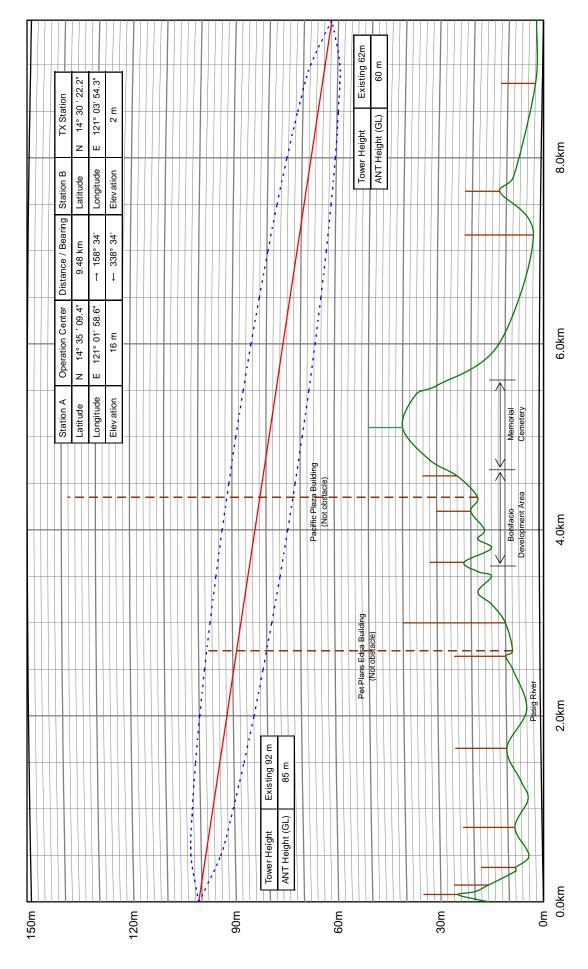
平成 18 年 12 月



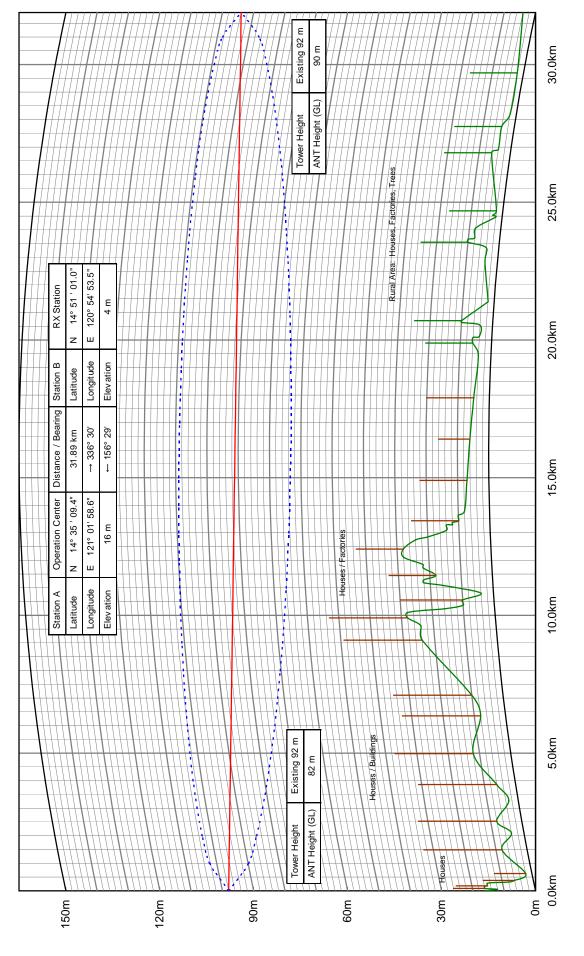
液性限界試験器具及び試験試料

平成 18 年 12 月

資料7-3 VSAT及びマイクロ波回線の回線設計書



B7-3-1



K=4/3



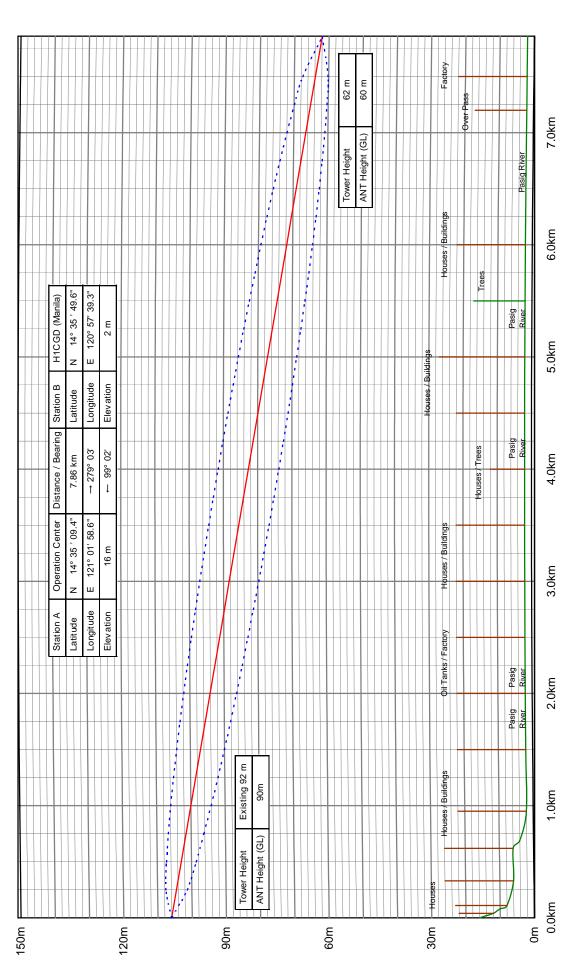
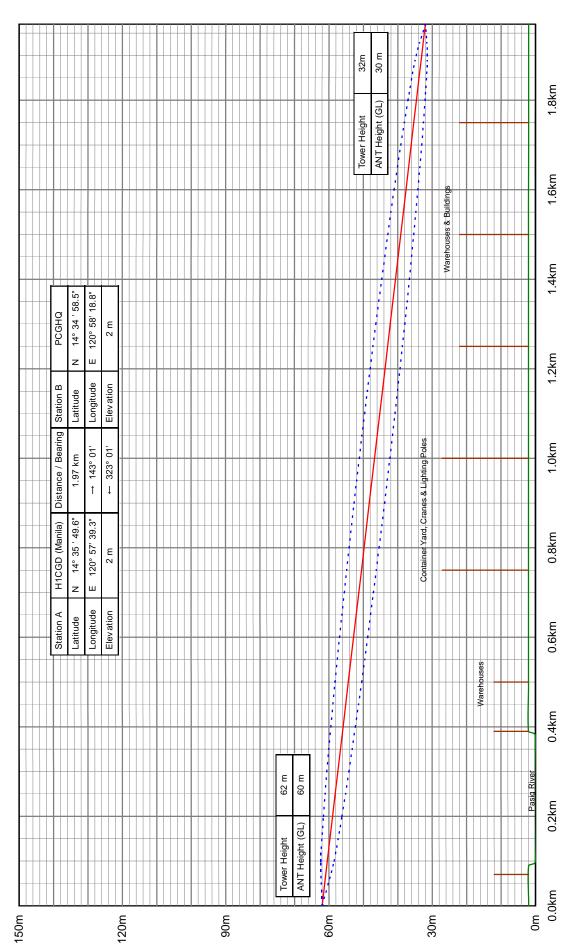
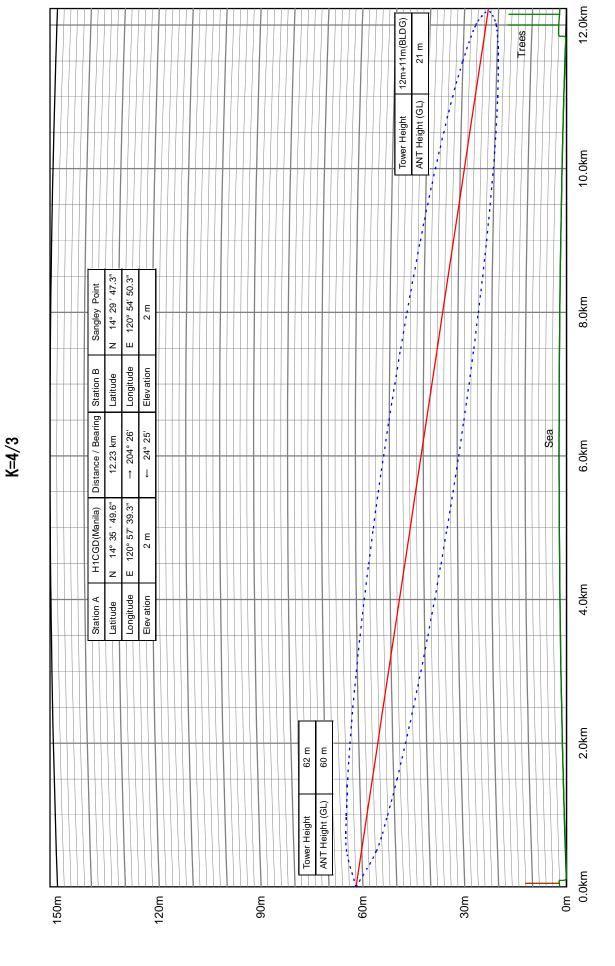


図7-3-4 マイクロ波回線プロファイルマップ(第1管区本部 - 本庁)



K=4/3



B7-3-5

表7-3-1 マイクロ波通信システム回線設計書(通信所 - 送信所)

	Operation Center	TX Station
Elevation (m) Latitude Longitude True azimuth (°) Vertical angle (°)	16.00 14 35 09.40 N 121 01 58.60 E 158.57 -0.27	2.00 14 30 22.20 N 121 03 54.30 E 338.58 0.20
Antenna model Antenna height (m) Antenna gain (dBi) TX line length (m)	PCG-7G-PB0.6 85.00 30.00 1.00	PCG-7G-PB0.6 60.00 30.00 1.00
RX hybrid loss (dB)	3.50	3.50
Frequency (MHz) Polarization Path length (km) Free space loss (dB) Atmospheric absorption loss (dB) Net path loss (dB)	129	ontal .48
Radio model TX power (watts) TX power (dBm) EIRP (dBm) RX threshold criteria RX threshold level (dBm) Maximum receive signal (dBm)	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00
RX signal (dBm) Thermal fade margin (dB)	-46.19 34.81	-46.19 34.81
Geoclimatic factor Path inclination (mr) Fade occurrence factor (Po) Average annual temperature (°C)	5.07E	.11
Worst month - multipath (%) (sec) Annual - multipath (%) (sec) (% - sec)	0.00000 0.05 0.00000 0.22 0.0000	0.00000 0.05 0.00000 0.22 0 - 0.44
Rain region 0.01% rain rate (mm/hr) Flat fade margin - rain (dB) Rain rate (mm/hr) Rain attenuation (dB) Annual rain (%-sec) Annual multipath + rain (%-sec)	34 313 34 0.0000	.00 .81 .57 .81

ŒŽ, 1 15 2007 R-01 OPC-TX (BER 10-6).pl4 Reliability Method - ITU-R P.530-7/8 Rain - ITU-R P530-7

表7-3-2 マイクロ波通信システム回線設計書(通信所 - 受信所)

	Operation Center	RX Station
Elevation (m) Latitude Longitude True azimuth (°) Vertical angle (°)	16.00 14 35 09.40 N 121 01 58.60 E 336.52 -0.11	4.00 14 51 01.00 N 120 54 53.50 E 156.49 -0.10
Antenna model Antenna height (m) Antenna gain (dBi) TX line length (m)	PCG-7G-PB12 82.00 36.00 1.00	PCG-7G-PB12 90.00 36.00 1.00
RX hybrid loss (dB)	3.50	3.50
Frequency (MHz) Polarization Path length (km) Free space loss (dB) Atmospheric absorption loss (dB) Net path loss (dB)	140	contal .89
Radio model TX power (watts) TX power (dBm) EIRP (dBm) RX threshold criteria RX threshold level (dBm) Maximum receive signal (dBm)	PCG-7G-34MB 0.50 27.00 63.00 BER 10-6 -81.00 -15.00	PCG-7G-34MB 0.50 27.00 63.00 BER 10-6 -81.00 -15.00
RX signal (dBm) Thermal fade margin (dB)	-44.95 36.05	-44.95 36.05
Geoclimatic factor Path inclination (mr) Fade occurrence factor (Po) Average annual temperature (°C)	3.32E	.13
Worst month - multipath (%) (sec) Annual - multipath (%) (sec) (% - sec)	0.00136 35.79 0.00051 161.05 0.00102	0.00136 35.79 0.00051 161.05
Rain region 0.01% rain rate (mm/hr) Flat fade margin - rain (dB) Rain rate (mm/hr) Rain attenuation (dB) Annual rain (%-sec) Annual multipath + rain (%-sec)	36 242 36 0.00018	.00 .05 .45 .05

ŒŽ, 1 15 2007 R-04 OPC-RX (BER 10-6).pl4 Reliability Method - ITU-R P.530-7/8 Rain - ITU-R P530-7

表7-3-3 マイクロ波通信システム回線設計書(通信所 - 第1管区本部)

	Operation Center	H1CGD (Manila)
Elevation (m) Latitude Longitude True azimuth (°) Vertical angle (°)	16.00 14 35 09.40 N 121 01 58.60 E 279.05 -0.35	2.00 14 35 49.60 N 120 57 39.30 E 99.04 0.29
Antenna model Antenna height (m) Antenna gain (dBi) TX line length (m)	PCG-7G-PB06 90.00 30.00 1.00	PCG-7G-PB06 60.00 30.00 1.00
RX hybrid loss (dB)	3.50	3.50
Frequency (MHz) Polarization Path length (km) Free space loss (dB) Atmospheric absorption loss (dB) Net path loss (dB)	7 127	contal .86
Radio model TX power (watts) TX power (dBm) EIRP (dBm) RX threshold criteria RX threshold level (dBm) Maximum receive signal (dBm)	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00
RX signal (dBm) Thermal fade margin (dB)	-44.54 36.46	-44.54 36.46
Geoclimatic factor Path inclination (mr) Fade occurrence factor (Po) Average annual temperature (°C)	2.15E	.60
Worst month - multipath (%) (sec) Annual - multipath (%) (sec) (% - sec)	0.00001 0.14 0.00000 0.61 0.0000	0.00001 0.14 0.00000 0.61 0 - 1.23
Rain region 0.01% rain rate (mm/hr) Flat fade margin - rain (dB) Rain rate (mm/hr) Rain attenuation (dB) Annual rain (%-sec) Annual multipath + rain (%-sec)	95 36 352 36 0.0000	egion N .00 .46 .12 .46 1 - 2.79 1 - 4.02

ŒŽ, 1 15 2007 R-06 OPC-H1CGD (BER 10-6).pl4 Reliability Method - ITU-R P.530-7/8 Rain - ITU-R P530-7

1

表7-3-4 マイクロ波通信システム回線設計書(本庁 - 第1管区本部)

	PCGHQ	H1CGD (Manila)
Elevation (m) Latitude Longitude True azimuth (°) Vertical angle (°)	2.00 14 34 58.50 N 120 58 18.80 E 323.03 0.87	2.00 14 35 49.60 N 120 57 39.30 E 143.03 -0.88
Antenna model Antenna height (m) Antenna gain (dBi) TX line length (m)	PCG-7G-PB06 30.00 30.00 1.00	PCG-7G-PB06 60.00 30.00 1.00
RX hybrid loss (dB)	3.50	3.50
Frequency (MHz) Polarization Path length (km) Free space loss (dB) Atmospheric absorption loss (dB) Net path loss (dB)	115	tical .97
Radio model TX power (watts) TX power (dBm) EIRP (dBm) RX threshold criteria RX threshold level (dBm) Maximum receive signal (dBm)	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00
RX signal (dBm) Thermal fade margin (dB)	-32.45 48.55	-32.45 48.55
Geoclimatic factor Path inclination (mr) Fade occurrence factor (Po) Average annual temperature (°C)	7.78E	.26
Worst month - multipath (%) (sec) Annual - multipath (%) (sec) (% - sec)	0.00000 3.46e-06 0.00000 1.56e-05 0.0000	0.00000 3.46e-06 0.00000 1.56e-05 0 - 0.00
Rain region 0.01% rain rate (mm/hr) Flat fade margin - rain (dB) Rain rate (mm/hr) Rain attenuation (dB) Annual rain (%-sec) Annual multipath + rain (%-sec)	48 9012	.00 .55 .63 .55 0 - 0.00

ŒŽ, 1 15 2007 R-08 PCGHQ-H1CGD (BER 10-6).pl4 Reliability Method - ITU-R P.530-7/8 Rain - ITU-R P.530-8

表7-3-5 マイクロ波通信システム回線設計書(第1管区本部-運用指令所)

	H1CGD (Manila)	Sangley Point
Elevation (m) Latitude Longitude True azimuth (°) Vertical angle (°)	2.00 14 35 49.60 N 120 57 39.30 E 204.44 -0.22	2.00 14 29 47.30 N 120 54 50.30 E 24.43 0.14
Antenna model Antenna height (m) Antenna gain (dBi) TX line length (m)	PCG-7G-PB06 60.00 30.00 1.00	PCG-7G-PB06 21.00 30.00 1.00
RX hybrid loss (dB)	3.50	3.50
Frequency (MHz) Polarization Path length (km) Free space loss (dB) Atmospheric absorption loss (dB) Net path loss (dB)	131	contal .23
Radio model TX power (watts) TX power (dBm) EIRP (dBm) RX threshold criteria RX threshold level (dBm) Maximum receive signal (dBm)	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00	PCG-7G-34MB 0.50 27.00 57.00 BER 10-6 -81.00 -15.00
RX signal (dBm) Thermal fade margin (dB)	-48.43 32.57	-48.43 32.57
Geoclimatic factor Path inclination (mr) Fade occurrence factor (Po) Average annual temperature (°C)	1.07E	.19
Worst month - multipath (%) (sec) Annual - multipath (%) (sec) (% - sec)	0.00061 16.01 0.00023 72.04 0.00046	0.00061 16.01 0.00023 72.04
Rain region 0.01% rain rate (mm/hr) Flat fade margin - rain (dB) Rain rate (mm/hr) Rain attenuation (dB) Annual rain (%-sec) Annual multipath + rain (%-sec)	32 275	.00 .57 .53 .57 ' - 22.88

ŒŽ, 1 15 2007 R-10 H1CGD-SGP (BER 10-6).pl4 Reliability Method - ITU-R P.530-7/8 Rain - ITU-R P530-7

表 7-3-6 VSAT 衛星システム回線設計書(Ku バンド 1 / 4)

Ku-Band	Manila (Antenna: 2.4mØ) Cebu (Antenna: 1.8mØ)	Cebu (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.93	39.45
Up Link C/N (dB)	21.20	21.31
Down Link C/N (dB)	19.54	21.99
Clear Sky Link Margin (dB)	8.41	8.93
Up Link Rain Loss (dB)	8.69	8.88
Down Link Rain Loss (dB)	9.55	12.80
Up Link Availability (%)	99.92	99.91
Down Link Availability (%)	99.97	99.99
Overall Link Availability (%)	99.89	99.90

Ku-Band	Manila (Antenna: 2.4mØ) Zamboanga (Antenna: 1.8mØ)	Zamboanga (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	37.62	37.65
Up Link C/N (dB)	19.90	21.01
Down Link C/N (dB)	19.74	21.74
Clear Sky Link Margin (dB)	8.21	8.83
Up Link Rain Loss (dB)	8.47	9.14
Down Link Rain Loss (dB)	9.93	10.82
Up Link Availability (%)	99.91	99.88
Down Link Availability (%)	99.96	99.98
Overall Link Availability (%)	99.87	99.86

Ku-Band	Manila (Antenna: 2.4mØ) Palawan (Antenna: 1.8mØ)	Palawan (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.78	37.55
Up Link C/N (dB)	21.06	21.31
Down Link C/N (dB)	18.85	21.99
Clear Sky Link Margin (dB)	8.21	8.93
Up Link Rain Loss (dB)	8.47	8.91
Down Link Rain Loss (dB)	7.27	12.80
Up Link Availability (%)	99.91	99.90
Down Link Availability (%)	99.93	99.99
Overall Link Availability (%)	99.84	99.89

Ku-Band	Manila (Antenna: 2.4mØ) Batangas (Antenna: 1.8mØ)	Batangas (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.98	39.05
Up Link C/N (dB)	21.25	21.31
Down Link C/N (dB)	19.50	21.99
Clear Sky Link Margin (dB)	8.41	8.93
Up Link Rain Loss (dB)	8.69	8.94
Down Link Rain Loss (dB)	9.31	12.80
Up Link Availability (%)	99.92	99.92
Down Link Availability (%)	99.97	99.99
Overall Link Availability (%)	99.89	99.91

Ku-Band	Manila (Antenna: 2.4mØ) Iloilo (Antenna: 1.8mØ)	Iloilo (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.93	39.45
Up Link C/N (dB)	21.20	21.31
Down Link C/N (dB)	19.54	21.99
Clear Sky Link Margin (dB)	8.41	8.93
Up Link Rain Loss (dB)	8.69	8.88
Down Link Rain Loss (dB)	9.55	12.80
Up Link Availability (%)	99.92	99.91
Down Link Availability (%)	99.97	99.99
Overall Link Availability (%)	99.89	99.90

Ku-Band	Manila (Antenna: 2.4mØ) San Feranand (Antenna: 1.8mØ)	San Feranand (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.98	39.05
Up Link C/N (dB)	21.25	21.31
Down Link C/N (dB)	19.50	21.99
Clear Sky Link Margin (dB)	8.41	8.93
Up Link Rain Loss (dB)	8.69	8.94
Down Link Rain Loss (dB)	9.31	12.80
Up Link Availability (%)	99.92	99.92
Down Link Availability (%)	99.97	99.99
Overall Link Availability (%)	99.89	99.91

表 7-3-8 VSAT 衛星システム回線設計書(Ku バンド 3 / 4)

Ku-Band	Manila (Ant. 2.4m) Davao (Antenna: 1.8mØ)	Davao (Ant. 1.8m) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.93	41.39
Up Link C/N (dB)	21.22	21.30
Down Link C/N (dB)	16.67	22.00
Clear Sky Link Margin (dB)	7.50	8.93
Up Link Rain Loss (dB)	7.72	9.13
Down Link Rain Loss (dB)	7.26	12.80
Up Link Availability (%)	99.89	99.89
Down Link Availability (%)	99.92	99.99
Overall Link Availability (%)	99.81	99.88

Ku-Band	Manila (Antenna: 2.4mØ) Legaspi (Antenna: 1.8mØ)	Legaspi (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.86	40.49
Up Link C/N (dB)	21.16	21.31
Down Link C/N (dB)	16.50	21.99
Clear Sky Link Margin (dB)	7.43	8.93
Up Link Rain Loss (dB)	7.40	8.97
Down Link Rain Loss (dB)	7.62	12.80
Up Link Availability (%)	99.88	99.92
Down Link Availability (%)	99.95	99.99
Overall Link Availability (%)	99.83	99.91

Ku-Band	Manila (Antenna: 2.4mØ) Cagayan De Oro (Antenna: 1.8mØ)	Cagayan De Oro (Antenna: 1.8mØ) Manila (Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.93	41.39
Up Link C/N (dB)	21.22	21.30
Down Link C/N (dB)	16.67	22.00
Clear Sky Link Margin (dB)	7.50	8.93
Up Link Rain Loss (dB)	7.72	9.13
Down Link Rain Loss (dB)	7.26	12.80
Up Link Availability (%)	99.89	99.89
Down Link Availability (%)	99.92	99.99
Overall Link Availability (%)	99.81	99.88

表 7-3-9 VSAT 衛星システム回線設計書(Ku バンド 4 / 4)

Ku-Band	Manila (Antenna: 2.4mØ) Palawan Transportable (Antenna: 0.9mØ)	Palawan Transportable (Antenna: 0.9mØ) Manila(Antenna: 2.4mØ)
Earth Station EIRP (dBW)	38.70	37.57
Up Link C/N (dB)	21.03	21.31
Down Link C/N (dB)	12.85	21.99
Clear Sky Link Margin (dB)	5.57	8.93
Up Link Rain Loss (dB)	5.69	8.91
Down Link Rain Loss (dB)	4.37	12.80
Up Link Availability (%)	99.80	99.90
Down Link Availability (%)	99.80	99.99
Overall Link Availability (%)	99.60	99.89

表 7-3-10 VSAT 衛星システム回線設計書(C バンド 1 / 4)

C-Band	Manila (Antenna: 3.8mØ) Cebu (Antenna: 2.4mØ)	Cebu (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	32.79	28.36
Up Link C/N (dB)	16.13	11.77
Down Link C/N (dB)	6.92	7.97
Clear Sky Link Margin (dB)	0.86	0.88
Up Link Rain Loss (dB)	0.87	0.89
Down Link Rain Loss (dB)	0.14	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

C-Band	Manila (Antenna: 3.8mØ) Zamboanga (Antenna: 2.4mØ)	Zamboanga (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	32.80	28.04
Up Link C/N (dB)	16.14	11.94
Down Link C/N (dB)	6.92	8.15
Clear Sky Link Margin (dB)	0.86	1.04
Up Link Rain Loss (dB)	0.87	1.05
Down Link Rain Loss (dB)	0.16	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

C-Band	Manila (Antenna: 3.8mØ) Palawan (Antenna: 2.4mØ)	Palawan (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	32.42	28.03
Up Link C/N (dB)	15.77	11.85
Down Link C/N (dB)	6.97	8.06
Clear Sky Link Margin (dB)	0.86	0.96
Up Link Rain Loss (dB)	0.87	0.97
Down Link Rain Loss (dB)	0.15	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

表 7-3-11 VSAT 衛星システム回線設計書(Ku バンド 2 / 4)

C-Band	Manila (Antenna: 3.8mØ) Batangas (Antenna: 2.4mØ)	Batangas (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	31.54	28.41
Up Link C/N (dB)	14.89	11.75
Down Link C/N (dB)	7.1	7.95
Clear Sky Link Margin (dB)	0.86	0.86
Up Link Rain Loss (dB)	0.87	0.87
Down Link Rain Loss (dB)	0.14	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

C-Band	Manila (Antenna: 3.8mØ)	Iloilo (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	32.37	28.42
Up Link C/N (dB)	15.71	11.81
Down Link C/N (dB)	6.97	8.01
Clear Sky Link Margin (dB)	0.86	0.92
Up Link Rain Loss (dB)	0.87	0.93
Down Link Rain Loss (dB)	0.14	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

C-Band	Manila (Antenna: 3.8mØ) San Feranand (Antenna: 2.4mØ)	San Feranand (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	31.54	28.41
Up Link C/N (dB)	14.89	11.75
Down Link C/N (dB)	7.10	7.95
Clear Sky Link Margin (dB)	0.86	0.86
Up Link Rain Loss (dB)	0.87	0.87
Down Link Rain Loss (dB)	0.14	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

表 7-3-12 VSAT 衛星システム回線設計書(C バンド 3 / 4)

C-Band	Manila (Antenna: 3.8mØ) Davao (Antenna: 2.4mØ)	Davao (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	33.65	28.92
Up Link C/N (dB)	17.00	11.87
Down Link C/N (dB)	6.83	8.07
Clear Sky Link Margin (dB)	0.86	0.97
Up Link Rain Loss (dB)	0.87	0.98
Down Link Rain Loss (dB)	0.15	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

C-Band	Manila (Antenna: 3.8mØ) Legaspi (Antenna: 2.4mØ)	Legaspi (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	32.81	28.85
Up Link C/N (dB)	16.16	11.74
Down Link C/N (dB)	6.92	7.94
Clear Sky Link Margin (dB)	0.86	0.85
Up Link Rain Loss (dB)	0.87	0.86
Down Link Rain Loss (dB)	0.13	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

C-Band	Manila (Antenna: 3.8mØ) Cagayan De Oro (Antenna: 2.4mØ)	Cagayan De Oro (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	33.22	28.36
Up Link C/N (dB)	16.57	11.79
Down Link C/N (dB)	6.87	7.99
Clear Sky Link Margin (dB)	0.86	0.9
Up Link Rain Loss (dB)	0.87	0.91
Down Link Rain Loss (dB)	0.14	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

表 7-3-13 VSAT 衛星システム回線設計書(C バンド 4 / 4)

C-Band	Manila (Antenna: 3.8mØ) Palawan Transportable (Antenna: 2.4mØ)	Palawan Transportable (Antenna: 2.4mØ) Manila (Antenna: 3.8mØ)
Earth Station EIRP (dBW)	32.42	28.03
Up Link C/N (dB)	15.77	11.85
Down Link C/N (dB)	6.97	8.06
Clear Sky Link Margin (dB)	0.86	0.96
Up Link Rain Loss (dB)	0.87	0.97
Down Link Rain Loss (dB)	0.15	0.13
Up Link Availability (%)	99.95	99.95
Down Link Availability (%)	99.95	99.95
Overall Link Availability (%)	99.90	99.90

Note: Antenna size of Transportable VSAT station is limited due to adjacent satellites, the minimum size of c-band antenna is 2.4m