

Preparedness and Early Response



**SORSOGON PROVINCIAL RISK REDUCTION AND
MANAGEMENT OFFICE**

Capitol Compound, Sorsogon City

BEFORE



- ❑ December 7, 2015 – Close monitoring of then Low Pressure Area (LPA);
- ❑ Informed DRRMOs thru InfoBoard System regarding the LPA monitored;
- ❑ December 8, 2015 – Issued Weather Advisories to DRRMO's with reference to Model Forecast of International Weather Forecasting Bureaus;
- ❑ December 9, 2015 – Intensify the monitoring process regarding the weather disturbance.

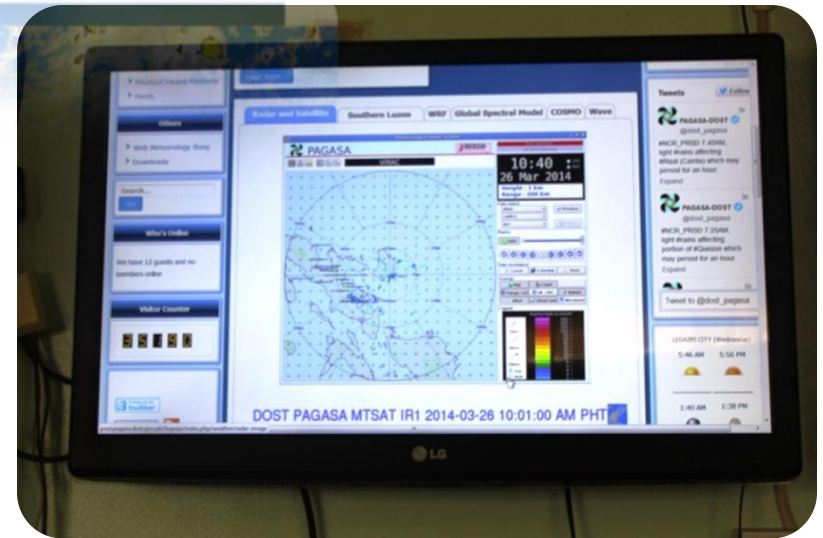
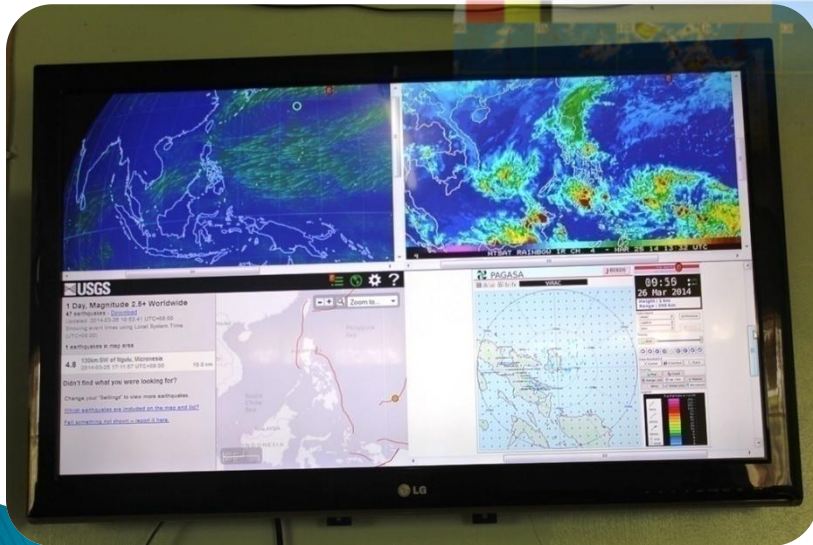
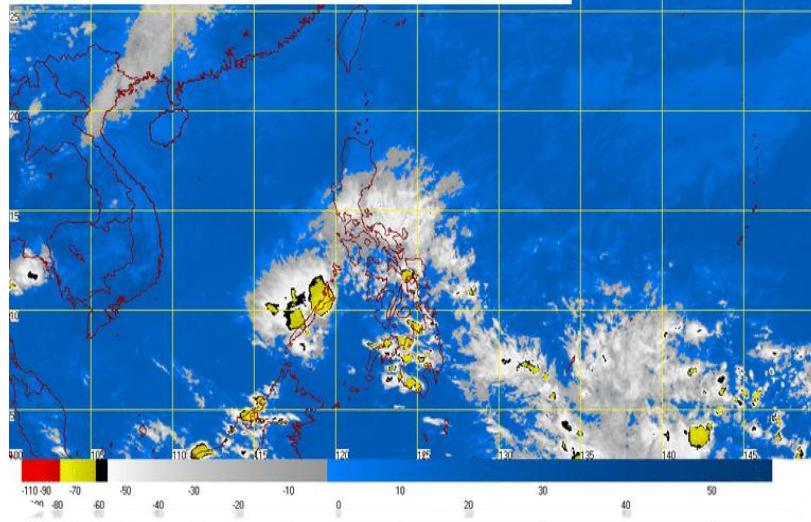


- ❑ December 10, 2015 – Prepares Risk Analysis Identifying Vulnerable Barangays to Typhoon, Storm Surge, Landslide & Flooding;
- ❑ December 11, 2015 – Submits Reports to OCD 5 relative to the Preparation being made by the Office;
- ❑ December 12, 2015 – Intensify further the conduct of monitoring and strengthen coordination with DRRMOs;
- ❑ December 13, 2015- Convene for the purpose of conducting Pre-Disaster Risk Analysis (PDRA), issuance of directives for the implementation of pre-emptive and forced evacuation;
- ❑ Activated Incident Command System;



Monitoring System

JOST PAGASA MTSAT IR1 2014-03-24 3:01:00 PM PHT





Plotting

Monitoring



TYPHOON TRACKING CHART

Region Provincial Disaster Risk Reduction & Management Office

WEATHER ADVISORY

1. Areas indicated on related cyclone or other storm warning system such as the southeast monsoon, 5 or 6, Pacific Area (PAPA) and other weather system that are under PAGASA's watch and service.

2. For typhoons, low pressure area and other weather conditions in the area and in the direction the expected weather conditions in affected area and its vicinity.

3. For tropical cyclones that have not yet been formed or are yet to be formed, the area 1/3 of a circle is generally considered as the area of concern. The expected weather conditions, movement and development are indicated in the area.

4. Areas under a 1:100 A.M. (minor) significant damage sustained by the majority of houses.

- TYPHOON NAMES 2015**
- 1. ALIANG
 - 2. BETTY
 - 3. CHEDDENG
 - 4. HODONG
 - 5. KALAN
 - 6. PANTON
 - 7. PANTON
 - 8. HENSA
 - 9. HENSA
 - 10. HENSA
 - 11. HENSA
 - 12. HENSA
 - 13. HENSA
 - 14. HENSA
 - 15. HENSA
 - 16. PERLA
 - 17. QUIEL
 - 18. RAMON
 - 19. SARAH
 - 20. TISAY
 - 21. URSULA
 - 22. VIRING
 - 23. WENG
 - 24. YOYOYO
 - 25. ZIGZAG

SEVERE WEATHER BULLETIN

TROPICAL CYCLONE ALERT

1. A tropical cyclone either forms or develops in the PAG and has a 50% probability of reaching the PAG in the next 24 hours.

2. The PAG is under a 1:100 A.M. (minor) significant damage sustained by the majority of houses.

3. The PAG is under a 1:100 A.M. (minor) significant damage sustained by the majority of houses.

4. The PAG is under a 1:100 A.M. (minor) significant damage sustained by the majority of houses.

WINDS (KPH)

1. Wind speed is expected to be less than 30 kph.

SEA CONDITION (Open Sea)

1. Sea height 1.5 to 2.0 m.

Damage to Structures

1. Fair to slight or no damage to high risk structures.

2. Light to moderate damage to low risk structures.

3. Slight damage to most houses of low light materials or weakly constructed.

WINDS (KPH)

1. 30-40 kph (gusts) to 40-50 kph.

SEA CONDITION (Open Sea)

1. Sea height 2.0 to 3.0 m.

Damage to Structures

1. Fair to slight or no damage to high risk structures.

2. Light to moderate damage to low risk structures.

3. Moderate to severe damage to most houses of low light materials or weakly constructed.

WINDS (KPH)

1. 40-50 kph (gusts) to 50-60 kph.

SEA CONDITION (Open Sea)

1. Sea height 3.0 to 4.0 m.

Damage to Structures

1. Moderate to severe damage to high risk structures.

2. Severe damage to low risk structures.

3. Moderate to severe damage to most houses of low light materials or weakly constructed.

WINDS (KPH)

1. 50-60 kph (gusts) to 60-70 kph.

SEA CONDITION (Open Sea)

1. Sea height 4.0 to 5.0 m.

Damage to Structures

1. Severe damage to high risk structures.

2. Severe damage to low risk structures.

3. Severe damage to most houses of low light materials or weakly constructed.

WINDS (KPH)

1. 60-70 kph (gusts) to 70-80 kph.

SEA CONDITION (Open Sea)

1. Sea height 5.0 to 6.0 m.

Damage to Structures

1. Severe damage to high risk structures.

2. Severe damage to low risk structures.

3. Severe damage to most houses of low light materials or weakly constructed.

WINDS (KPH)

1. 70-80 kph (gusts) to 80-90 kph.

SEA CONDITION (Open Sea)

1. Sea height 6.0 to 7.0 m.

Damage to Structures

1. Severe damage to high risk structures.

2. Severe damage to low risk structures.

3. Severe damage to most houses of low light materials or weakly constructed.

WINDS (KPH)

1. 80-90 kph (gusts) to 90-100 kph.

SEA CONDITION (Open Sea)

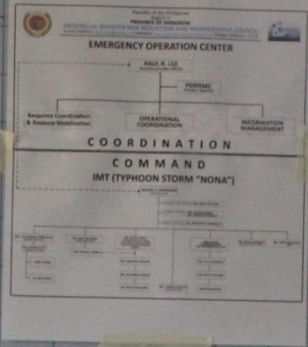
1. Sea height 7.0 to 8.0 m.

Damage to Structures

1. Severe damage to high risk structures.

2. Severe damage to low risk structures.

3. Severe damage to most houses of low light materials or weakly constructed.



5 - JMA
5 - PAGASA

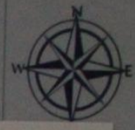


Table with multiple columns and rows, likely a data log or status report. The columns include time, location, and other parameters. The text is small and difficult to read.

Table with multiple columns and rows, likely a data log or status report. The columns include time, location, and other parameters. The text is small and difficult to read.

Tropical Cyclone Classifications

Tropical cyclones derive their energy from the latent heat of condensation which results from the moist air that rises and the rain that falls. The rate of the condensation process is to be having a central sea level pressure of 950 mb or lower and surface winds blowing 100 kph. They reach their greatest intensity within 1000 miles inland from the sea. The intensity of tropical cyclones varies, thus, we can classify them based upon their degree of intensity.

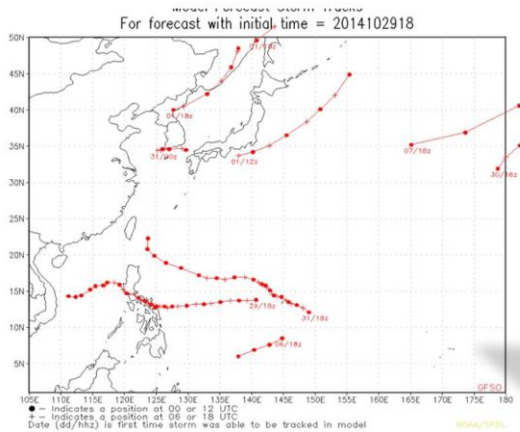
The classification of tropical cyclones depending on the strength of the associated weather system is as follows:

- **Low Pressure Area (LPA) or Tropical Disturbance**
A discrete tropical weather system of apparently organized convection, generally 500 km or less in diameter, originating in the tropics or subtropics, having a well-defined circulation, and exhibiting its activity for 24 hours or more.
- **Tropical Depression (TD)**
A tropical cyclone with maximum sustained winds of up to 62 kilometers per hour (39 miles per hour) or less.
- **Tropical Storm (TS)**
A tropical cyclone with maximum sustained wind speed of 63 to 87 kph or 40 to 54 mph.
- **Severe Tropical Storm (STS)**
A tropical cyclone with maximum sustained wind speed of 88 to 117 kph or 55 to 73 mph.
- **Typhoon (TY)**
A tropical cyclone with maximum sustained wind speed of 118 to 179 kph or 74 to 111 mph.
- **Super Typhoon (STY)**
A tropical cyclone with maximum sustained wind speed exceeding 180 kph or more than 112 mph.

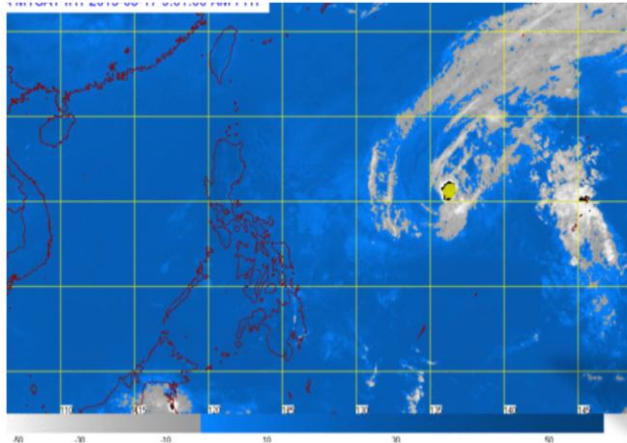


Map Generated using REDAS Software





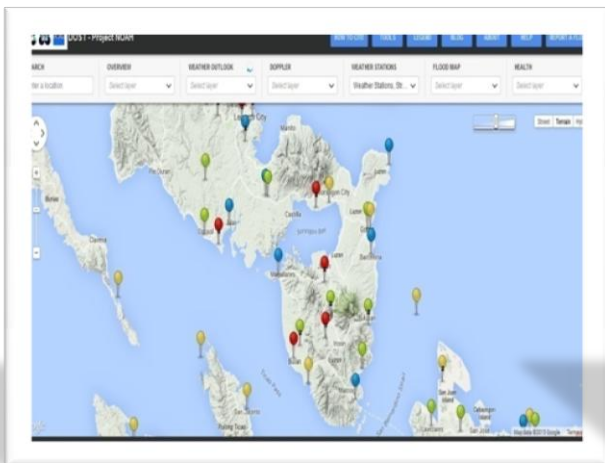
LONG RANGE MODELING SYSTEM



PAGASA



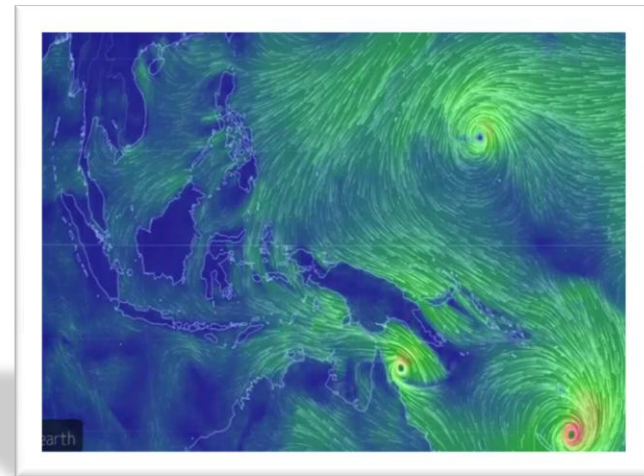
JAPAN METEOROLOGICAL AGENCY



RAINFALL & FLOOD MONITORING DEVICES



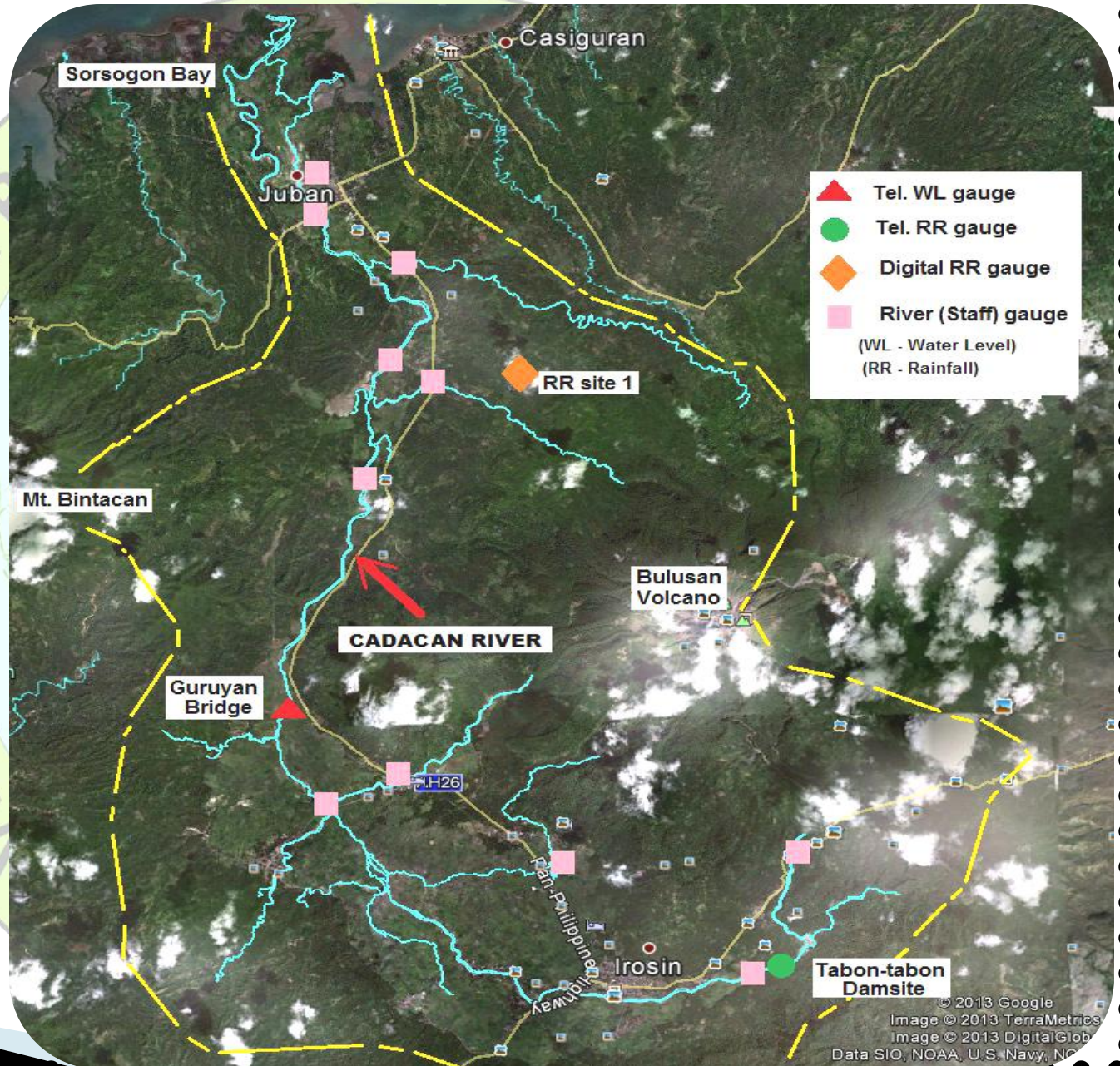
AUTOMATED WEATHER STATION MONITORING



WIND MAP



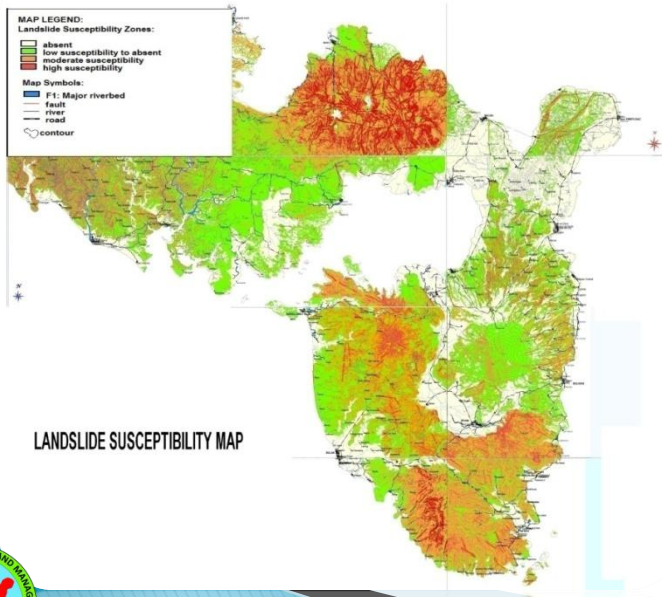
**GIZ Project
For Local Flood
Early
Warning
System
(LFEWS)
for CADAC-AN
River traversing
the
Municipalities
of Irosin &
Juban**



TSUNAMI HAZARD MAP Province of Sorsogon



HAZARD MAP



RISK ANALYSIS

SORSOGON PROVINCIAL DISASTER RISK REDUCTION & MANAGEMENT OFFICE
 PORTLAND Bldg., Central Compound, Sorsogon City

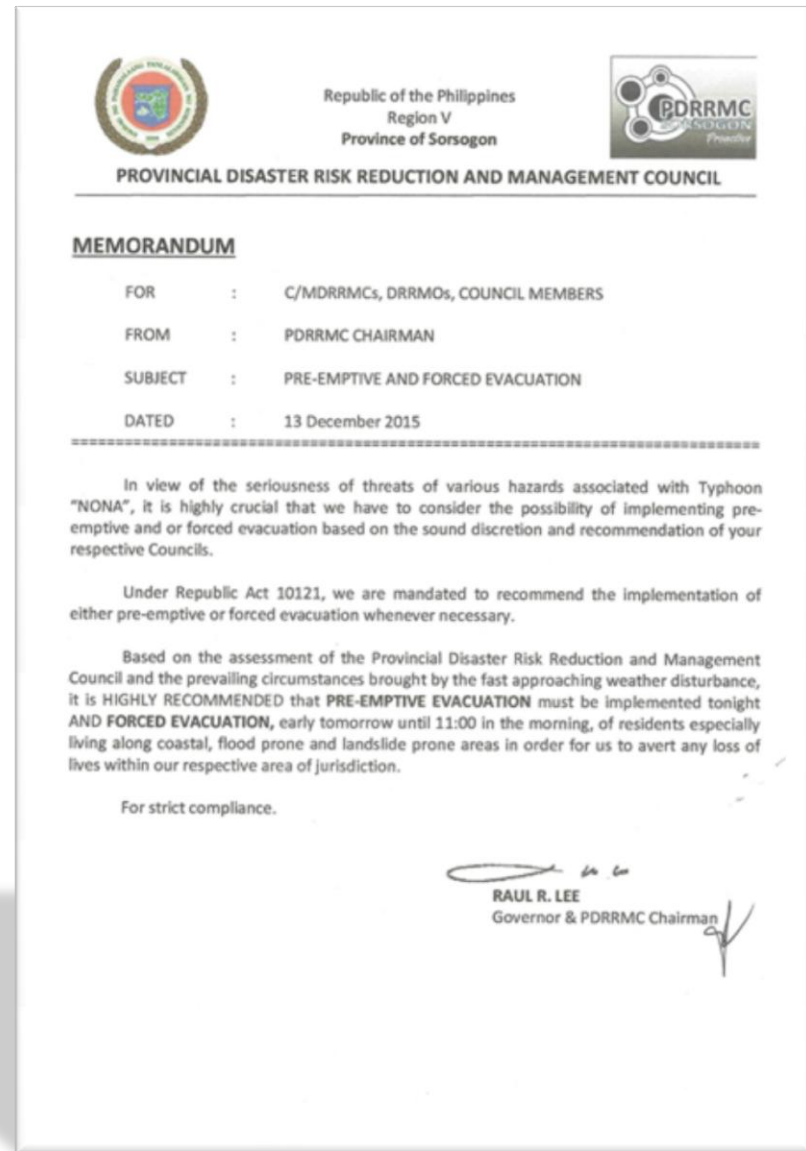
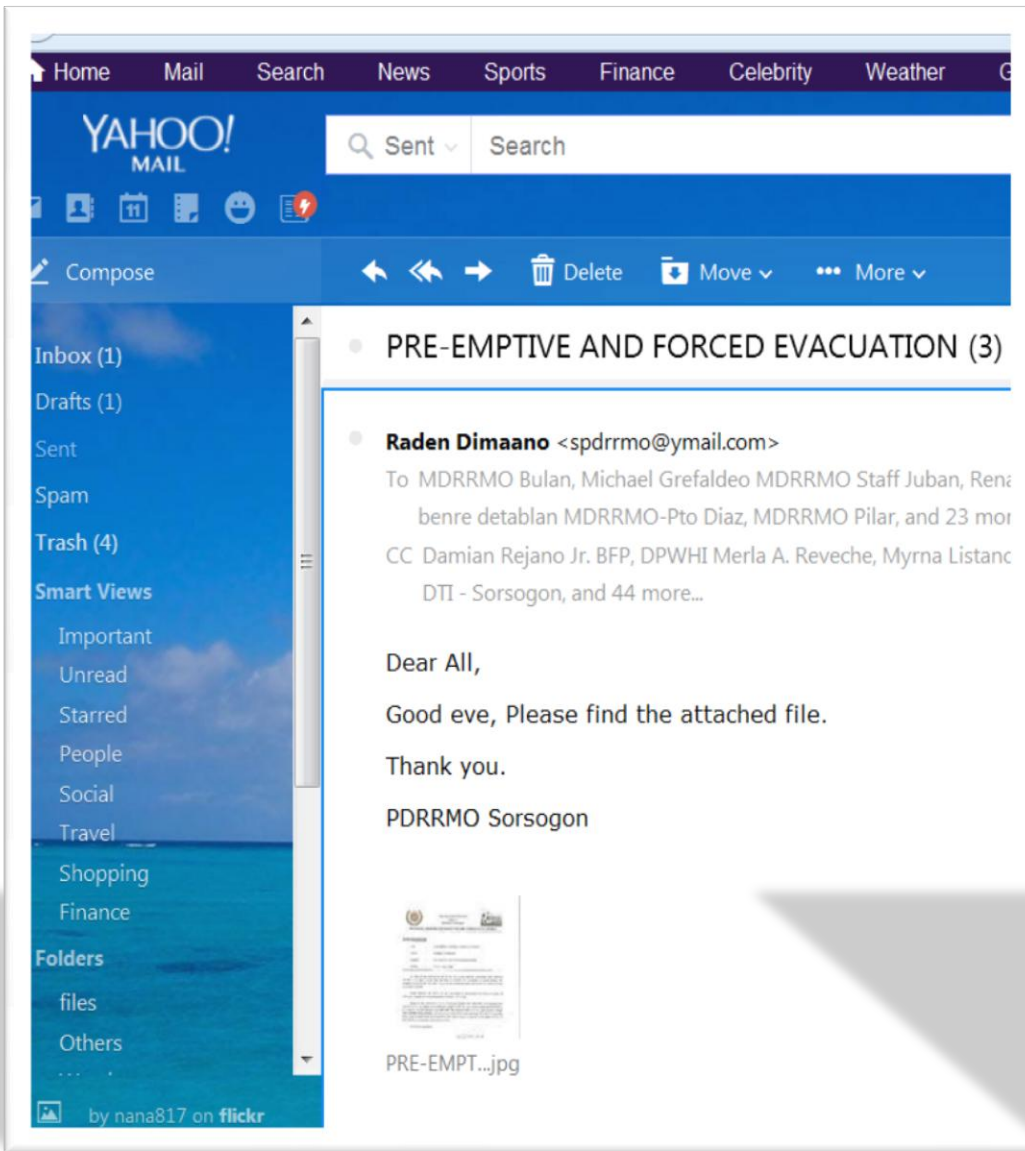
MUNICIPALITY / BARANGAY	TOTAL POPULATION	POPULATION AT RISK			GENDER		PRIORITY VULNERABLE SECTION						REMARKS
		AFFECTED POPULATION	NO. OF HOUSEHOLDS	NO. OF FAMILIES	NO. OF MALE	NO. OF FEMALE	INFANTS (0-3 YEARS OLD)	CHILDREN (4-17 YEARS OLD)	ADULT (18-59 YEARS OLD)	SENIOR CITIZEN (60 YRS OLD ABOVE)	PREGNANT/ LACTATING WOMEN	PERSONS WITH DISABILITY (PWS)	
1. Aguada Norte	1,533	690	125	138	391	359	69	297	276	138	7	3	
2. Aguada Sur	1,142												
3. Anibang	471	94	17	19	45	49	9	28	38	19	1	0	
4. Baco	603	60	11	12	29	31	6	18	24	12	1	0	
5. Baco	992												
6. Baco	1,375												
7. Baco	1,147												
8. Baco	2,336												
9. Binatohan del Norte	871												
10. Binatohan del Sur	647												
11. Bito	1,982												
12. Bulala	497	174	32	35	83	90	17	52	70	35	2	1	
13. Bute	486	73	13	15	35	38	7	22	29	15	1	0	
14. Cadizan	3,157												
15. Capitulo	1,047	105	19	21	50	54	10	31	42	21	1	1	
16. Caghalaba	139	81	15	16	39	42	8	24	32	16	1	0	
17. Cawi Extension	1,981												
18. Cawi Proper	1,051												
19. Dinanga	715												
20. Hubo	802	281	51	56	135	140	28	84	112	56	3	1	
21. Inarayan	1,360	204	37	41	98	106	20	61	82	41	2	1	
22. Laping	692	242	44	48	116	128	24	73	97	48	2	1	
23. Magreder	239	48	9	10	23	25	5	14	19	10	0	0	
24. Matnog	362	57	10	11	28	30	6	17	23	11	1	0	
25. Pantalan	1,249	437	79	87	210	227	44	131	175	87	4	2	
26. Pinal	660	132	24	26	63	69	13	40	53	26	1	1	
27. Piti	1,302												
28. Poblacion	617												
29. Salvacion	1,041	104	19	21	50	54	10	31	42	21	1	1	
30. Santa Elena	1,073												
31. Sutan	1,608												
32. Tagay	511	102	19	20	49	53	10	31	41	20	1	1	
33. Tulatula Norte	860	301	55	60	144	157	30	90	120	60	3	2	
34. Tulatula Sur	645	97	18	19	46	50	10	29	39	19	1	0	
TOTAL	35,443	3,282	597	656	1,575	1,707	328	985	1,313	656	33	16	

POPULATION RISK DATA

RISK ANALYSIS

NAME OF CITY/ MUNICIPALITY	Total Barangay	TOTAL POPULATION	FLOODING			LANDSLIDE			STORM SURGE & TSUNAMI			TYPHOON			BULISAN VOLCANO ERUPTION (Lahar Flow/Pyroclastic Flow)			REMARKS
			No. of Brgys Affected	Families Affected	Population	No. of Brgys Affected	Families Affected	Population	No. of Brgys Affected	Families Affected	Population	No. of Brgys Affected	Families Affected	Population	No. of Brgys Affected	Families Affected	Population	
1. BARCELONA	25	20,340	15	2,570	12,850	15	2,059	10,288	13	2,306	11,532	25	5,633	20,340	6	951	4,752	
2. BULAN	63	93,943	32	12,016	60,082	32	6,708	33,541				63	18,789	93,943				
3. BULISAN	24	22,089	12	2,183	10,914	3	471	2,353	14	2,203	11,013	24	4,418	22,089	21	3,828	19,138	
4. CASIGURAN	25	30,995	16	4,433	22,168	17	4,146	20,737				25	6,199	30,995	8	1,686	8,429	
5. CASTILLA	34	52,903	3	1,756	8,782	3	722	3,606				34	10,561	52,903				
6. DOMSOL	51	47,563	5	1,328	6,640							51	8,513	47,563				
7. GUBAT	42	57,327	29	7,981	39,898	18	4,241	21,199	18	6,456	32,281	42	11,465	57,327	2	526	2,626	
8. IROSIN	28	51,777	10	10,093	47,133	10	2,145	10,723				28	10,355	51,777	23	9,431	49,883	
9. JUBAN	25	30,335	9	3,011	15,054	2	561	2,805				25	6,067	30,335	10	2,541	12,701	
10. MAGALLANES	34	35,443	21	4,804	24,026	18	2,723	13,617				34	7,089	35,443				
11. MATNIG	40	37,641	14	3,403	17,011	14	2,307	11,534	21	4,253	21,267	40	7,528	37,641				
12. PILAR	49	68,245	2	1,143	5,714							49	13,649	68,245				
13. PRIETO DIAZ	23	20,478	21	3,906	19,538	2	258	1,289	19	3,673	18,370	23	4,096	20,478				
14. SANTA MAGDALENA	14	16,520	7	1,912	9,560	3	667	3,335	9	2,129	10,644	14	3,044	16,520				
15. SORSOGON	64	155,144	15	6,646	33,223	4	1,719	8,597	18	5,952	29,763	64	31,029	155,144				
TOTAL	541	740,743	211	67,185	332,193	141	28,727	143,624	112	36,972	134,870	541	149,404	740,743	70	18,963	97,329	

SORSOGON PROVINCIAL RISK ANALYSIS



Issued Memo re Pre-emptive & Forced Evacuation



Public Information System



USER LOGIN

Email Address

Password

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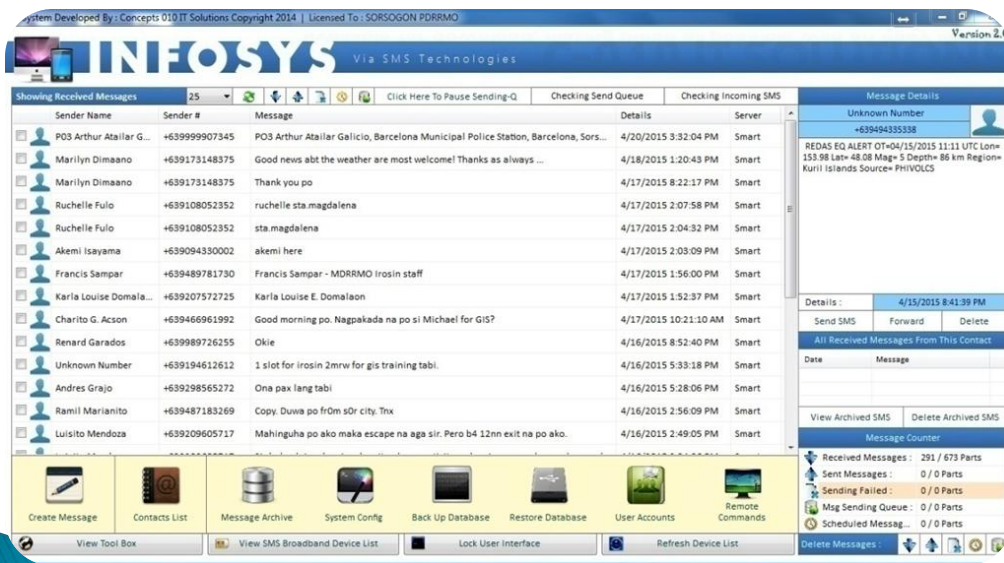
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Showing Received Messages	25	Click Here to Pause Sending-Q	Checking Send Queue	Checking Incoming SMS	Message Details
Sender Name	Sender #	Message	Details	Server	Unknown Number +63949433338
PO3 Arthur Atallar G ...	+639999907345	PO3 Arthur Atallar Galicico, Barcelona Municipal Police Station, Barcelona, Sors...	4/20/2015 3:32:04 PM	Smart	REDAS EQ ALERT OT=04/15/2015 11:11 UTC Lon= 153.98 Lat= 48.08 Mag= 5 Depth= 86 km Region= Kuril Islands Source= PHIVOLCS
Marilyn Dimaano	+639173148375	Good news abt the weather are most welcome! Thanks as always ...	4/18/2015 1:20:43 PM	Smart	
Marilyn Dimaano	+639173148375	Thank you po	4/17/2015 8:22:17 PM	Smart	
Ruchelle Fulo	+639108052352	ruchelle sta magdalena	4/17/2015 2:07:58 PM	Smart	
Ruchelle Fulo	+639108052352	sta magdalena	4/17/2015 2:04:32 PM	Smart	
Akemi Isayama	+639094330002	akemi here	4/17/2015 2:03:09 PM	Smart	
Francis Sampar	+639489781730	Francis Sampar - MDRMO Irosin staff	4/17/2015 1:56:00 PM	Smart	
Karla Louise Domala...	+639207572725	Karla Louise E. Domalaon	4/17/2015 1:52:37 PM	Smart	
Charito G. Acson	+639466961992	Good morning po. Nagpakada na po si Michael for GIS?	4/17/2015 10:21:10 AM	Smart	
Renard Garados	+639989726255	Okie	4/16/2015 8:52:40 PM	Smart	
Unknown Number	+639194612612	1 slot for Irosin 2mrv for gis training tabi.	4/16/2015 5:38:18 PM	Smart	
Andres Grajo	+639298565272	Ona pax lang tabi	4/16/2015 5:28:06 PM	Smart	
Ramil Marianito	+639487183269	Copy Duwa po from s0r city. Tnx	4/16/2015 2:56:09 PM	Smart	
Luisito Mendoza	+639209605717	Mahinguha po ako maka escape na aga sir. Pero b4 12nn exit na po ako.	4/16/2015 2:49:05 PM	Smart	

Message Details: 4/15/2015 8:41:39 PM
Send SMS Forward Delete
All Received Messages From This Contact
Date Message
View Archived SMS Delete Archived SMS
Message Counter
Received Messages: 291 / 673 Parts
Sent Messages: 0 / 0 Parts
Sending Failed: 0 / 0 Parts
Msg Sending Queue: 0 / 0 Parts
Scheduled Message: 0 / 0 Parts
Delete Messages

PROVINCE OF SORSOGON



DISASTER RISK REDUCTION
FM RADIO 105.5 MHZ

FM RADIO 105.5 MHZ
DISASTER RISK REDUCTION



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SMART INFOBOARD: For SMS Text Blasting



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Textcast Mobile Office Gateway Feedback Mobile Exchange Quick Poll

Broadcast Content Management - PDRRMO

SECTIONS

Compose Broadcast Mode: Immediate Scheduled

Drafts (0)
 Outbox (0)
 Sent (1378)

Free Text Balance: 13929.00
 Prepaid Load Balance: 0

Subject:

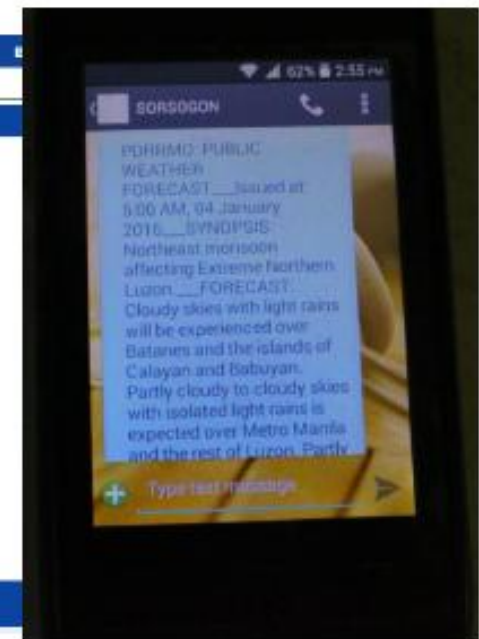
Message:

Header and Tariff will be included in the message
 Characters

Attach Image (For Smart Subscribers only)

Image:

Preview



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Version 2.0

INFOSYS

Via SMS Technologies

Showing Received Messages 25
Click Here To Pause Sending-Q
Checking Send Queue
Checking Incoming SMS

Sender Name	Sender #	Message	Details	Server
<input type="checkbox"/> PO3 Arthur Atallar G...	+639999907345	PO3 Arthur Atallar Galicio, Barcelona Municipal Police Station, Barcelona, Sors...	4/20/2015 3:32:04 PM	Smart
<input type="checkbox"/> Marilyn Dimaano	+639173148375	Good news abt the weather are most welcome! Thanks as always ...	4/18/2015 1:20:43 PM	Smart
<input type="checkbox"/> Marilyn Dimaano	+639173148375	Thank you po	4/17/2015 8:22:17 PM	Smart
<input type="checkbox"/> Ruchelle Fulo	+639108052352	ruchelle sta.magdalena	4/17/2015 2:07:58 PM	Smart
<input type="checkbox"/> Ruchelle Fulo	+639108052352	sta.magdalena	4/17/2015 2:04:32 PM	Smart
<input type="checkbox"/> Akemi Isayama	+639094330002	akemi here	4/17/2015 2:03:09 PM	Smart
<input type="checkbox"/> Francis Sampar	+639489781730	Francis Sampar - MDRMO Irosin staff	4/17/2015 1:56:00 PM	Smart
<input type="checkbox"/> Karla Louise Domala...	+639207572725	Karla Louise E. Domalaon	4/17/2015 1:52:37 PM	Smart
<input type="checkbox"/> Charito G. Acson	+639466961992	Good morning po. Nagpakada na po si Michael for GIS?	4/17/2015 10:21:10 AM	Smart
<input type="checkbox"/> Renard Garados	+639989726255	Okie	4/16/2015 8:52:40 PM	Smart
<input type="checkbox"/> Unknown Number	+639194612612	1 slot for irosin 2mrw for gis training tabi.	4/16/2015 5:33:18 PM	Smart
<input type="checkbox"/> Andres Grajo	+639298565272	Ona pax lang tabi	4/16/2015 5:28:06 PM	Smart
<input type="checkbox"/> Ramil Marianito	+639487183269	Copy. Duwa po fr0m s0r city. Tnx	4/16/2015 2:56:09 PM	Smart
<input type="checkbox"/> Luisito Mendoza	+639209605717	Mahinguha po ako maka escape na aga sir. Pero b4 12nn exit na po ako.	4/16/2015 2:49:05 PM	Smart

Message Details

Unknown Number
+639494335338

REDAS EQ ALERT OT=04/15/2015 11:11 UTC Lon=153.98 Lat= 48.08 Mag= 5 Depth= 86 km Region= Kuril Islands Source= PHIVOLCS

Details: 4/15/2015 8:41:39 PM

Send SMS Forward Delete

All Received Messages From This Contact

Date	Message

View Archived SMS Delete Archived SMS

Message Counter

- Received Messages : 291 / 673 Parts
- Sent Messages : 0 / 0 Parts
- Sending Failed : 0 / 0 Parts
- Msg Sending Queue : 0 / 0 Parts
- Scheduled Messag... 0 / 0 Parts

Delete Messages :

Create Message

Contacts List

Message Archive

System Config

Back Up Database

Restore Database

User Accounts

Remote Commands

View Tool Box

View SMS Broadband Device List

Lock User Interface

Refresh Device List

INFOSYS: For Text Messaging





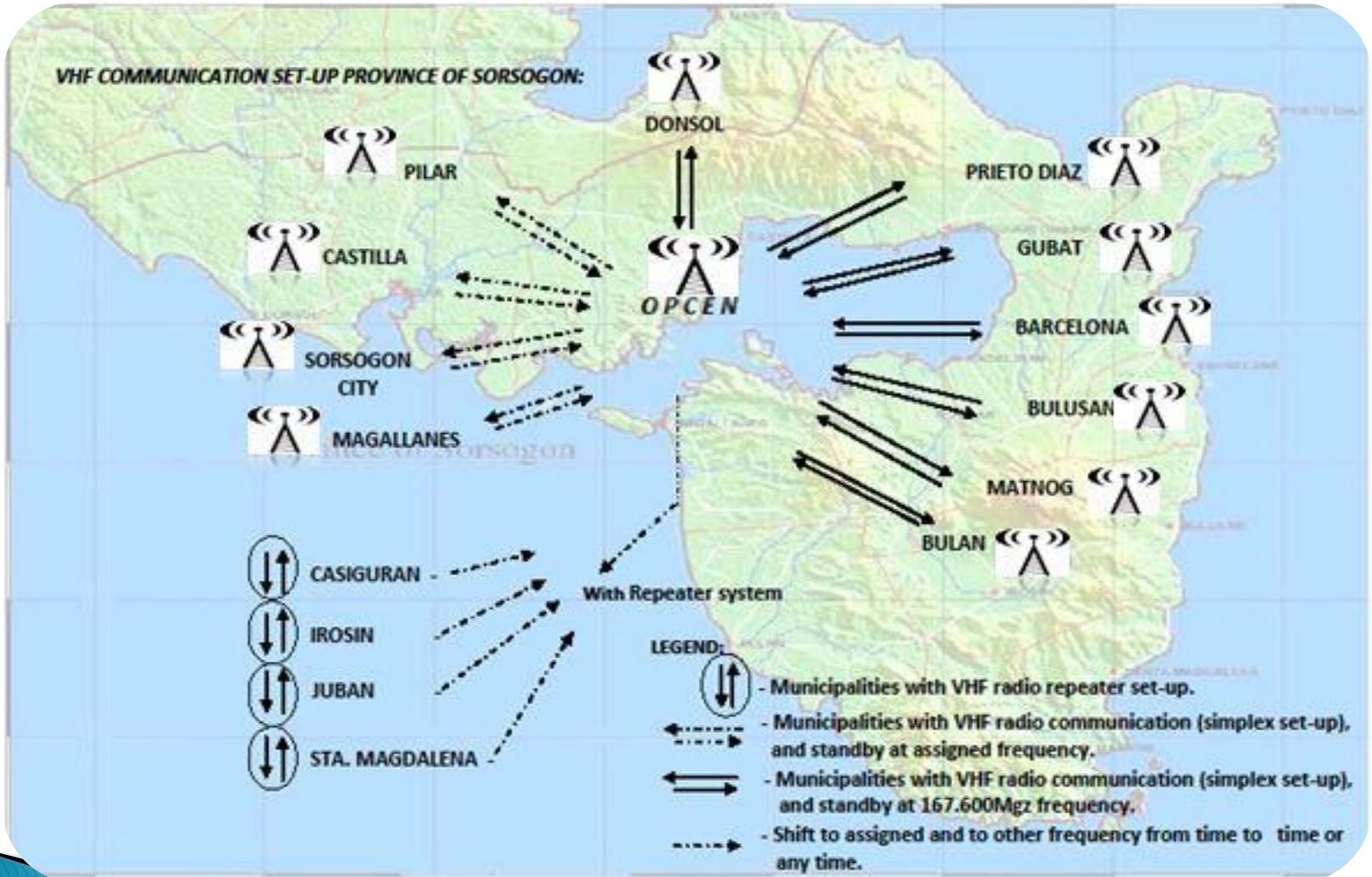
DRR Broadcast Radio



**Information Dissemination
re Weather Disturbance**



PROVINCEWIDE DRRM RADIO COMMUNICATION SYSTEM



SIMPLEX & REPEATER SYSTEM



COMMUNICATION LINK



Welcome to PARA website

The Philippine Amateur Radio Association (PARA) is a national non-profit organization for amateur radio enthusiasts in the Philippines. Key membership benefits of PARA

Announcements

- International Friendship Exchange and DX (INFEX) Contest 2016

Philippine Amateur Radio Association (PARA)

How HERO did it.



Now it can be told. HERO is the Ham Emergency Radio Operations formally launched upon the unveiling of the logo design contest winner during the 82nd Anniversary of the Philippine Amateur Radio Association (PARA) Inc. – the Philippine national association for the amateur radio service.

Preparations

HERO was activated on December 4, 2015 when it became imminent that typhoon Hagupit (local name Ruby) will make landfall somewhere in the Visayas region. It was to be a live test for HERO with Super Typhoon Yolanda in mind.

Upon its activation, a lot of traffic was devoted to trying to muster hams on the 40-meter band (the PARA center of frequency on 40 meter is at 7.095 MHz). Members were advised to start building up on their redundant power supplies such as generators, solar panels, batteries and other imaginable means available as power sources. Owing to the large swathe of typhoon Ruby, it was expected to be almost like Haiyan/Yolanda. There were striking similarities. Initially, Districts 4, 5 and 9 as well as Districts 6, 7 and 8 were alerted.



Both Ruby and Yolanda came from the lower quadrant of the typhoon belt. Both were packing winds more than 200 kph near the center. Both had huge footprint or diameter, with Ruby estimated to be around 600 kilometers. Both were expected to generate 3 to 6 meters storm surges and were definitely considered dangerous to lives and properties.

Government was not leaving anything to chance and there were plans to forcibly evacuate people along the typhoon track especially those in the coastal area. Ham operators were not



ADVISORIES



Republic of the Philippines
Region V
Province of Sorsogon



SORSOGON PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT OFFICE
E-mail Address: sdrrmo@gmail.com Website: www.provinceofsorsogon.com Telefax: (056)421-5724

MEMORANDUM


FOR : CITY AND MUNICIPAL DRRMOs
FROM : PDRRMO
SUBJECT : Weather Monitoring
DATE : 08 December 2015

The weather monitoring section of the Provincial Disaster Risk Reduction and Management Office (PDRRMO-Sorsogon) is currently monitoring the weather condition in the west pacific region through some available forecasting models.

Although no official bulletin has been released yet to confirm the likelihood of any impending weather disturbance that can affect the Philippine archipelago, we are reminding all concerned to please conduct a monitoring of the trough in the pacific region and the possibility of a conversion to a weather disturbance in next coming days.

For your immediate and ready reference, we have hereto attached an advanced model forecast storm track that indicates the movement of a possible weather disturbance coming from the pacific region.

Thank you.


RADEN D. DIMAANO
PDRRMO

- Dilg provl office
- ORO's lang City

"Reducing your Risks"



Republic of the Philippines
Region V
Province of Sorsogon



PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

MEMORANDUM

FOR : DPWH I & II, PEO, 903rd Infantry Brigade, 31st Infantry Battalion, PNP, BFP, PHO, 505th CDC, PCG
FROM : PDRRMC Chairman
SUBJECT : Submission of Resources
DATE : 11 December 2015

Compelled by the developing weather disturbance in the Pacific Region that might affect the Bicol Region in next couple of days, the Council is in the process of doing the inventory of resources to number our means of support in case a response action will have to be performed before, during and after the occurrence of the said weather disturbance assuming the Province of Sorsogon will be greatly affected. Moreover, there is a need for us to know where to secure resources if the circumstances require it.

Therefore, please email the PDRRMO-Sorsogon thru sdrrmo@gmail.com your respective report on resources and assets available for proper inventory and categorization.

Your immediate response to this request will be greatly appreciated.

Thank you.


RAUL R. LEE
Governor & PDRRMC Chairman



Republic of the Philippines
Region V
Province of Sorsogon



PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

MEMORANDUM


FOR : PDRRMC MEMBERS
FROM : PDRRMC CHAIRMAN
SUBJECT : RED ALERT STATUS re WEATHER DISTURBANCE "96W"
DATE : 11 DECEMBER 2015

In view of the Weather Disturbance in the Pacific Region that is seen by International Weather Forecasting Agencies to affect directly the Bicol Region within the next few days, you are hereby encouraged to make corresponding proactive measures such as early preparedness actions and consider the implementation of respective contingency plans.

Likewise, kindly furnish the PDRRMO-Sorsogon your report regarding actions taken relative to the weather disturbance for consolidation and reporting procedures.



For your consideration and compliance.

Thank you.


RAUL R. LEE
Governor & PDRRMC Chairman



ADVISORIES

Republic of the Philippines
Region V
Province of Sorsogon
SORSOGON PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT OFFICE
E-mail Address: psdrmo@sorsogon.gov.ph Website: www.provinceofsorsogon.gov.ph Telefax: (059)423-5734

MEMORANDUM

FOR : **Dr. BERNARDO R. ALEJANDRO IV**
Office of the Civil Defense 5

FROM : PDRRMC

SUBJECT : Consolidated Preparedness Measures Taken re TS "NONA"

DATE : 12 December 2015

Source: PDRRMC Members, DRRMC, DRRMOs, PAGASA

I. SITUATION OVERVIEW

As of 4:00 AM today, the center of Tropical Storm "NONA" was estimated based on all available data at 1,110 km East of Masao, Southern Leyte (10 2' N, 135.0 03' E) with maximum sustained winds of 65 kph near the center and gustiness of up to 80 kph while it is forecast to move West NorthWest at 25 kph.

No public storm warning signal yet has been raised in the entire archipelago.

II. PREPAREDNESS MEASURES TAKEN & BEING UNDERTAKEN

PDRRMO-SORSOGON

- On December 7, 2015, the Weather Monitoring Section of this Office closely monitored the then developing group of clouds bounded within a trough coming from the Pacific Region;
- On December 8, 2015, this Office issued Weather Advisory to all DRRMOs informing them of what we have monitored and similarly take into consideration the possibility of developing the same into a weather disturbance;
- Informed our pool of human resources of the development;
- Conducted timely plotting of the coordinates provided on the typhoon tracking chart as we step up the manner of monitoring the weather disturbance which is now categorized as Tropical Depression by some International Forecasting Agencies;

- Thru the INFOBOARD System, disseminate to all individuals and concerned person listed in our database the 24-hour weather forecast of the PAGASA.

MDRRMO BULLASAN

- Continuous monitoring of the weather disturbance since December 9, 2015
- Send weather advisory to Municipal Disaster Risk Reduction and Management Council and Barangay Disaster Risk Reduction and Management Chairman to give update of the looming weather disturbance and remind to conduct their own monitoring strategy and take the necessary preparatory steps;
- Remind MDRRMC and BDRRMC to prepare measures for the possible entry of TS MELOR once it entered the Philippine Area of Responsibility;
- Round the clock close monitoring on all accessible international weather forecasting bureaus for updates and information as to the status of Tropical Storm MELOR
- Continuous dissemination of information and updates using different means of communication.
- Maintains close coordination with MDRR Council Members and BDRRMC Chairman.

MDRRMO-PILAG

- 24/7 close monitoring of the weather disturbance
- Issued Advisory No. 1 to all concerned within its area of jurisdiction
- Zero casualty is being set as an objective

CORRMO-SORSOGON CITY

- SCERT is on alert status;
- Equipment and vehicles are prepared;
- Continuous monitoring of the weather disturbance;
- Weather advisories of PAGASA are disseminated thru infoboard;

MDRRMO-PRIOETO DIAZ

- Conducts monitoring of the weather disturbance;
- Keeps updated with advisories from various agencies;
- Disseminates weather updates to 23 barangays.

MDRRMO-MATHOG

- Conducts weather monitoring
- Advised all barangays and all concerned to monitor and take the necessary precautionary measures.

MDRRMO-BULAN

- initiated alert of information and public awareness of the impending severe weather disturbance thru radio broadcast for all MDRRMC Members and 63 BDRRMC Leaders;
- MSWDO, GSO, RHU conducted prepositioning of goods and equipment;
- Constant monitoring.

MDRRMO-CASTILLA

- Send advisories to all concerned regarding TS NONA and instruct them to monitor every developments regarding the weather disturbance;
- Informed LDRRMC Members of the instruction of the LDRRMC Chairman regarding the assembly of the members on Monday at 9AM to be held at the Mayor's Office;
- Continuous monitoring of the weather condition.

MDRRMO-BARCELONA

- Dec. 9, 2015 – monitored LPA outside PAR
- Dec. 10, 2015 – monitored trough of LPA affecting eastern & southern Mindanao;
- Dec. 11, 2015 – LPA developed into a Tropical Depression
- Send weather advisories to BDRRMCs
- Continuous monitoring
- Forwarded weather bulletin from PDRRMO-Sorsogon to BDRRMCs

BFP-SORSOGON PROVINCIAL OFFICE

- In connection with the above reference, BFP Sorsogon Provincial Office and all fire stations as operating units is hereby alerted and placed into **FULL ALERT STATUS (Code RED)** effective 11:30PM December 2015.
- Further, **OPLAN PAGHALASA** is hereby activated province wide with the following additional instructions, to wit:
 - All operating units shall undertake proactive steps in partnership and coordination with the City and Municipal Disaster Risk Reduction and Management Council; concerned AFP, PNP, LGU's and other Government and Non-Government Agencies relevant to the delivery of fire safety, rescue/ emergency medical services and disaster related operations.
 - All officers and key personnel of this office and fire stations must be ready on call anytime and extend assistance in case of emergencies and other eventualities, and shall ensure availability of fire, rescue/emergency medical personnel, apparatus and auxiliary units to suit operational needs.

c. All personnel **MUST BE PRESENT** to ensure prompt and effective delivery of fire safety, rescue/emergency medical services and relief operations.

d. Fire Marshals shall ensure that required actions contained in the DILG OPLAN LISTO-LGU Disaster Preparedness Manual Checklists for M/GOOD, COP, and FIRE MARSHALS (FMs) will be properly undertaken if situation warrants, and

e. Fire Marshals shall observe Special Operations and Disaster Management under BFP Operational Procedures Manual.

III. RESOURCES

A. BFP RESOURCES ASSESSMENT/INVENTORY

STATION/ OFFICE	Number of Personnel	FIRE-FIGHTING EQUIPMENT/APPARATUS						
		FIRE TRUCKS	FIRE HOSES	FIRE NOZZLE	SECTION HOSE	BOOTS	PROTECTIVE GEAR HELMETS	
Sorsogon Provincial Office	15					2	2	8
Bulan Fire Sta	13	3	12	4	3	12	8	9
Bullasan Fire Sta	1		6	1		1	1	1
Castilla Fire Sta	1		1			1	1	1
Castilla Fire Sta	1		1			1	1	1
Donato Fire Sta	12	2	20	2	2	6	1	1
Gubat Fire Sta	11	1	20	3	4	6	5	7
Impos Fire Sta	10	1	18	2	2	6	7	8
Juban Fire Sta	10	1	11	2	2	5	8	7
Magallanes Fire Sta	2		4	2	1	1	2	1
Matig Fire Sta	7	2	10	1	4	3	5	7
Plar Fire Station	10	3	20	5	4	11	8	14
Puerto Sta F/On	1					1	1	1
Sta. Magdalena FS	1					1	1	1
Sorsogon City F/On	40	4	42	12	4	22	17	28
TOTAL	144	17	174	38	28	79	71	93

B. PROVINCIAL DISASTER & EMERGENCY RESPONSE GROUP (PDERG) RESOURCES

Team Viking	Team Urvan	Team Vulcan
Joeben Morales - TL Eduardo Doina Ramon Lactao Jr. Amado Dimasano Jr.	Miguel Vasquez - TL Christopher Doloiras Alwayne Dean Delgado Willem Wilbert Jayco Jessie Sta. Ana Jr.	Ely Detera - TL Angelo Peralta Benmy Villanueva Rommel Gonzalvo Jeffrey Dipad

C. 903rd INFANTRY BRIGADE and 31st INFANTRY BATTALION

3 6x6 Trucks
3 Disaster Response Platoons

D. DPWH

2 FT (Forward Truck)
1 DT (Dump Truck)
1 CT (Center Truck with Boom Forward)
2 LDR
1 (Foton Loader)
1 (Kawasaki Loader)
Road Grader
3 units of Chainsaw

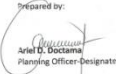
IV. SUMMARY

Hand in hand the Provincial Disaster Risk Reduction and Management Council and the Provincial Disaster Risk Reduction and Management Office including the City & Municipal Disaster Risk Reduction and Management Councils/Offices have already undertaken the corresponding proactive measures to ensure an effective and efficient preparedness stance aimed towards the effect of Tropical Storm NONA.


Subsequent report will soon follow as we continue to gather updates from all concerned.

For your guidance and reference.

Prepared by:


Arnel D. Dacuna
Planning Officer-Designate

Approved for Submission:


BADEN D. DIMASANO
PDRRMO

"Reducing your Risks"



Duties and Responsibilities Before, During and after the Occurrence of Typhoon

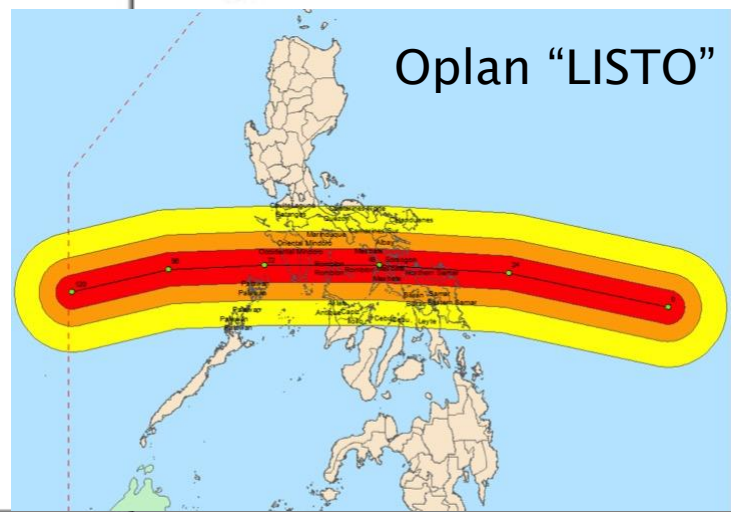
Calamity	Responsible Person	Action to be Taken	Output	Remarks
Looming Weather Disturbance at Pacific Region Whether Outside or Within Philippine Area of Responsibility.	Mr. Raden Dimaano	-Standby at SPDRRMO, -Monitor updates for immediate action. -Informed/reminds the members of the Provincial IMT. (Recommending the ACTIVATION OF INCIDENT MANAGEMENT TEAM during response)	-C/MDRRMOs properly coordinated. -Coordinate preparedness, response cluster and the Operation and Warning Officer for possible deployment or action volunteers groups or SAR. -Informed the PDRRMC Chairman the status of weather.	Systems, linkages and coordination work smoothly.
	Mr. Joefel E. Lopez	-Standby at PDRRMO -Monitors all available forecast of foreign and local weather forecasting bureaus -Monitors AWS and ARGs, -Transmit informative message/post at website/weather assessment and forecast through SMS	Timely update, specific location or coordinates, possible path and the description of weather disturbances.	The public is informed.
	Mr. Ariel Doctama	-Standby at OpCen - Prepares plans, strategies aimed at every calamity or emergencies upon advice of the PDRRMO. - Prepares communication letters, weather advisories, and other information for dissemination	Prepared advisories for information dissemination and other compliance report for submission.	Prompt availability of data and reports.
	Mr. Jose Romeo Jeremias	-Standby at OpCen, -Maintain coordination with all resources. -Provide instructions, directives and strategies for SAR -Oversee the execution of strategies or plans	Proper coordination is maintained as well as proper execution of plans attained	Overlapping of command instruction is avoided
	Ms. Vivian Sincero/ Ms. Rowena Jardiolin	-Standby at SPDRRMO -Prepares clerical and administrative function.	All information are properly dispatched and received.	Reports are dispatched and complied properly

Calamity	Responsible Person	Action to be Taken	Output	Remarks
	Mr. Dulcesimo Espinola Mr. Rolly Delloso	-Standby at SPDRRMO, -Maintain contact with all C/MDRRMOs thru radio communication system. -Transmit weather forecast thru Radio Communication System	Good linkages with MDRRMO and resources/responders; Working VHF radios.	Good communication linkages to other government and private agencies/NGO and other Radio Enthusiast Group/Radio Civic Organization is maintained.
	PDERG	-On standby at the OpCen -Coordinate with the Division Head for instructions -Pre-positioning of assets or resources for deployment -Execute the operational plans	Timely conduct and execution of response plans and availability of responders as the need arises	Immediate response provided
	Mrs. Lorie May Maligaso Mr. Dulcesimo Espinola Mr. Rolly Delloso	IEC/Live Broadcast on DRR Radio.	Good Broadcast Signal.	ON AIR.
	Mr. John Patrick Novino Ms. Johann Delloso	Monitor and Record details of Early Warning System. Constant monitoring of weather.	Recorded Data with possible incident.	Threshold upgraded for reference and forecasting.
	RESOURCES: 903 rd Infantry Brigade, PA 31 st Infantry Battalion, PA PNP (Provincial Command) Bureau of Fire Protection (Provincial Office) Philippine Coast Guard (Sorsogon District Station) PEO (Prov'l Engineering Office) DPWH I DPWH II SORECO I SORECO II Philippine Red Cross (Sorsogon) PHEMS	Standby for possible action		Sufficient resources readily available for deployment



5 AM DECEMBER 13, 2015
POTENTIAL RISK AREAS FOR
STS NONA (MELOR)

AREAS AFFECTED	WINDS & RAINFALL	PROVINCES	POTENTIAL IMPACTS DUE TO SEVERE WIND
<p align="center">ALERT LEVEL "50KM Radius from the forecast track"</p>	<p align="center">61-65kph</p>	<p align="center">Albay Eastern Samar Masbate Northern Samar Occidental Mindoro Oriental Mindoro Palawan Romblon Samar</p> <p align="center">SORSOGON</p>	<ul style="list-style-type: none"> ❖ Storm Surge of about 3 to 4 meters high over coastal areas. ❖ Heavy damage to agriculture ❖ Some large trees uprooted ❖ Majority of nipa and cogon houses unroofed or destroyed considerable damage to structures of light to medium construction ❖ Moderate to heavy disruption of electrical power and communication services ❖ Travel by land, sea and air is dangerous
	<p>Rainfall: Moderate-Heavy</p>		



EMERGENCY MEETING & BRIEFING

- ▶ Activation of Sorsogon IMT
- ▶ Designate ICP/EOC
 - Staging Area
- ▶ Operational Briefing
 - Assigned area (Designated area of Assignment)
- ▶ Creation of TF(Task Force)
- ▶ Issuance of Pre-emptive & Forced Evacuation

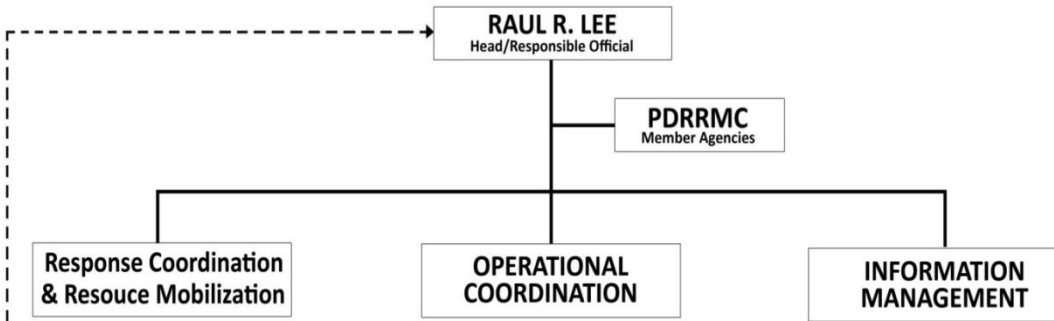
ICP/EOC



Republic of the Philippines
Region V
PROVINCE OF SORSOGON
PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL
E-mail Address: spdrmo@gmail.com Website: www.provinceofsorsogon.com Telefax: (056)421-5724

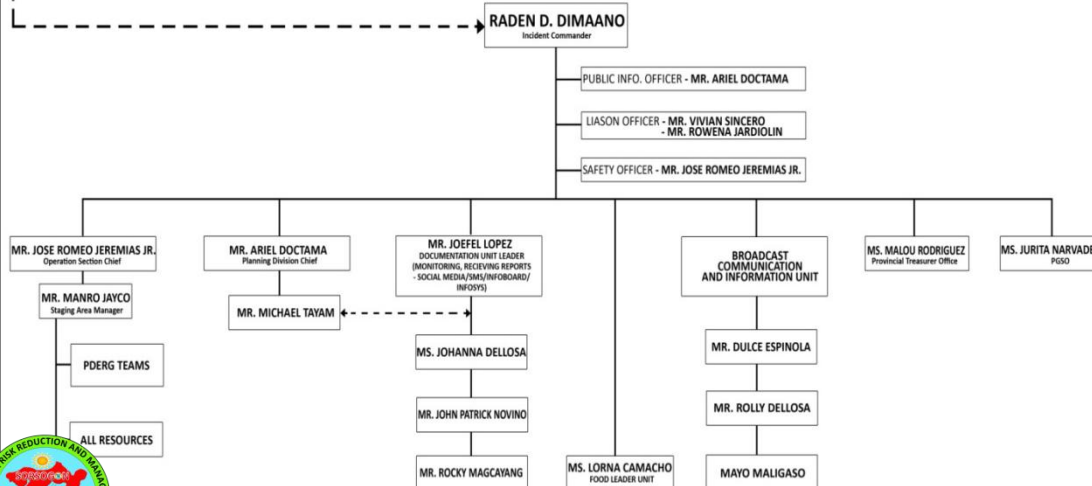


EMERGENCY OPERATION CENTER



COORDINATION

COMMAND IMT (TYPHOON STORM "NONA")

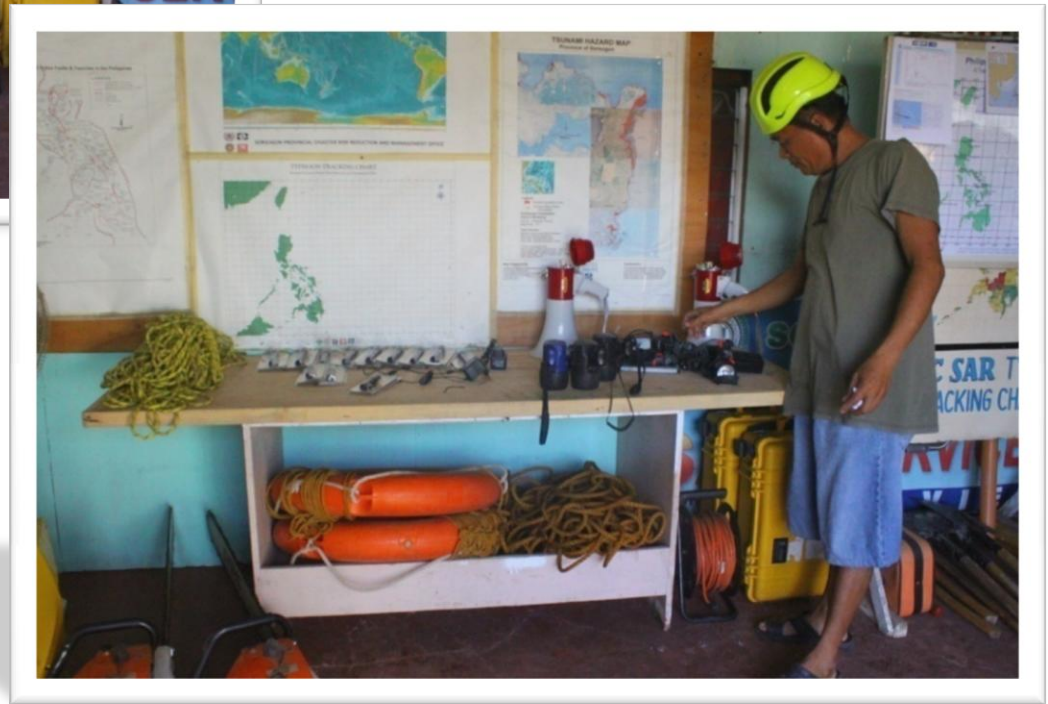


ICP/EOC



STAGING AREA





Prepositioned Assets



Prepositioned Assets





Check-in Procedures of Resources



INCIDENT NAME: TS NONA

DATE

TIME

RESOURCES IDENTIFIER	NAME OF LEADER	CONTACT NUMBER	No. of personnel	Reporting location/ area of assignment	Vehicles/supplies	Reporting location/ area of assignment	remarks
003R/c PA	SSG ORIAS	09063021754	8 1B	OPEN SEC	SJE 468	OPEN SECURITY	advance
31B, 91D PA	PT BANY	0901258188	19/10	OPEN	SKN 193	OPEN	ACTIVE
CGS SDR	SCPO	09090841288	2 REG 7		AB-214 212	CGS SCH	ACTIVE
CGS MATUDG	ADVINCULA	09090841181	2 TRNG		AB-206	CGS MATNG	ACTIVE
CGS BLW	PCG	09090841113	2 TRNG		AB-211	CGS BULAN	ACTIVE
CGS DYNOL		09090841276	2 TRNG		AB-215	CGS DOKOL	ACTIVE
BEP PKOV	CINSP D. REJANO	09090841186	1A4		17 TIRE TRUCK	C-PTA'S	ACTIVE
	FOJ DOLDRAS	09090841111	11 PPL				
PNP, CPSC	PI VILLANUEVA	09090841115	2 KAY 17		CAH - 202		ACTIVE
SAR PEVZ	IRBEN DIMAYAN	090908411581	3D DTR				ACTIVE
PEO	GILBERT DILLERA	09093081193	6		LOADER		ACTIVE
PN (C) Volante	CANCHERZ JOSHUA	09090841162	1				ACTIVE
HEFAS	EMUDE DELTA	090908412074	7		AMBULANCE	ONLY MED. 1	ACTIVE
PEO					1 PICK-UP		ACTIVE
					3 DUM TRUCK		ACTIVE
PPDD	IZOY LAGARDE		1				ACTIVE

ATTENDANCE

TYPHOON "NONA"

DEC. 13, 2015

NAME	SIGNATURE	OFFICE/DESIGNATION	E-MAIL ADDRESS	CONTACT #
OBIAZ		903 BDE 91D, PA		
BERMIDO		903 BDE 91D, PA		
LUJZA		903 BDE 91D, PA		
SERGO		903 BDE 91D, PA		
MACALTAO		903 BDE 91D, PA		
BANUA UR		903 BDE 91D, PA		
BLAY		91B, 91D, PA		
SAPUAN		31B, 91D, PA		
ALBAO		31B, 91D PA		
FOLBIA		31B, 91D PA		
FANUA		" " "		
DEBIAO		" " "		

Check-in Procedures of Resources

ATTENDANCE

NAME	SIGNATURE	OFFICE/DESIGNATION	E-MAIL ADDRESS
1. PFC JONAN MORALES		31B 91D PA	
2. CPL ARIEL SANCHEZ		31B 91D PA	
3. CPL CHRISTOPHER MEDRICE		"	
4. CPL IGNAS FF		31B 9D PA	
5. PFC CASTILLO JESSE		31B 9D PA	
6. PFC PEDI MONTE MICHAEL		31B 9D PA	
7. CPL ARMANDO M SAYSUM		31B, 91D, PA	
8. PO1 JECILLE HUBILLA		CPSC, SOR PPO, PNP	
9. PO1 SPANINA F SAYSUM		SPSC, SOR PPO, PNP	
10. P1 VARGAS MARK JACON D		SPSC, SOR PPO, PNP	
11. PO1 BARRERA ALERIE B		SPSC, SOR PPO, PNP	
12. P1 LIAO, LEO CARLO J		CPSC, SOR PPO, PNP	

ATTENDANCE

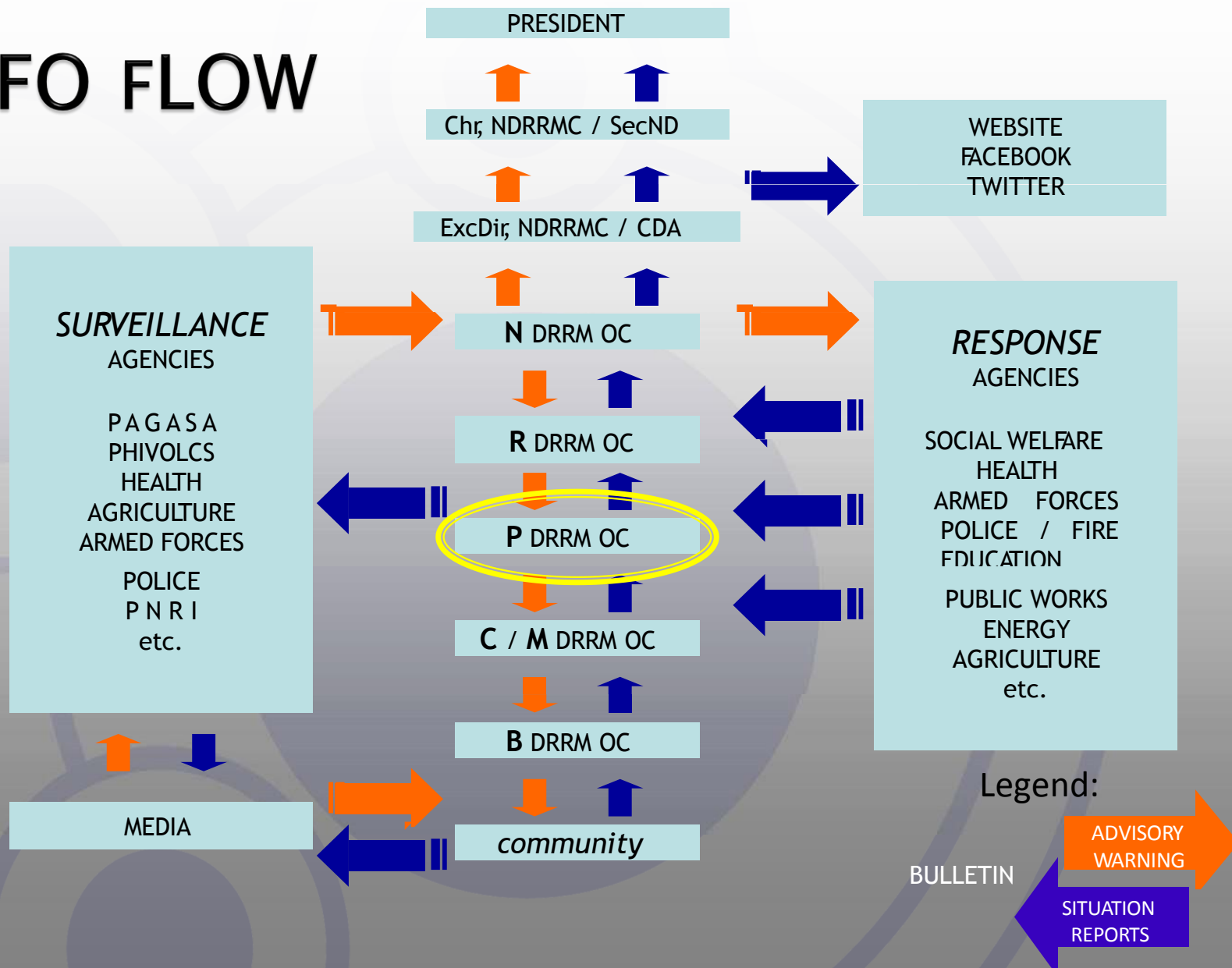
NAME	SIGNATURE	OFFICE/DESIGNATION	E-MAIL ADDRESS	CON
1. PFC CHRISTIAN JAMES V. HERBER		31B 91D PA		
2. PFC EDILBERTO Z. FIGUERO JR		" " "		
3. SGT CASTILLO		" "		
4. PTE LAURENTE		" " "		
5. PFC TORIBIO		" " "		
6. PVT TIMPLE		" " "		
7. PFM BARCELONA		" " "		
8. PVT ZAMOR		" " "		
9. PFC ESPINOSA		" " "		
10. PVT ENCONADO		" " "		
11. CPL BAYLON		" " "		
12. PVT VERGARA		" " "		



Operational Briefing & Council Meeting



INFO FLOW



SORSOGON PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT OFFICE COLORED ALERT STATUS & DISASTER WARNING SYMBOLS

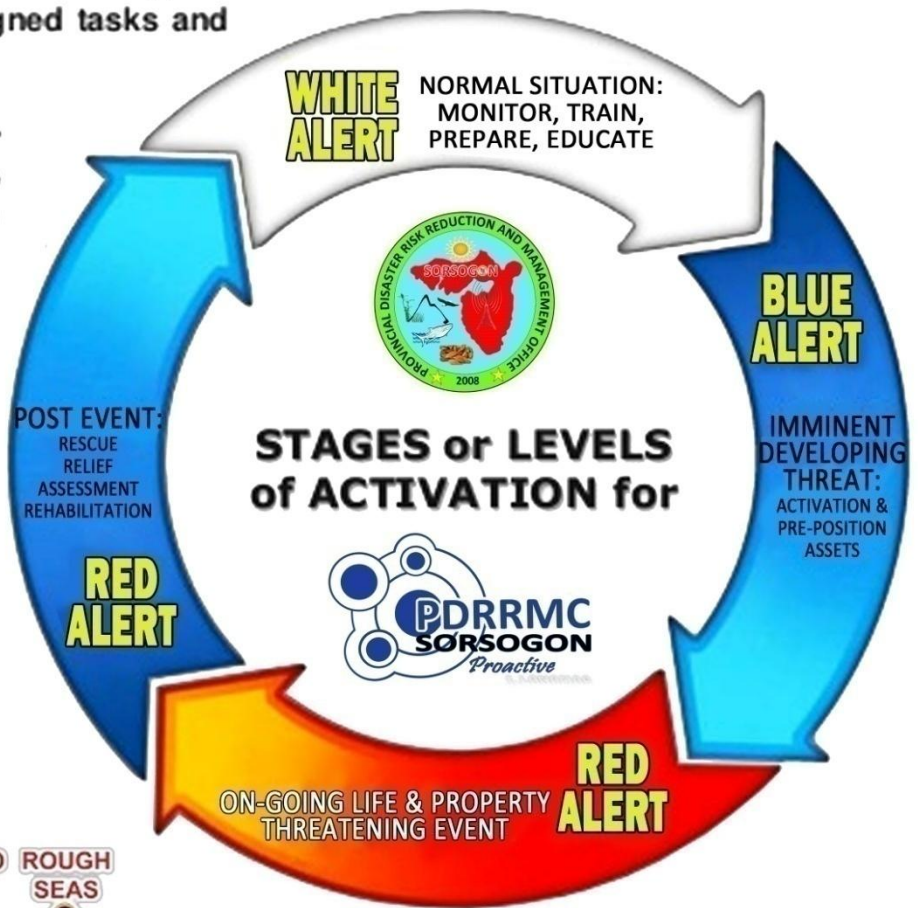
NOTIFICATION - When an event/disaster occurs, notification is made to all partner agencies, and PDRRMC Disaster Operations Center support staff who needs to take actions as part of their pre-assigned tasks and responsibilities;

BLUE ALERT (Partial Activation) - An initial limited or a post Red Alert scaled down operational condition of the Disaster Operations Center (DOC). All field personnel go on stand-by, assets pre-positioned for easy deployment;

RED ALERT (Full Activation) - All primary and secondary support agencies of the PDRRMC are on active status/on-call, manning respective stations along with DOC staff, while directing-coordinating personnel/assets on a 24-hour basis during an on-going event;

DEACTIVATION - The DOC Chief as may be directed by the Chief Executive or Action Officer to deactivate the alert status and normal operations of the Disaster Operations Center resumes.

DISASTER SYMBOLS



CONTACT US:

Landline: (056)421-572
Textline: 0920-484-0394
VHF 159.575mhz

Emergency HOTLINE:
Globe: 0916-480-7367
Smart: 0918-624-1749



DURING



- ❑ Maintains coordination with all DRRMOs;
- ❑ Closely monitors the situation in all municipalities via radio communication system and available means of communications at the Incident Command Post;
- ❑ Deployed Special Response Unit from BFP to address an emergency situation requiring special needs inside the evacuation center.
- ❑ Ensure the safety of all resources.



AFTER



- ❑ Immediate Deployment of Response Teams
- ❑ RDANA teams provides initial report regarding the extent of damage sustained by different LGUs;
- ❑ Council Members provides partial report regarding all incidents monitored as an effect of the Typhoon;
- ❑ Identify immediate needs of affected population
- ❑ Issued Resolution recommending that the Province of Sorsogon be declared under the State of Calamity;



RESPONSE



IMMEDIATELY AFTER

- ❑ At once, deployed batches of clearing operation teams to clear the roads, highways and major thoroughfares of fallen trees, debris and other blockages within the nearest area of concern.
- ❑ Conduct an ocular assessment in the extended areas linking to other municipalities.
- ❑ Stretch out clearing operation over areas going to the eastern portion of the province.



HENCEFORWARD

- ❑ Continue in full swing and in a large scale the clearing operations of road and highways to pave way for the Rapid Damage Assessment and Needs Analysis (RDANA) Team and the concerned response groups to determine the extend of damage and conduct relief operations respectively;
- ❑ Receive reports coming from different DRRMOs concerning the incident monitored as an aftermath of the Typhoon.

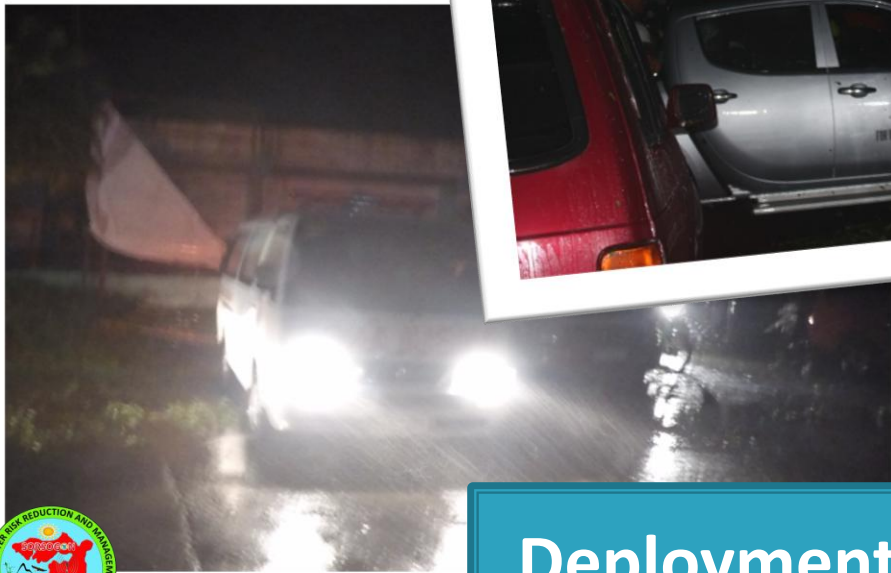


- ❑ Conduct rapid assessment in every municipality that were cleared of road blockages;
- ❑ Perform the Response Cluster in all their response efforts;
- ❑ Provides logistic support to various NGOs respective relief operation;
- ❑ Coordinates with all DRRMOs regarding updates on the effects of the Typhoon in their respective area of jurisdiction.



- ❑ Conduct monitoring in the municipalities severely affected;
- ❑ Send task force team with mobile water purifier;
- ❑ Provides assistance in transporting relief goods and other humanitarian aid;
- ❑ Continuous monitoring of the situation;
- ❑ Sustain response program.



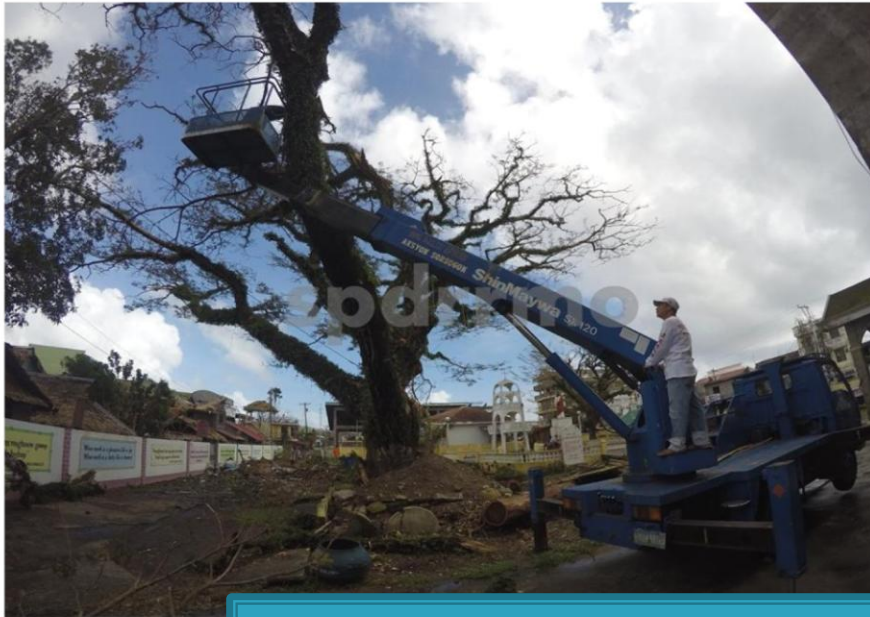


Deployment of Resources





**Response Action
(Clearing of Roads &
Highways)**



Response Action (Clearing of Roads & Highways)





DEPLOYMENT OF MOBILE WATER PURIFIER IN MATNOG





Rapid Damage Assessment & Needs Analysis



SHORT TERM NEEDS

- ❑ Restoration of Electrical \ Power lines
- ❑ Foods for the affected families
- ❑ NFI – Non Food Item

Example: Tarpaulin

Construction Materials

Hygiene Kits

- ❑ Financial Assistance
- ❑ Medicines or Medical Supplies




- ❑ Integrated Livelihood Programs.
- ❑ Flashlight and Batteries
- ❑ Slippers
- ❑ Clothes and Blankets
- ❑ Chlorine Granules
- ❑ Aqua tabs or Hyposol Bottle



Relief Operations & Distribution



CONTACT INFORMATION:

 Landline: (056)421-5724
Globe: 0916-480-7367
Smart: 0918-624-1749
Textline: 0920-484-0394

 spdrmo@gmail.com

 <https://www.facebook.com/spdrmo>
<https://www.facebook.com/spdrmo.sorsogon>

 www.sorsogonpdrmo.com



SORSOGON PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT OFFICE

Capitol Compound, Sorsogon City

"Reducing your Risk"