

CONTINGENCY PLAN (FLOOD) 2021-2023

CHAPTER I. BACKGROUND

I. SORSOGON CITY PROFILE

1. Brief History

Although relatively young, the city boasts of a colorful history that goes back to the pre-Hispanic times, when Moro pirates frequently trespassed its territorial waters. With the coming of the Spanish colonizers in the 1600s, Bacon was organized into a *visita* of the town of Casiguran, one of the oldest settlements in Luzon. The municipality of Sorsogon, whose original Site was in Sitio Pocdol in Capuy, was in turn, a *visita* of Bacon. As its population increased, however, Sorsogon was declared an independent, full-fledged parish in 1628.

The Pueblo Civil de Bacon was established in 1754, with Juan Elias as its first *gobernadorcillo*. Sorsogon on the other hand, became an independent political unit in 1864.

From their organization as *visitas* and eventually as independent *pueblos*, both Bacon and Sorsogon remained under the territorial jurisdiction of the province of Albay. On October 17, 1894, the Spanish authorities organized a geographical unit independent from Albay, with the town of Sorsogon as its seat of government. The new province adopted the name of the town and has since been known as the Province of Sorsogon.

Sorsogon City was created by virtue of Republic Act 8806, which was signed into law on August 16, 2000 and ratified during a plebiscite on December 16, 2000. RA 8806, also known as the Cityhood Law, called for the merger of the municipalities of Sorsogon and Bacon into a component city of the province of Sorsogon

Before the merger to form the City of Sorsogon, Bacon and Sorsogon enjoyed different economic classifications, with Sorsogon classified as first-class municipality and Bacon, fourth class. The merger has resulted in a political unit composed of 64 barangays falling into three districts: Bacon (with 28 barangays), Sorsogon West (with 22 barangays) and Sorsogon East (with 14 barangays).

2. Climate

The climate of Sorsogon is Type II under the Coronas classification system. There is no pronounced dry season but with a very pronounced maximum rain period from November to January. Rains start late September or early October. Annual rainfall ranges from 2,800 mm to 3,500 mm. Rain is expected 200 days in a year and even in the driest months unexpected downpour occurs.

Temperature ranges from 21 °C to 32 °C. Relative humidity is 82 percent. Prevailing winds are the monsoons and Pacific Trade Winds. The Northeast Monsoon (Amihan) occurs from October to March while the Southwest Monsoon (Habagat) occurs from June to September. The Pacific Trade Winds (Gurang na Habagat) occurs during April and May. Wind speed ranges from 7 to 12 kph.

3. Demography

The City has a total population of 168, 110 based on the 2015 national census of population. It is considered as the largest city in Bicol Region in terms of land area and one of the region's leading cities in terms of urbanization as it is one of the most populous cities in the region. The annual growth rate is 1.54% for the period of 2010-2015.

4. Location

Sorsogon City lies from 123° 53′ to 124° 09′ east longitude and from 12° 55′ to 13° 08′ north latitude, and is situated in the Philippines′ Bicol Region. It is 600 kilometers southeast of Manila and is located at the southernmost tip of Luzon. As part of the geographical chain linking Luzon to the rest of the Philippines, it is a transshipment corridor and serves as the gateway to the Visayas and Mindanao Islands. Its geographical location is such that it opens into the Pacific Ocean to the West and East, through Albay Gulf and Sugod Bay and the China Sea through the Sorsogon Bay.

The city is bounded on the east by the municipalities of Prieto Diaz and Gubat, on the south by the municipality of Casiguran and Sorsogon Bay, on the west by the municipality of Castilla, on the northeast by the municipality of Manito in Albay, and on the north by Albay Gulf. It covers 31,292 hectares and is composed of 64 barangays.

5. Topography

Sorsogon is divided into four physical areas – the northeastern range, the sloping uplands, the plain area, and marshlands. The northeastern range is part of the Bacon-Castilla range, bordering Sorsogon's north and serves as its watershed covered mainly by secondary forest growth and thicket. It starts from 200 m above sea level to Mt. Rangas, the highest point at 1,000 meters. The sloping uplands are the shoulders of the range and the series of hills in the southeast. Coconut, abaca, and fruit trees cover this area. The plain is generally low and level. Settlements and other built-up areas and rice fields occupy the plain area. Marshlands are the mouth of rivers vegetated mainly by nipa and are developed into fishponds.

6. Surface Drainage

A system of rivers and creeks and several small waterways drain the general area of the city: Salog River is an urban river originating from Mt. Alinao and traversing eight barangays before discharging into the Sorsogon Bay. San Isidro, Rizal, and Cawayan Rivers originate from springs and tributaries of secondary forest areas within EDC Geothermal Reservation.

Rivers in Bacon District, at the northwestern to northeastern portion of the city, drain to the Albay Gulf. These include Luluwasan Osiao, Gatbo, and Rangas Rivers. Rivers in the southwest & south namely San Isidro, Cawayan, Salog, and Abuyog Rivers at the East & West District drain into the Sorsogon Bay.

Freshwater rivers, upon reaching the lowlands, are often tapped for irrigation and domestic uses. Brackish ones are source of shrimps and shellfish.

Water resources in the City are generally classified into surface and groundwater. Springs and networks of creeks and tributaries at the upland converge at the downstream to form major river systems. There are also creeks that only exist during rainy periods and dries up during dry season

7. Geology

The northern part of Sorsogon is made up of andesitic lava flows and other volcanic rocks. Rocks in the northeast are coralline limestone which is now being quarried for marble produced by different episodes of volcanic intrusions.

The rest of the flatlands are recent alluvial deposits composed of clays, silt, sand, gravel, and corral.

Geothermal energy has been successfully exploited in the northern part of the city. From wells drilled and developed by the Philippine National Oil Corporation, the National Power Corporation is operating three plants with a capacity of 130 MW connected to the Luzon Grid. As to non-metallic minerals, the Bureau of Mines and Geosciences has determined a sulfur deposit of 755 metric tons in Rizal. Its grade ranges from 10 percent to 40 percent. Gravel and sand can be quarried at the Cawayan River.

8. Soil

Dominant Soil types are Annam clay loam. Annam clay loam has a relief of slightly undulating, roughly rolling to undulating. It covers about half of the area. It is suited to lowland rice, root crops, vegetables, and permanent planting. Sorsogon clay loam is the soil on the plains and valleys. It is suited to lowland rice, abaca, and corn.

II.HAZARD PROFILE

Sorsogon City is very vulnerable to natural hazards/disasters. The physical setting in the tropics facing the Pacific Ocean on the north and Sorsogon Bay on the south and the Pacific Ring of Fire in the east makes it very susceptible to hydro-meteorological (tropical cyclones and its associated hazards and other severe weather disturbances) and geological hazards such as earthquake and their associated hazards.

Sorsogon City is sandwiched between two (2) coastlines. Eighteen (18) barangays of Bacon District lie along the 33.5-kilometer-long coastline that faces the Pacific Coast while six (6) barangays of the East District and eleven (11) barangays of the West District lie along the twenty-two (22) kilometer coastline facing Sorsogon Bay and the West Philippine Sea.

According to the study conducted by the Manila Observatory and the Department of Environment and Natural Resource, the Province of Sorsogon where the City is located has been identified to be at a Very High-Risk category relative to the Combined Risk to Climate Disasters (*Figure 1*).

Mapping Philippine Vulnerability to Environmental Disasters

Combined Risk to Climate Disasters

Legend
Provincia Boundary
Combined Risk to Climate Disasters

139 E

107 Combined Risk to Climate Disasters

108 E

109 E

FLOOD

Vulnerability to flooding can be influenced either by intense rainfall and/or sea level rise. *Figure 2* cited the study conducted by Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) PRECIS, the projected climate change scenarios for the Province of Sorsogon relative to rainfall for 2020 and 2050 using the A1B scenario of the IPCC. With the projected increase in rainfall, the City is continuously exposed to flooding events.

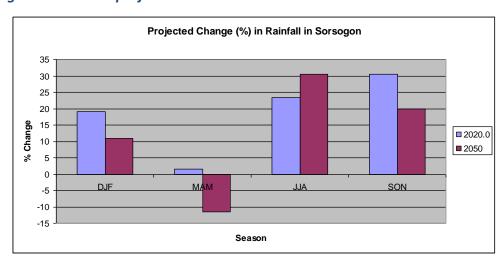


Figure 2: PAGASA projection

Figure 3 presents the sea level rise obeservations gathered by PINCCC in the five primary tidal gauge stations in the country including that in the Coast and Geodetic Survey Department (CGSD) of NAMRIA in Legaspi City, Albay. Given that Sorsogon City and Albay shares territory in Albay Gulf and faces the Pacific Ocean, sea level rise poses immense threat to almost all the barangays located in low-lying coastal areas, hence increasing the risk of many people to flooding.

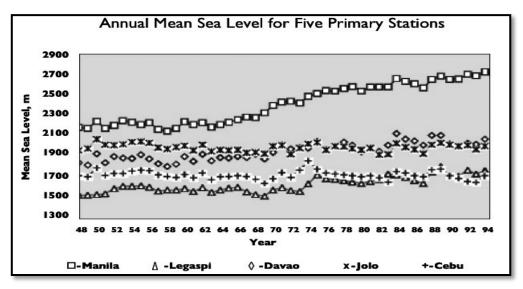


Figure 3: Amadore, 2005; PINCC

1.1. Potentially Affected Population in Hazard Area

Abuyog Almendras Cogon Balete Balogo - Bacon Balogo - East Barayong Basud Bato Bibincahan Bitan-o		RONE TO K EROSION NO. OF HH 1 65 7 13 3 76	RARELY NO. OF PERSONS 1281 154 781 13 754 79 1325 388 598	NALLY TO FLOODED NO. OF HH 290 28 196 3 171 19 298 89 130		ARLY TO LY FLOODED NO. OF HH 34 35 54
Abuyog Almendras Cogon Balete Balogo - Bacon Balogo - East Barayong Basud Bato Bibincahan	NO. OF PERSONS 2 290 33 68 21 355	NO. OF HH 1 65 7 13	NO. OF PERSONS 1281 154 781 13 754 79 1325 388 598	NO. OF HH 290 28 196 3 171 19 298 89	NO. OF PERSONS 161 161 157 278	NO. OF HH 34 35
Abuyog Almendras Cogon Balete Balogo - Bacon Balogo - East Barayong Basud Bato Bibincahan	290 290 33 68 21 355	1 65 7 13	PERSONS 1281 154 781 13 754 79 1325 388 598	290 28 196 3 171 19 298 89	PERSONS 161 161 157 278	34
Almendras Cogon Balete Balogo - Bacon Balogo - East Barayong Basud Bato Bibincahan	290 33 68 21 355	7 13	154 781 13 754 79 1325 388 598	28 196 3 171 19 298 89	161 157 278	35
Balete Balogo - Bacon Balogo - East Barayong Basud Bato Bibincahan	33 68 21 355	7 13	781 13 754 79 1325 388 598	196 3 171 19 298 89	157 278	
Balogo - Bacon Balogo - East Barayong Basud Bato Bibincahan	33 68 21 355	7 13	13 754 79 1325 388 598	3 171 19 298 89	157 278	
Balogo - East Barayong Basud Bato Bibincahan	68 21 355	13	754 79 1325 388 598	171 19 298 89	278	
Barayong Basud Bato Bibincahan	68 21 355	13	79 1325 388 598	19 298 89		54
Basud Bato Bibincahan	68 21 355	13	1325 388 598	298 89	53	
Bato Bibincahan	21 355	3	388 598	89	53	
Bibincahan	355		598		53	
	355			130		14
Bitan-o		76	0.00	130	34	9
	6		969	216	420	94
Bonga		1			2	1
Bon-ot					465	116
Bucalbucalan	325	70	189	40	710	143
Buenavista - Bacon	104	33	6	1	993	231
Buenavista - West	14	2	359	76	39	6
Buhatan	9	2	1131	256	652	171
Bulabog	414	90	334	77	752	169
Burabod			760	180	9	3
Cabarbuhan	26	7	24	6		
Cabid-an			2858	617	318	69
Cambulaga	1288	289	2082	437	26	8
Capuy	822	206	702	172	2	1
Caricaran	96	20	3	1	236	60
del Rosario	136	37	244	60	11	2
Gatbo	487	114	33	9	1397	323
Gimaloto	275	64	506	123	35	9
Guinlajon	278	62	6	1		
Jamislagan	-		27	5		
Macabog	347	83	39	9		
Marinas			58	15		
Osiao	598	120	135	25		
Pamurayan	137	33	233	55	7	2
Pangpang	138	34	19	4		
Panlayaan	66	15	3	1		
Penafrancia	201	43	5	1	110	22
Piot	916	219	1181	279		
Poblacion	948	239	2520	660	204	65
Polvorista			181	63		
Rawis	151	33	457	106		
Rizal	471	116	1096	234	5	1
Salog	8	2	1558	396	367	86
Sampaloc		_	1238	278	321	68
Salvacion - Bacon	26	5	1230	2,0	321	
Salvacion - West	216	46				
San Isidro - Bacon	25	8	67	19	9	2

San Isidro - West	307	77	76	16		
San Jose	49	15	4	1	49	12
San Juan - Bacon	270	55			35	8
San Juan -roro	149	36	647	167	27	5
San Pascual	282	70	254	64		
San Ramon	19	7			10	3
San Roque	69	14	357	98	75	17
San Vicente			66	17		
Sawanga	40	9			1330	315
Sirangan			1302	299	5	1
Sta. Cruz	115	26	2	1		
Sta. Lucia	3	1				
Sto. Domingo			57	15		
Sto. Nino	570	125			17	3
Sugod			1021	250	6	2
Sulucan			133	34	3	1
Talisay	5	1	790	182	20	6
Ticol	384	87	1066	246		
Tugos	645	226	1342	467		

1.2. Potentially Affected Informal Settlements in Hazard Area

FLOOD							
Parangaye	AREAS PRONE TO		OCCASI	OCCASIONALLY TO		REGULARLY TO	
Barangays	RIVERBA	NK EROSION	R/	RARELY		UENTLY	
	No. of	No. of	No. of	No. of	No. of	No. of	
	Persons	Households	Persons	Households	Persons	Households	
Abuyog	0	0	226	55	36	7	
Balete	28	10	22	5	0	0	
Balogo - Bacon	0	0	7	1	6	1	
Balogo - East	0	0	15	4	3	1	
Barayong	18	3	0	0	0	0	
Basud	2	1	68	16	0	0	
Bato	0	0	12	2	0	0	
Bibincahan	9	1	73	15	0	0	
Bitan-o	36	7	332	72	219	51	
Bon-ot	0	0	0	0	72	21	
Bucalbucalan	12	2	15	3	204	45	
Buenavista -							
Bacon	9	2	0	0	101	26	
Buenavista -							
West	0	0	45	9	8	1	
Buhatan	0	0	81	18	47	13	
Bulabog	18	5	51	12	133	30	
Burabod	0	0	157	32	0	0	
Cabarbuhan	0	0	10	3	0	0	
Cabid-an	0	0	339	72	104	26	
Cambulaga	197	49	223	49	6	1	
Capuy	117	28	79	19	2	1	
Caricaran	0	0	3	1	18	5	

del Rosario	13	3	11	2	0	0
Gatbo	38	10	0	0	216	48
Gimaloto	38	11	67	17	8	2
Guinlajon	36	6	0	0	0	0
Macabog	41	12	0	0	0	0
Marinas	0	0	6	1	0	0
Osiao	323	69	85	16	0	0
Pamurayan	15	3	23	6	2	1
Pangpang	13	2	0	0	0	0
Panlayaan	3	1	0	0	0	0
Penafrancia	11	3	0	0	6	1
Piot	65	12	39	11	0	0
Poblacion	182	42	223	56	77	20
Polvorista	0	0	5	1	0	0
Rawis	12	3	21	5	0	0
Rizal	40	11	61	14	5	1
Salog	0	0	324	72	160	37
Salvacion - Bacon	0	0	0	0	0	0
Salvacion - West	40	11	0	0	0	0
Sampaloc	0	0	148	35	11	2
San Isidro - Bacon	5	1	5	1	0	0
San Isidro - West	22	4	10	3	0	0
San Jose	0	0	0	0	0	0
San Juan - Bacon	46	8	0	0	20	3
San Juan -roro	0	0	19	5	5	1
San Pascual	0	0	16	5	0	0
San Roque	5	1	0	0	38	8
San Vicente	0	0	10	4	0	0
Sawanga	0	0	0	0	33	9
Sirangan	0	0	378	83	0	0
Sta. Cruz	29	6	0	0	0	0
Sto. Nino	177	39	0	0	0	0
Sugod	0	0	89	18	0	0
Sulucan	0	0	3	1	0	0
Talisay	0	0	83	20	0	0
Ticol	34	8	105	22	0	0
Tugos	59	14	47	12	0	0

1.3. Potentially Affected Built-up Areas

FLOOD			
	Areas Prone to	Occasionally to Rarely	Regularly to Frequently
Barangays	Riverbank Erosion	Flooded Areas (Built-	Flooded Areas (Built-up
	(Built-up Area in ha.)	up Area in ha.)	Area in ha.)
Abuyog		5.76932202	0.473979334
Almendras - Cogon		0.967630611	
Balete	0.910507263	6.722070635	0.092802915
Balogo			2.338459313
Balogo (east)		7.698164284	0.633734913
Barayong	0.057418452	0.226098669	
Basud	0.153332587	5.025654491	

Bato		1.142197076	0.037282507
Bibincahan	0.239731792	2.353416395	0.163465645
Bitan-o	0.765116881	6.011079202	0.830878915
Bogña	0.02583345		0.029565461
Bon-ot			1.970660495
Buenavista (B)	0.172984174		3.181245699
Buhatan		5.425818607	1.47637207
Burabod		10.20570271	
Cabarbuhan	0.053744016	0.093819986	
Cabid-an		36.7709492	3.175571713
Cambulaga	3.509043425	6.562917278	
Capuy	2.6538151	3.518469139	0.009127062
Caricaran	0.463740689		1.826012037
Del Rosario	0.407805313	0.610356571	0.005365647
Gatbo	0.936477589	0.085893036	4.408779648
Gimaloto	0.822356804	1.5091597	0.111047304
Guinlajon	1.121271263		
Jamislagan		0.074737724	
Macabog	2.913623499	0.062427796	
Marinas		0.052641663	
Osiao	0.371308475		
Pamurayan	0.331221573	1.124650546	0.034684013
Pangpang	1.696311578	0.643795441	
Peñafrancia	0.52317307		0.572817177
Piot	4.640646519	6.914554051	
Poblacion (Bacon)	2.591183341	15.91345747	0.530710517
Polvorista		3.433973025	
Rawis	0.845717218	2.641465434	0.012926083
Salog		5.265894273	1.059243933
Salvacion (B)	0.159886408		
Sampaloc		5.328917594	0.465392708
San Isidro (B)	0.023086405	0.240617183	0.028185328
San Jose-Maricrum	0.146657653		0.141581204
San Juan	1.252093904		0.071309731
San Juan (Roro)	0.714632484	6.453367921	0.046291383
San Pascual	0.572585541	0.744220201	
San Ramon	0.070184616		
San Roque	0.379547274	1.800358466	0.0413598
San Vicente		0.094638683	0.010593029
Sawanga			5.146410647
Sirangan		3.084328382	
Sta Cruz	0.059732418		
Sto Domingo	0.048019435		
Sugod		3.684156885	0.023942147
Sulucan		2.100709846	
Talisay		3.755534887	0.118151194
Ticol	0.859880967	2.572860432	
Tugos	6.231904629	10.59831267	

1.4. Potentially Affected Land Uses in Hazard

FLOOD			
	Areas prone to	Occasionally to	Regularly to
Land Use	Riverbank	Rarely Flooded	Frequently Flooded
	Erosion (ha)	Areas (ha)	Areas(ha)
Agricultural	410.8835154	493.7187242	292.1883963
Agricultural with deffered devt			
area	4.320075218	26.91780848	2.747123546
Aquaculture	n/a	n/a	n/a
Cemetery	0.453857293	1.465516356	n/a
Commercial	0.416776705	24.01553252	3.290317328
Fish Pond	5.429083442	63.11648168	425.7687012
Industrial	n/a	n/a	n/a
Institutional	2.614210656	14.016221	0.081073405
Mixed used neighborhood			
center	1.670388145	2.158722488	n/a
Parks and recreation	n/a	0.66901131	n/a
Potential development area	5.318795407	n/a	6.023538873
Potential development			
area(commercial	n/a	n/a	n/a
Protected area(upland forest)	714.716995	0.172399415	0.062535339
Protected coastal area	259.3328892	321.5400437	954.9942851
Recreational strip	6.710536578	4.636242543	19.54301857
Residential mixed use	80.59091091	255.2591872	43.68927892
Rice land	275.055688	1214.248214	160.4163122
River easement	48.83815589	92.61879068	2.886385672
Socialized housing	0.91051101	n/a	n/a
Tourism	n/a	2.457325355	0.713315545
Upland Area	672.0488385	22.55639742	9.472149334
Waterfront development	n/a	0.720891352	n/a

HEALTH HAZARD PRIORITIZATION MATRIX

In any community, resources for the management of hazards, vulnerability, and emergencies are limited. With the best of intentions, the constraints of time and money preclude protecting people, property, and the environment from every hazard. Therefore, it is crucial to decide which hazards should be dealt with most urgently and which should be dealt with later.

Hazard	SEVERITY	FREQ	EXTENT	DURATION	MANAGEABILITY	TOTAL	RANK
1. Typhoon	5	5	4	4	4	22	1
2. Flood Storm Surge	5	4	4	3	4	20	2
3. Disease Outbreak	4	3	4	3	4	18	3
4. Landslide	4	3	3	4	3	17	4
5. Vehicular accident	3	4	2	1	4	14	5
6. Earthquake	3	2	1	1	5	12	6
7. Volcanic Eruptions	1	1	1	1	5	9	7
8. Insurgency	1	1	1	1	5	9	7

HAZARD MAP

All hazard maps being used by the City came from the DENR-Mines and Geosciences Bureau 5 and other national government agencies. The software (ARC-GIS 10-0 and QGIS) and hardware (computer and printer) being use in the City's GIS Section was donated by UN-Habitat Philippines. The City brought its own Satellite Imagery. Using the software, the Section was able to map out the road networks, critical infrastructure, and dengue-infested areas.

Currently, the Section is mapping out the barangay boundary coordinates provided by the Land Management Bureau. In the coming days, mapping will also include the data collected using the Rapid Community Based Monitoring System (RCBMS).

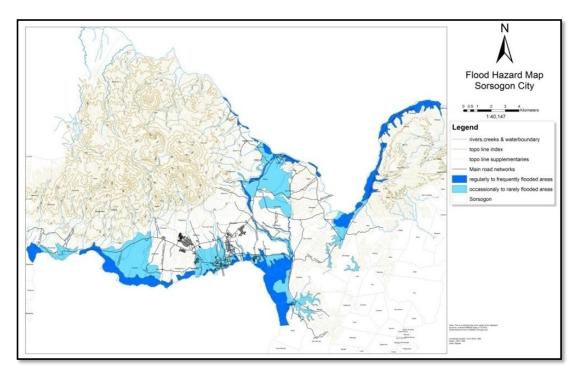


Figure 12: Flood Hazard Map

RECENT FLOODING EVENTS IN SORSOGON CITY





Heavy rain caused by Amihan or Northeast monsoon brings flood at Sorsogon City, December 2017







Flooding along Maharlika highway, Brgy. Buhatan, East Dist. due to Tropical Depression Usman, December 2018.



TD Amang brings heavy flood in Sorsogon City, January 2019.



HEALTH VULNERABILITY ASSESSMENT MATRIX

Vulnerability is defined as "the characteristics of a person or group and their situation that influences their capacity to anticipate, cope with, resist, and recover from the impact of a hazardous event" It represents the susceptibility of a given population to harmful effects from exposure to hazardous events and directly affects disaster preparation, response, and recovery.

Vulnerability Reduction Plan

HAZARD	VULNERABILITY	RISK	STRATEGIES/ACTIVITI	TIME	RESOURCE	REQUIREME	NT	PERSON	INDICA-
			ES	FRAME	REQUIRED	AVAILABLE	SOURC	RESPONSIBLE	TOR
							E		
1.	> Debilitated, PWD,	> Disease	1. CAPABILITY	Jan-	Training fund		CLGU	CDRRMO/HE	Number
NATURAL	Pregnant, lactating	> Injuries	BUILDING & FACILITY	Dec,202			DOH	MS	of
HAZARDS:	women, young &	>Displaceme	ENHANCEMENT	0				Coordinator	trainings
Typhoon,	elderly	nt	a. Training on		Logistics				conducte
earthquak	> less oriented people	>Breakdown	Health Emergency		Manual/materia				d
e, tsunami,	on dangers of hazards	in Services	Preparedness at all		ls				Number
volcanic	> lack of awareness &	> Death	levels of the health						of trained
eruption,	training of health		sector including NGOs						personnel
flooding,	personnel on hazards		b. enhancing						
landslides,	& risk		health facilities to						
storm	>use of light materials		improve capacities						
surge	as structures		and service delivery						
	> lack of disaster		c. BLS Training						
	response equipment		d. EMR Training			Pasalinggay	CPIO		
	>poor drainage system		e. EMT Training	Year	Air time fee	a & Spirit		CDRRMO/HE	
	> defective sea wall		f. Basic First Aid	Round	Posters	FM		MS	Number
	and floor barriers		Training		Flyers	Stations		Spokesperson	of TV,
	> lowlanders		g. Drills		TEV				Radio
	> Along fault lines				Gasoline				guesting,
	> high rise structures				Mobility Fund				airtime

> old buildings	2. HEALTH	IEC Materials	Number
> defective bridges	INFORMATION &		of
>areas near gasoline	ADVOCACY		posters,
depo	a. activities		flyers
	informing the public		distribute
	on prevention &		d and
	preparedness for		posted
	emergencies &		
	disasters thru the use		
	of quad-media,		
	conference, updates,		
	posters & other info-		
	materials		
	b. conduct Basic		
	First Aid Training in		
	managing		
	emergencies at home,		
	schools, workplace,		
	public places, etc.		
	c. activities		
	empowering the		
	community thru		
	health education &		
	promotion (BHW		
	meetings, Family		
	Dev't Sessions, Brgy		
	Assembly, Care Givers		
	Class, etc.)		
	3. NETWORKING &		
	SOCIAL		
	MOBILIZATION		

a. bu	lding up
netwo	
involve	d institutions
b. est	ablish linkage
with ot	her agencies
	lated activities
thru M	OA/MOU
c. cor	duct/attend
	king meetings
	ractivities
d. mu	lti-sectoral
activiti	es (drills,
benchr	narking, etc)
4. RESC	DURCE
MOBIL	ZATION
a. res	ponse team
mobiliz	ation
b. am	bulance team
mobiliz	ation
C.	
5. POL	CY
DEVEL	DPMENT/
STAND	ARDS &
REGUL	ATIONS
a.	
institut	ionalization of
DRRMI	I Plan & team
thru ar	executive
order	

b. accreditation	
criteria setting/	
standard setting	
6. INFORMATION	
MANAGEMENT/	
SURVEILLANCE	
a. risk	
communication to	
manage community	
panic	
b. identify	
spokesperson	
7.SERVICE DELIVERY	
a. provision of early	
response services &	
early warning or	
alarm system	
b. timely, holistic &	
appropriate response	
in emergency	
situations	
c. response service	
provided by	
competent,	
compassionate &	
committed personnel	
8. RESEARCH &	
DEVELOPMENT	
a. conduct research	
& baseline studies	
& buschine studies	

			b. documentation of best practices c. record testimonials 9. MONITORING & EVALUATION a. documentation of events & lessons learned b. postmortem evaluation c. after activity report d. regular committee meeting			
2. DISEASE OUTBREAK	 Low FIC Coverage Debilitated, immunocompromis ed, young & elderly Pregnant & lactating mothers Lack of knowledge on disease prevention and control Poor personal hygiene large number of family members 	> Disease > Injuries > Displaceme nt > Breakdown in Services > Death	1. CAPABILITY BUILDING & FACILITY ENHANCEMENT a. cold chain management training among vaccinators & managers b. provision of adequate supply of vaccines, paraphernalia and equipment for immunization			

7. Inadequate toilet	2. HEALTH	
facilities	INFORMATION &	
8. unsanitary water	ADVOCACY	
containers	a. use of tri-media	
9. poor surveillance	to promote NIP	
·	b. production of	
	info-materials	
	c. conduct	
	mother's/care givers	
	class	
	d. promote NIP	
	during meetings ,	
	sessions (Family Devt	
	Sessions)	
	e. Creating	
	community	
	awareness and	
	making the service	
	more community	
	oriented by removing	
	social and cultural	
	barriers	
	f. ENGAGE in a	
	dialogue which both	
	transmits information	
	and responds to	
	people's concerns and	
	fears	

3. NETWORKING &
SOCIAL
MOBILIZATION
a. coordination
meeting among
immunization
partners &
stakeholders
b. engage
communities & create
demands
c. address vaccine
hesitancy & false
perceptions
4. RESOURCE
MOBILIZATION
a. coverage
improvement
5. POLICY
DEVELOPMENT/
STANDARDS &
REGULATIONS
a. adherence to NIP
law
b. secure political
commitment &
partnership
(MOA/MOU)
6. INFORMATION
MANAGEMENT/
SURVEILLANCE

a. prompt reporting
& investigation of
vaccine preventable
disease occurrence
7.SERVICE DELIVERY
a. monitoring and
follow up of
defaulters (detect &
reach the unreached)
b. giving perks or
incentives to mothers
with FIC
c. adjusting service
availability &
convenience
d. Avoiding missed
opportunities, invalid
doses, and late
completion of
vaccination schedules
8. RESEARCH &
DEVELOPMENT
a. CONDUCT
operational and social
science research to
identify successful
strategies to reduce
inequities and
improve the quality

	and delivery of			
	immunization services			
	9. MONITORING &			
	EVALUATION			
	a. monitor program			
	performance			
	b. evaluate program			
	through surveys &			
	reviews			

CHAPTER II. GOAL AND OBJECTIVES

CP Goal Statement:

This plan aims to provide effective, efficient, timely and well-coordinated response mechanisms in the event of the occurrence of flood which shall help protect lives, properties and the environment and restore the immediate needs of the people in Sorsogon City.

CP Objectives:

- 1. To ensure the protection of lives and properties in the event of floods in Sorsogon City.
- 2. To determine the immediate needs and the resources that will meet the needs of the people.
- 3. To establish coordination and linkages between and among the stakeholders and entities involved to act during disasters
- 4. To adapt and integrate national and local norms and standards to ensure efficient management of resources.

CHAPTER III. RESPONSE ARRANGEMENTS

A. Summary of Cluster Identification

CLUSTER	LEAD AGENCY/ OFFICE	MEMBER AGENCIES/OFFICES
Protection; Law and	Philippine	Philippine Army
Order; Management	National Police	Bureau of Fire Protection
of the Dead and the		Philippine Coast Guard
Missing		Liga ng Mga Barangay – Barangay Tanod
HEALTH (WASH,	City Health Office	Department of Health-PDO
Health, Nutrition	-	Philippine Red Cross-Emergency Medical Services
and Psychological		Sorsogon City Emergency Response Team
Services)		City Social Welfare and Development Office
Search, Rescue and	CDRRMO	Philippine Army
Retrieval	(Sorsogon City	Philippine National Police
	Emergency	Bureau of Fire Protection
	Response Team)	Philippine Coast Guard
		Philippine Red Cross-Emergency Medical Services
		Bicol Emergency Response Network
Fire Suppression/	Bureau of Fire	Filipino-Chinese Fire Volunteers Brigade
Water Rationing	Protection	Philippine National Police
		Sorsogon City Emergency Response Team
		Sorsogon City Water District
Camp Coordination	Department of	City Social Welfare Development Office
and Management	Education,	City General Services Office
	Incident	City Engineers Office
	Commander,	Sorsogon II Electric Cooperative
	Barangay Official	City Health Office
		Gender and Development Unit
		Sorsogon City Water District
		Sorsogon City Emergency Response Team
		Philippine Chamber of Commerce Inc.

		Liga ng mga Barangay
Relief Operation	City Social	City General Services Office
(Food and Non-food	Welfare	-
1 '		National Food Authority
Items)	Development	Philippine Red Cross
	Office	Sorsogon City Emergency Response Team
		Sorsogon City Water District
		Sorsogon Social Action Foundation Inc.
		Philippine Chamber of Commerce Inc.
		Coastal Core Inc.
		Green Valley Development Program
Logistics	City General	City Engineers Office
	Services Office	City Treasurers Office
		City Budget Office
		City Accounting Office
		City Environment and Natural Resources Office
Education	Department of	Gender and Development Unit
	Education	CDRRMO – Training Unit
Emergency	CDRRMO - Radio	Sorsogon II Electric Cooperative
Telecommunications	Communications	
	Unit)	

B. <u>Cluster Needs, Resource Inventory, Projection and Gap Analysis</u>

CLUSTER: Protection, Law and Order

1.1 Needs and Activities Inventory

	Needs and Activities Inventory							
Needs that	Activities to meet the	Agencies Likely	Timeframe	Remarks				
Will Arise	needs	Undertaken the Activities						
Manpower 637 personnel (PNP Pers only) Force Multipliers to be utilized at different Barangays.	Request for force augmentation from other PNP units. Coordinate to other force multipliers (Kabalikat, Kabayan, BPATs,) and friendly forces (AFP, PCG and PSO)	Sorsogon City Police Station	3rd Quarter (Typhoon months)					
Mobility 10 vehicles	Coordinate with the LGU-GSO for the availability of additional vehicles	SOR CPS (Operation Section)	3rd & 4th Quarter (Typhoon months)					
Cooperative and Supportive Residents	Dialogue/Brgy officials and Volunteers,	SORCPS (PCR SECTION)	1st & 2nd Quarter					
Gas Allocation	Request to LGU	LGU (GSO)	3rd & 4th Quarter (Typhoon months)					

1.2 Existing Resources

RESOURCES	UNIT	NUMBER	LOCATION	AGENCY/ OFFICE	REMARKS
Manpower	Personnel	187	Sorsogon City	PNP, PCG,BFP only	
Firearms	Unit	153	Sorsogon City	PNP, PCG only	
Mobile Car	Unit	7	Sorsogon City	PNP only	
Aluminum Boat	Unit	2	Sorsogon City	PCG only	
Ambulance	Unit	4	Sorsogon City	LGU-GSO	
Vehicles	Unit	27	Sorsogon City	LGU-GSO	
Firetrucks	Unit	4	Sorsogon City	BFP	
Trucks	Unit	17	Sorsogon City	LGU-GSO	
Base Radio	Unit	5	Sorsogon City	PNP, PCG, BFP only	
Hand held Radio	Unit	16	Sorsogon City	PNP, PCG, BFP only	
Search Light	Unit	3	Sorsogon City	PNP, PCG only	
Cellphone	Unit	10	Sorsogon City	PNP, PCG,BFP, only	
Tricycle	Unit	3	Sorsogon City	LGU-GSO	
Motorcycle	Unit	47	Sorsogon City	LGU-GSO	

1.3 Needs Projection and Gap Analysis

	No. of Pop.		Existing	Projected		Gap	
Items (Needs)	Likely to be Affecte d	Standard	Resource s (Qty)	Needs (Qty)	Qty	Amt	Remarks Source
Manpower		168 (1:1,000 Pop)	187 (PNP, BFP,PCG only)	637 Personnel for PNP only	450	N/A	
	City						
Firearms HP/LP	Wide	153	153		0	N/A	
Mobile Vehicle		7	7		0	N/A	
Base Radio		6	5		1	Php 6,500.00	
Cellphone with Load		11	10		1	Php 3,000.00	
Repeater		1	0		1	Php 60,000.00	
Hand Held Radio		168	10		158	Php 474,000.00	
Search Light		7	3		4	Php 10,000.00	
Gas		150 liters/	30 Liters/		120L/	Php	
Allocation		week	week		W	3,600/per week	

CLUSTER: Search, Rescue and Retrieval

1.1 Needs and Activities Inventory

NEEDS THAT WILL ARISE	ACTIVITIES TO MEET THE NEEDS	AGENCIES LIKELY TO UNDERTAKE THE ACTIVITIES	TIMEFRAME
SRR Personnel	Training for New SRR Personnel and creation of additional SRR Teams Activation of All existing SRR Teams	BFP, AFP, PNP, PCG, ROTC, NSTP and CWTS Graduates	4th quarter
Training of SRR Teams	Conduct WASAR, Collapse Structure and High Angle Rescue Training for new additional Personnel and refresher course for Present SRR teams Include Massive Casualty Incident Simulation for proper on scene training.	BFP, PNP, AFP, PCG, CDRRMO	4th quarter
Participation of the Barangay Volunteers and other Force Multipliers.	Information Drive Regarding Typhoon readiness and preparedness	Barangays LGU's, CDRRMO	4 th quarter
Spine Board (20) C-collar (2000) Rubberized Splint (4000) Portable Radio (20) Figure of 8 Ring (20) Carabineers (50) Utility Ropes (1 x 100m) Kern Mantle Ropes (2 x 100m) Pulley (Single Mechanism x 20) Pulley (Double Mechanism x 10) Harness (50) Triangular Bandages (6000) Elastic Bandages (6000) Cutting and Spreading Tool (20) Axe, Pick head or Flat head (10) Search Flash Lights (50) Complete First Aid Kit (10) Mega Phones (10) Chainsaws (10) Safety Goggles (50)	Purchase / Procurement	CDRRMO	4 th Quarter

Life Jackets (50)			
Ladder with Folding Hooks (10)			
	Purchase / Procurement	CDRRMO	4 th Quarter
PPE			
Whistles (100)			
Working Gloves (50 pairs)			
Surgical Gloves (500 pairs)			
Helmet (50)			
Breathing Apparatus (10)			
Steel toe boots (50 Pairs)			
Rescue Trousers (50)			
Rescue Shirts (50)			
Reflectorized Jackets (50)			
Hydration Packs (10)			
Head Lamp (50)			
Knee/Elbow Pads (50 pairs)			

1.2 Resource Inventory

Consolidated Assets

RESOURCES	UNIT	NUMBER	LOCATION	AGENCY/ OFFICE	REMARKS
Manpower	Personn el	60	PCG/ PNP/ BFP/ CDRRMO/ Bantay Dagat	Sorsogon City	1 Certified Diver 1 DRT
Aluminum Boat	Unit	02	PCG	Sorsogon City	Ready for Sea
Motor Banca	Unit	01	Bantay Dagat	Sorsogon City	Ready for Sea
Life ring	Pcs	08	PCG /CDRRMO	Sorsogon City	Serviceable
Fire Trucks (as respond vehicle)	Unit	4	BFP	Abuyog Fire Station (1), Bacon Fire Station(1) and Talisay (Central Fire Station (2) Sorsogon City	Serviceable
Torpedo buoy	Pcs	06	CDRRMO	Sorsogon City	Serviceable
Life Jacket	Pcs	42	PCG/ CDRRMO/ Bantay Dagat	Sorsogon City	Serviceable
Megaphone	Pcs	05	PCG/PNP/CDR RMO	Sorsogon City	Serviceable
Hand Held Radio	Pcs	26	PCG/PNP/BFP/ CDRRMO	Sorsogon City	Operating
VHF Marine Band Radio	Unit	01	PCG	Sorsogon City	Operating
VHF Radio	Unit	01	CDRRMO	Sorsogon City	Operating
UHF Base Radio	Unit	01	PNP	Sorsogon City	Operating
Search Light	Unit	03	PCG/ PNP	Sorsogon City	Operating
Flashlight	Unit	51	PCG/PNP/CDR RMO	Sorsogon City	Serviceable

Spine Board	Pcs	07	PCG/PNP/BFP/ CDRRMO	Sorsogon City	Operating
Elastic Bandages	Pcs	5	BFP	Sorsogon City	Serviceable
Triangular bandages	Pcs	180	BFP/CDRRMO	Sorsogon City	
Helmet	Pcs	50	PNP/CDRRMO	Sorsogon City	Serviceable
Medical Kit	Sets	04	BFP/CDRRMO	Sorsogon City	Serviceable
Rubberized Splint	Pcs	10	BFP	Sorsogon City	Serviceable
Daylight Headlight	Pcs.	26	CDRRMO	Sorsogon City	Serviceable
Rope- Alpaca	meters	100	CDRRMO	Sorsogon City	Serviceable
Garmin GPS Map 78	unit	3	CDRRMO	Sorsogon City	Serviceable
Rope- Kernmantle Petzl 12.5 mm Vector Static	meters	300	CDRRMO	Sorsogon City	Serviceable
Pocket Mask (for CPR)	Pcs.	10	CDRRMO	Sorsogon City	Serviceable
Whistle (fox 40)	Pcs.	26	CDRRMO	Sorsogon City	Serviceable
Binocular (daylight)	Pcs.	3	CDRRMO	Sorsogon City	Serviceable
Rescue Basket	Pcs.	1	CDRRMO	Sorsogon City	Serviceable
Mask with snorkel	Pcs.	10	CDRRMO	Sorsogon City	Serviceable
Booties	pairs	10	CDRRMO	Sorsogon City	Serviceable
Wet suit(shorty)	Pcs.	10	CDRRMO	Sorsogon City	Serviceable
Cervical collar	Pcs.	9	CDRRMO	Sorsogon City	Serviceable
Bolt Cutter	Pcs.	3	CDRRMO	Sorsogon City	Serviceable
EMT Chest Rig	unit	10	CDRRMO	Sorsogon City	Serviceable
Base Radio ICOM M412	unit	1	CDRRMO	Sorsogon City	Serviceable
Scoop Stretcher (aluminum)	Pc.	1	CDRRMO	Sorsogon City	Serviceable
Folding Stretcher	Pc.	1	CDRRMO	Sorsogon City	Serviceable
Head Immobilization Blocks (adult)	set	3	CDRRMO	Sorsogon City	Serviceable
Head Immobilization Blocks (child)	set	3	CDRRMO	Sorsogon City	Serviceable
Pulse Oximeter	unit	2	CDRRMO	Sorsogon City	Serviceable

1.3 Needs Projection and Resource Gap Identification

		TARGET POPULATION		PROJECTED NEEDS								GAPS		
RESOURCE			STANDARDS	CURRENT QUANTITY		1 DAY	7 D	AYS	14 [DAYS			SOURCE	
	FAMILIES	PERSONS		QUANTITI	QTY	COST (PHP)	QTY	COST (PHP)	QTY	COST (PHP)	QTY	COST (PHP)		
/ehicle			800 Liters	400 liters		(1111)		(1 111)		(,	400 L	(1111)		
Gasoline Allocation (4														
Fire Trucks) Food and														
Water for														
the Responders														
Spine Board			20 pcs	2 pcs	18	P64, 800					18	P64, 800		
			(P3,600/pc)		pcs						pcs			
C-collar			2000 pcs	0	2000	P1,000,000					2000	P1,000,000		
			(P500/pc)		pcs						pcs			
Rubberized Splint			4000 pcs (P50/pc)	10 pcs	3990 pcs	P199,500					3990 pcs	P199,500		
Portable			20 pc	4 pcs	16	P32,000					16	P32,000		
Radio			(P2000/pc)		pcs						pcs			
Utility Ropes			100 m	0	100m	P10,000					100m	P10,000		
Kern Mantle			(P100/meter) 200 m	0	200m	P36,000					200m	P36,000		
Ropes Figure of 8			(P9,000/50m) 20 pcs	0							20			
Ring											pcs			
Pulley (Single			20 pcs (P1,200/pc)	0	20 pcs	P24,000					20 pcs	P24,000		
Mechanism)			(* 1,200,60)								F * *			
Pulley (Double			10 pcs (P2,500/pc)	0	10 pcs	P25,000					10 pcs	P25,000		
Mechanism)				0		D450 000						150.000		
Harness			50 pcs (P3000/pc)	0	50 pcs	P150,000					50 pcs	150,000		
Triangular			6000 pcs	30 pcs	5970	P298,500					5970	P298,500		
Bandages			(P50/pc)	30 pcs	pcs	F290,500					pcs	F 290,500		
Elastic			6000 pcs	5 pcs	5995	P299,750					5995	P299,750		
Bandages			-		pcs						pcs			
Cutting and Spreading			20 pcs	0							20 pcs			
Tool														
Axe			10 pcs	1 pc	9 pc	P6,750					9 pc	P6,750		
			(P750/pc)											
Pick head or Flat head			10 pcs (P750/pc)	1 pc	9 pc	P6,750					9 pc	P6,750		
				0	50	D40 500						D40 500		
Flash Lights			50 pcs (P250/pc)	0	50 pcs	P12,500					50 pcs	P12,500		
Search			20 pcs	0	20	P50,000					20	P50,000		
Lights			(P2,500/pc)		pcs						pcs			
First Aid Kit			10 pcs (0	10 pcs	P20,000					10 pcs	P20,000		
			P2,000/pc)								-			
Mega			10 pcs	0	10	P30,000					10	P30,000		
Phones			(P3,000/pc)		pcs						pcs			
Whistles			100 pcs	0	100	P5000					100	P5000		
vvilisties			(P50/pc)	O	pcs	1 3000					pcs	1 3000		
Safety Goggles			50 pcs (P150/pc)	0	50 pcs	P7,500					50 pcs	P7,500		
			, ,		,									
Life Jackets			50 pcs (P300/pc)	0	50 pcs	P15,000					50 pcs	P15,000		
			` '											
Ladder with Folding			10 pcs (P10,000/pc)	2 pcs	8 pcs	P80,000				1	8 pcs	P80,000		
Hooks			, , ,			D= =00						D= =00		
Working Gloves			50 pairs (P150/pc)	0	50 pairs	P7,500					50 pairs	P7,500		
			, , ,		·	D						D		
Surgical Gloves			500 pairs (50	0	500 pairs	P1,500					500 pairs	P1,500		
			Pairs/Box)		•									
			(P150/Box)											
Helmet			50 pcs (P1000/pc)	8 pcs	42	P42,000					42	P42,000		
Breathing			10 sets	0	pcs 10	P750,000					pcs 10	P750,000		
Apparatus Steel toe		-	(P75,000/set) 50 pairs	0	sets 50	P25,000					sets 50	P25,000		
boots			(P500/pair)		pairs						pairs			
Rescue Trousers			50 pairs (P500/pair)	0	50 pairs	P25,000		I			50 pairs	P25,000		
Reflectorize	d	1	50 pcs	0	50	P10,000				:	50	P10,000		
Jackets Hydration		1	(P200/pc) 10 Packs	0	pcs 10	P7,000					pcs 10	P7,000		
Packs			(P700/pc)		packs						packs	·		
Head Lamp			50 pcs (P750/pc)	0	50 pcs	P37,500			T	:	50 pcs	P37,500		
Knee/Elbow	,	1	50 pairs	0	50	P17,500				:	50	P17,500		
Pads	1	1	(P350/pair)	1	pairs	1			- 1	1.	pairs			

CLUSTER: Food and Non-Food

1.1 Needs and Activities Inventory

NEEDS THAT WILL ARISE	ACTIVITIES TO MEET THE NEEDS	AGENCIES LIKELY TO UNDERTAKE THE ACTIVITIES	TIME FRAME
Not enough food packs	 Early packing of relief goods Existence of an arrangement with the local supplier for the continuous supply during the disaster 	CSWDO and other stakeholders NFA, Business sector and LGU	1 st quarter
No available cooking utensils (evacuees)	Provision of kitchen community	CSWDO, CNAO, BDRRMC,	After the disaster (within 24 hours)
Availability of potable water in the evacuation centers	Provision of water tanks in every evacuation center	SCWD	Before and after the disaster

1.2 Resource Inventory

RESOURCE	UNIT	NUMBER	LOCATION	AGENCY/OFFICE	REMARKS
	CSWDO Staff	20	LGU	CSWDO	
	CNAO STAFF	3	LGU	CNAO	
Mannower	BNS	64	64 Barangays	СНО	
Manpower		100	citywide	Volunteers (multi-sector)	
	DCW	90	64 Barangays	CSWDO	
	BDRRMC	128	64 Barangays	BLGU	·

1.3 Needs Projection and Resource Gap Identification

		GET _ATION	ON		ED NEEDS	G	APS	SOURCES	
RESOURCE			STANDARD	CURRENT QTY	14 🗆	PAYS		1	
	FAM	IND		QIY	QTY	COST (PHP)	QTY	COST	
Rice	27,014	135,000	.33 kg/ person/ day	88,388 bags	15,600 bags (P1,250/bag)	P19,500,000.00			LDRRMF NGAs NGOs International Funding Source
Other Food Items	27,104	135,000	3 tin cans sardines/ 2 corned beef / ½ kl. Sugar/ 1 pack coffee/		27,104 packs per day/per family (P 102/family)	P 38,704,512.00			LDRRMF NGAs NGOs International Funding Source
Water	27,104	135,000	7.5 liters/ person/ day		14,175,000 liters				
Non Food Items	27,104	135,000	 1 Family Kit (1 towel, 1 bath soap, 1 btl. shampoo, 1 toothpaste, 5 toothbrush, 1 pack sanitary napkin, 1 btl. Mosquito repellant, 1 btl. alcohol) 1 blanket 1 mat 		27,104 pcs. (Family kit – P 195.00/pack, blanket – P 75 Mat – P 250)	P 14,094,080.00			LDRRMF NGAs NGOs International Funding Source
Establishment of Community Kitchen			1 community kitchen per evacuation center		50,000 x 372 ec	P 18,600,000.00			BLGU (Calamity Fund) with LGU Counterpart (LDRRMF)

CLUSTER: Education

1.1 Needs and Activities Inventory

NEEDS THAT WILL	ACTIVITIES TO MEET	AGENCIES LIKELY TO	TIMEFRAME
ARISE	THE NEEDS	UNDERTAKE THE	
		ACTIVITIES	
PROVISION OF TLS	Coordinate with	DepEd/DPWH/LGU	Immediately after
	DepEd Central Office		the disaster
PROVISION OF	Coordinate with	DepEd	Immediately after
LMS/IMS	DepEd Central Office		the disaster
REHABILITATION OF	Coordinate with	DepEd/DPWH	Immediately after
DAMAGED SCHOOL	DepEd Central Office		the disaster
BUILDINGS			
RESTORATION OF	Mobilization of School	DepEd	1 week after the
REGULAR CLASSES	Heads/teachers	Schools Division Office	disaster

1.2 Resource Inventory

RESOURCE	UNIT	NUMBER	LOCATION	AGENCY/OFFICE	REMARKS
Manpower	Personal	180	Every School	DepEd	With 2 Nurses
					and 1 EMT
Internet line	gadgets	1	SDO-	DepEd	With 4 SDO
			Command		Personnel
			Center		

1.3 Needs Projection and Resource Gap Identification

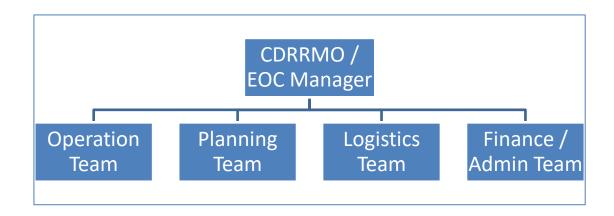
RESOURCE	TARG	ET POPULATION	STANDARDS	CURRENT QUANTITY				GA	APS .	SOURCES			
	FAMILIES	STUDENTS/PERSONS			1 DA	Y	7 D	AYS	14 DA	AYS			
					QTY	COST	QTY	COST	QTY	COST	QTY	COST	
						(PHP)		(PHP)		(PHP)		(PHP)	
Evacuation	6,400	32,000 persons	4:1 Family per	8:1 family	1,600						800		DepED
Centers	Families		classroom	per	classroom						classrooms		
			ratio	classroom									
				ratio									
TLS		17.056 students	40 students	100	128 TLS						298 TLS	55,432,000	DepEd/LGU
			per TLS	students									
				per TLS									
LMS		17,056 students	1:1	None	17,056						17,056	5,116,800	DepEd/LGU
					LMs						LMs		
VHF radio		90 DRRM personnel	1:1	0	90 units						90 units	360,000	LGU

CLUSTER: Health

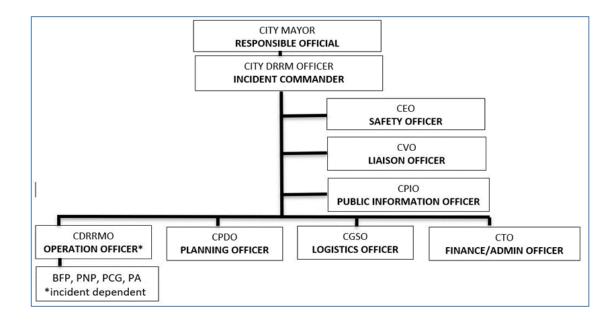
HEALTH EMERGENCY SERVICE/CLUSTER	STAFF	ROLES & RESPONSIBILITIES
Water Sanitation & Hygiene (WASH)	Marilou D. Arnaldo Raymund N. Gallinera Benito D. Diolata Jose Glenn M. Dichoso	PREPAREDNESS: • Provide support and recommendation in the preparedness effort like planning, trainings,
Nutrition in Emergency (NIE) Mental Health & Psychosocial Services (MHPSS) Basic Life Support (BLS)	Nerlyn N. Sta. Ana Marilou O. Jardin Maria Carmen A. Cal- Ortiz Imelda L. Gomez Cristina D. Amador Rea D. Jebulan Raymund N. Gallinera Rowell J. Ladesma Jose Glenn M. Dichoso Jomar V. Delima Gemenick Narvaez Ivan Marchan Gilbeys Danao Erlinda D. Boticario Maria Ellen Dollesin Reyshe Dogillo Mylen Pareja Joana D. Bangcuyo	program implementation and as resource person to such related activities. Contribute to the organization of network or cluster at all levels (regional and LGUs). Facilitate dissemination of policy, guidelines, standards, indicators, protocols, procedures for emergency management systems Promote staff capacity and other program development. Analyze needs and identifying resources. Assist in developing standard information and communication system which includes a mechanism for timely gathering, collating, analyzing, disseminating, and sharing
Surveillance in Post Extreme Emergencies & Disasters (SPEED) Risk & Crisis Communication in Health Emergency & Disaster	Dr. Reynario L. Rebustillo Sophia D. Dematera	 information/reports. Provide technical assistance and develop proposals. Coordinate with Operation Center/RHEMS Coordinators for all emergencies and disasters.
Disease Surveillance & Response	Ma. Socorro D. Dimaano Marites D. Derilo Ma. Carmen Cal-Ortiz Imelda L. Gomez	Response:

C. Command and Control

Emergency Operations Center (EOC) Organizational Structure:



Incident Command System – Incident Management Team (IMT)



CHAPTER IV. ACTIVATION, DEACTIVATION AND NON-ACTIVATION

Flowchart for Activation and De-Activation

