

## Province of Palawan and Puerto Princesa City



REGIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL MIMAROPA





Republic of the Philippines  
**Regional Disaster Risk Reduction and  
Management Council**  
MIMAROPA

**RDRRMC RESOLUTION NO. 001, S. 2022**

**“A RESOLUTION ENDORSING TO THE NATIONAL DISASTER RISK  
REDUCTION AND MANAGEMENT COUNCIL THE RESULTS OF THE POST  
DISASTER NEEDS ASSESSMENT CONDUCTED FOR THE MIMAROPA REGION,  
SPECIFICALLY PROVINCE OF PALAWAN, ON THE AFTERMATH OF TYPHOON  
ODETTE 2021 REQUESTING FUNDS THEREFORE IN THE AMOUNT OF  
TWENTY-FOUR BILLION NINE HUNDRED EIGHTY-SEVEN MILLION SIX HUNDRED  
SEVENTY-ONE THOUSAND FIVE HUNDRED SEVENTY-SIX PESOS AND FIFTY-EIGHT  
CENTAVOS (PHP 24,987,671,576.58)”**

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WHEREAS, from 15 December 2021 to December 18, 2021, the Philippines was ravaged by Typhoon “Odette”, leaving behind extensive losses and damages over MIMAROPA, Western Visayas, Central Visayas, Eastern Visayas, Northern Mindanao, and Caraga;

WHEREAS, Section 9 (m) of Republic Act 10121, states that one of the powers and functions of the Office of Civil Defense is to “Conduct early recovery and post-disaster needs assessment institutionalizing gender analysis as part of it”;

WHEREAS, NDRRMC Memo No. 153, s. 2021 dated 28 December 2021 directed the RDRRMCs of MIMAROPA, Western Visayas, Central Visayas, Eastern Visayas, Northern Mindanao, and Caraga to conduct Post Disaster Needs Assessment (PDNA) relative to the onslaught of Typhoon Odette;

WHEREAS, the PDNA provides a multi-sectoral and multi-disciplinary structure approach for assessing disaster impacts and prioritizes recovery and reconstruction needs in a process undertaken by the government agencies in collaboration with development partners and the private sector;

WHEREAS, the onslaught of Typhoon Odette which brought widespread damages, due to severe landslide and flooding severely affected the Province of Palawan and City of Puerto Princesa in the MIMAROPA Region. The wrath of this typhoon affected 118,256 families / 390,818 individuals, left PHP 4,398,929,808.04 worth of damages, PHP 4,251,364,421.54 worth of losses and urgent request for an amount of PHP 24,987,671,576.58 for the rehabilitation and recovery needs in the Province of Palawan and City of Puerto Princesa;

WHEREAS, the PDNA for the Province of Palawan and City of Puerto Princesa was conducted by the Regional, Provincial and City PDNA Teams through field visits, workshops, tabletop discussions, and meetings in partnership with the relevant RDRRMC Member Agencies and Local Government Units which composed the SOCIAL, PRODUCTIVE, INFRASTRUCTURE and CROSS SECTORAL Sectors;



NOW THEREFORE, be it resolved, as it is hereby resolved and consistent with the results of the PDNA process, to endorse to the National Disaster Risk Reduction and Management Council for funding consideration the attached priority and recovery and rehabilitation projects in the amount of Twenty-Four Billion Nine Hundred Eighty-Seven Million Six Hundred Seventy-One Thousand Five Hundred Seventy-Six Pesos and Fifty-Eight Centavos only (PHP 24,987,671,576.58);

SIGNED, this 16th day of February 2022 during Presentation of the Final Post Disaster Needs Assessment (PDNA) Report and Regional Rehabilitation and Recovery Plan (RRP) for Typhoon Odette held through video teleconferencing.

**APPROVED:**



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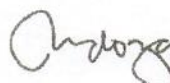


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16 Feb 2022

**RUBEN L. CARANDANG**  
Regional Director, OCD MIMAROPA  
Chairperson, RDRMC MIMAROPA

## ACKNOWLEDGMENTS

Our sincerest gratitude goes to the members of the Regional, Provincial, City, and Municipal Post Disaster Needs Assessment (PDNA) Teams from the Province of Palawan and City of Puerto Princesa who conducted actual field validation of reported data, gathering and collection of unreported data, consolidation of the damages, losses, and needs of the sectors, and formulation of the ranking and priority reconstruction and recovery activities in the affected areas in the Province of Palawan.

The computation of the extent of damages and impacts of Typhoon Odette on the lives of Palawenos and the actual field validation and assessment by all the members of PDNA was not an easy task, considering the constant presence of COVID-19 and Omicron variant threats in the area. Moreover, conducting field validation in a short period of time was also highly challenging especially because other target municipalities are located in geographically isolated and disadvantaged areas where the teams were required to use different modes of transportation just to be able to access the validation sites.

The overwhelming demands to fulfill the PDNA mission coupled with the time constraints in conducting the required assessment activities was indeed very stressful on the part of the teams. Despite the odds, however, we were able to accomplish the necessary requirements of the National Disaster Risk Reduction and Management Council (NDRRMC) on the PDNA final report through boundless patience, perseverance, professionalism, and enthusiasm of the RDRRMC, PDRRMC and CDRRMC PDNA teams. It was also quite memorable to each and every one of us in the team who conducted the field validation using the impressive Black Hawk helicopter from the Tactical Operations Group 7 of the Philippine Air Force for the Municipalities of Araceli and Cagayancillo, wooden banca in Snake Island, Puerto Princesa City, speedboat going to the island población barangay of the Municipality of Dumaran and, 4x4 vehicles to traverse the rough roads in the Municipalities of Taytay, Roxas, and San Vicente—just to ensure that the rehabilitation and recovery projects of the different municipalities of Palawan are included in the final PDNA report of the Region.

just to include the Programs/ Projects of the island Municipalities of Palawan in the final report of PDNA and RRP of the Region and to move forward for a safer adaptive resilient Filipino Communities towards a sustainable development and attaining a Build Back Better principle in the Rehabilitation and Recovery.

Sincerest gratitude goes to the tireless and diligent support from OCD Support Teams participated in by Ms. Nieves L. Bonifacio, Ms. Ma. Aiza S. Siason, Ms. Georgina G. Opinion, Ms. Allinah Janzen O. Magnaye, Mr. Anthony Zoleta all under the leadership of MGEN. RUBEN L. CARANDANG PAF (Ret); the PDNA Teams of the Province of Palawan, under the leadership of Gov. Jose Chaves Alvarez, Mr. Jerry Alili, Mr. Cruzalde Ablaña, Ms. Yanika Seratubias (PDRRMO Palawan), Ms. Rachel Paladan (PNAO), Engr. Ralf Anthony Monton (DepEd), Mr. Francis Ian Uapat, Mr. Welson T. Paz (DTI Palawan), Mr. Aldrin Villapa (BFAR Palawan), Ms. Jovita Ello (OPAG), Mr. Paulo Ciudad (PCA), Engrs. Princes Gallardo, Janel Hato (PEO), Jasmine Lagrada (PGP), Ms. Famie Bacomo (Palawan Water), Mr. Clod Cabalsa, Nimrod Maceda



(NIA), Mr. Patrick Atienza (DILG Palawan), Ms. Myra Mapanao (DENR-PENRO); Puerto Princesa PDNA teams under the Leadership of Mayor Lucilo Bayron, Mr. Earl Timbancaya, Mr. Lloyd Dela Cruz (CDRRMO), Mr. Gerado Reyes, Jr., Mr. Cardelar Stevie Angel M. Madrinan, Mr. Gerald D. Opiala (City ENRO), Ms. Rhea Kristine Aguilar, Ms. Estelita Dela Cruz (City Planning Office), Mr. Jerik Siason (City DILG), Ma. Socorro Silva (City Vet), Engr. Persius Daganta (OCBO), Ms. April Joy Benitez (CHO), Ms. Joy Tanay (DENR-CENRO), Ms. Tracy Mae Carpio, Ms. Mary Glor Simon (City PESO), Ms. Florita Cabanillas (City Anti-squatting), Ms. Mary Pearl Rodriguez (City CAN), Ms. Nadine Wakefield, Ms. Rachel Timbancaya (City Health), and Ms. Pauline Talisic (City Architect), Mr. Larson Gan Fortunado (DOLE Palawan), Ms. Nida Villadolid (City PESO), who provided all the support in the whole duration of the PDNA writeshop and field validation.

The same gratitude is extended to all participating PDNA team members who joined the field validation and submitted their outputs during the write shop from the Municipalities of Taytay, San Vicente, Roxas, Araceli, Dumaran, Cagayancillo, and Kalayaan.

And finally deep appreciation and gratitude to all the Regional Teams from Engr. Mark Jerome Limpiado, Engr. Oliver Mauleon (DPWH), Ms. Azeneth Trasmonte, Mr. Rowell Ramil Jacinto, Mr. Roldan Nicolas (DSWD); Engr Maximo Cabasal (NHA), Ms. Angelica Bandales, Ms. Arlene Pesito, Ms. Rica Graciosa Flores Mr. Louis Frederic Alconcel, Ms. Jerald Palomo and Marie Antonette Mcstay (DHSUD); Gilmore Apolinario, Faye Angeli Reyes (DOT), Lolaine Bagsic, Engr Harold Recto and Engr. Arnold Moreno (DepEd), Mr. Randy Pernia (DA), Mr Welson Paz (DTI) and Mr. Emmanuel Perez, (BFAR). Your dedication to this endeavor will bring hope to the life of every Palaweños.

Again, our heartfelt thanks to all the teams and members of the Regional DRRM Council, and Provincial, City, and Municipal DRRM Councils of Palawan who, in one way or another, assisted us in making this PDNA possible. Let us continuously make the people of Palawan safe and resilient to all types of disaster.

Mabuhay tayong lahat!



# ***EXECUTIVE SUMMARY***

## **HAZARD VULNERABILITY ASSESSMENT**

1. On 14 December 2021, a Severe Tropical Storm to the east of the Philippines entered the Philippine Area of Responsibility (PAR) and was named “ODETTE” (International Name “RAI”). ODETTE was the 15th tropical cyclone to enter PAR and was the strongest typhoon of 2021. On 15 December 2021, it intensified into a Typhoon (TY) and continued moving westwards. It reached its highest strength with up to 175 kph maximum sustained winds, gustiness of up to 240 kph, with central pressure of 935 hPa. It left PAR on 18 December 2021 as it exited through the West Philippine Sea.
2. Upon entry on 14 December 2021, Tropical Cyclone Wind Signal (TCWS) No. 1 was raised in some provinces of Eastern Visayas and Northern Mindanao. As Typhoon Odette continued to move westward, TCWS Nos. 1 up to 4 were raised in provinces of MIMAROPA, Western Visayas, Central Visayas, Eastern Visayas, Northern Mindanao, and Caraga.
3. In the MIMAROPA region, the following TCWS were hoisted as TY Odette traversed the Philippines: 15 December 2021 – TCWS No. 1 in Romblon; 16 December 2021 – TCWS No. 2 in Romblon, Oriental Mindoro, Occidental Mindoro, and Palawan, and TCWS No. 1 in Marinduque; 17 December 2021 – TCWS No. 3 in Palawan, TCWS No. 2 in Romblon, Oriental Mindoro, and Occidental Mindoro, and TCWS No. 1 in Marinduque; 18 December 2021 – TCWS No. 3 in Palawan; and, 19 December 2021 – TCWS No. 1 in Palawan.
4. TY Odette made nine (9) landfalls in the Philippines: (1) 1:30 PM, 16 December 2021 in Siargao Island, Surigao del Norte; (2) 3:10 PM, 16 December 2021 in Cagdianao, Dinagat Islands; (3) 4:50 PM, 16 December 2021 in Liloan, Southern Leyte; (4) 5:40 PM, 16 December 2021 in Padre Burgos, Southern Leyte; (5) 6:30 PM, 16 December 2021 in Pres Carlos Garcia, Bohol; (6) 7:30 PM, 16 December 2021 in Bien Unido, Bohol; (7) 10:00 PM, 16 December 2021 in Carcar, Cebu; (8) 12:00 AM, 17 December 2021 in La Libertad, Negros Oriental; (9) 5:00 PM: 17 December 2021 in Roxas, Palawan.
5. At 5:00 PM on 17 December 2021, the typhoon made its ninth landfall in Roxas, Palawan and has reached its peak strength over Palawan where it brought heavy to torrential rains and maximum wind signals of No. 3. At this point, most of the municipalities were able to conduct pre-emptive evacuations over their vulnerable and exposed population. On the same date as the typhoon crossed over mainland Palawan, all telecommunications disappeared and almost all areas of the province lost electrical power.



6. Initial reports of damages identified that at least four (4) major bridges in Puerto Princesa City leading to the northern municipalities have been heavily damaged and the North Highway has been effectively obstructed by heavy debris. Majority of the southern area of mainland Palawan only suffered power and signal reception outages with minimal to no structural damages except for the houses in the northwestern and northeastern part of Palawan. The response cluster, aerial surveys, and emergency radio communications were the temporary means of gathering reports which identified Roxas to have sustained a massive amount of damage and a number of casualties. Later on, it was also found out that Kalayaan, Araceli, San Vicente, Dumarán and a few areas in Taytay suffered severe damages as well. Further observations also indicated that a few other areas suffered moderate damages such as other parts of Taytay and Apurawan in Aborlan. Further, supplies were also difficult to transport in island municipalities such as Cagayancillo and the Cuyo Islands since the central mainland Palawan took large damages, although there were minimal to no damages in the mentioned municipalities.
7. The Province of Palawan, through the Provincial EOC and its response cluster, formed an initiative to first repair the damaged bridges and clear the North Highway to restore passage to all northern municipalities. At the same time, the IMT was activated to oversee the clearing operations and establish an alternate means of transport to the north. Alternate communications were also installed within the first week of impact. Relief operations were immediately activated as well with initial assistance first directed to Roxas, Araceli, and Kalayaan for sustaining the most damages. Relief operations are still continuing as of reporting time to provide assistance to all other affected areas.
8. Based on the collected summary of the damage assessment reports of the LDRRMCs and in close coordination with the RDRRMC member agencies, a total of 259,427 individuals with at least 61,498 families have been affected by Typhoon Odette in the Province of Palawan. Most of them are from Taytay with 64,498 individuals / 12,455 families and Roxas with 89,164 / 22,654 families. As of 08 January 2022, 16 evacuation centers are still being used to cater the 569 individuals of 129 families in the Municipalities of Araceli, Roxas, and Kalayaan. A total of 378 evacuation centers catered to a total number of families of 30,850 and 133,559 individuals.
9. As per data gathered, 24 municipalities/ city were affected by Typhoon Odette in Palawan, out of 24 municipalities/ city, a total of 18 municipalities/ city were severely damaged by Typhoon Odette. There are twenty-seven (27) casualties have been recorded of which twenty-five (25) individuals were dead, four (4) missing and two (2) persons were injured.



## DAMAGE AND LOSS ASSESSMENT

1. As a whole, the damage for all sectors is estimated at **PHP 4,398,929,808.04** and the estimated total losses to the economy amount to **PHP 4,251,364,421.54**. Overall, the recovery and reconstruction needs are estimated to reach **PHP 24,987,671,576.58**.

Table 1: Summary of Damages, Losses and Needs in MIMAROPA Region

SECTOR	DAMAGES	LOSSES	NEEDS
<b>SOCIAL</b>			
HOUSING	1,522,952,856.97	2,020,603,241.25	19,655,577,500.00
EDUCATION	694,240,222.18	4,737,500.00	1,223,457,251.03
HEALTH	39,938,478.77	864,818.55	54,841,760.07
<b>Sub-Total</b>	<b>2,257,131,557.92</b>	<b>2,026,205,559.80</b>	<b>20,933,876,511.10</b>
<b>PRODUCTIVE</b>			
AGRICULTURE			
• Crops	213,209,474.29	1,298,410,589.90	852,747,372.00
• Fisheries	814,886,414.58	435,738,911.00	748,491,250.00
• Livestock and Poultry		62,642,098.50	106,351,405.00
• Irrigation Facilities	5,200,000.00		10,400,000.00
• Agricultural Assets	15,934,000.00		31,110,500.00
IRRIGATION FACILITIES	61,184,736.00	79,237,965.00	85,615,774.00
TRADE INDUSTRY & SERVICES	342,458,694.00	217,540,702.01	464,219,806.87
TOURISM	3,695,000.00	274,000.00	4,718,750.00
<b>Sub-Total</b>	<b>1,456,568,318.87</b>	<b>2,093,844,266.41</b>	<b>2,303,654,857.87</b>
<b>INFRASTRUCTURE</b>			
TRANSPORTATION			
• Roads	81,098,625.00	6,792,503.08	302,782,549.20
• Bridges	159,980,000.00	3,847,000.00	572,198,791.13
• Flood Control	20,764,500.00	25,500.00	43,792,700.00
• Irrigation Facilities	28,225,682.76	120,000.00	35,161,738.79
• Ports (Airport, Seaport)	16,755,175.00	170,000.00	38,852,062.05
POWER	57,266,405.90	39,764,228.35	115,642,994.87
WATER	35,397,228.00	48,955,280.03	51,673,265.92
<b>Sub-Total</b>	<b>399,487,616.66</b>	<b>99,674,511.46</b>	<b>1,160,104,101.96</b>
<b>CROSS SECTORAL CONCERNS &amp; HUMAN RECOVERY NEEDS ASSESSMENT</b>			
Governance and DRRM	188,531,206.75	5,350,502.30	452,835,416.24
Environment	97,211,107.84	19,442,221.57	116,653,329.41
Livelihood and Employment		6,847,360.00	20,547,360.00
<b>Sub-Total</b>	<b>285,742,314.59</b>	<b>31,640,083.87</b>	<b>590,036,105.65</b>
<b>GRAND TOTAL</b>	<b>4,398,929,808.04</b>	<b>4,251,364,421.54</b>	<b>24,987,671,576.58</b>

## 2. SOCIAL SECTOR

- A. HOUSING.** Damages of PHP 1,522,952,856.97 is estimated based on 89,782 housing units in Palawan Province and Puerto Princesa City wherein 15,463 housing units were reported totally damaged in the region accounted

for PHP 602,317,914.27 while 74,319 partially damaged housing units amounting to PHP 920,634,942.70. The total value of losses identified for the housing sector has been estimated at PHP 2,020,603,241.25 and needs amounting to PHP 19,655,577,500.00.

**B. HEALTH.** The damage to the health facilities amounted to PHP 39,938,478.77 and cost the department with PHP 864,818.55 for the losses. The PHP 54,841,760.07 is needed for the reconstruction and recovery of this sector.

**C. EDUCATION.** There were nine (9) municipalities and one city that were heavily affected in the Region. A total of 156 elementary schools and 37 high schools has major damages, while 1,493 classrooms were affected during the typhoon that hit the Region. On the other hand, the total losses were PHP 4,737,500.00 with the needs that total PHP 1,223,457,251.03.

### 3. PRODUCTIVE SECTOR

**A. AGRICULTURE.** The total damage to this sub-sector is amounting to PHP 1,049,229,888.87. The total losses incurred up to PHP 1,796,791,599.40 while the amount needed for the reconstruction and recovery needs is PHP 1,749,100,527.00. The assessment on this sector includes the crop production, livestock and poultry, fisheries, irrigation facilities and agriculture assets.

**B. TOURISM.** Recorded damages caused by Typhoon Odette in the tourism sector amounted to more than PHP 342,458,694.00 while reported losses submitted amounted to PHP 217,540,702.01 and PHP 464,219,806.87 is the total amount of needs reported for the repair, reconstruction and recovery.

**C. INDUSTRY, TRADE AND SERVICES.** The total damages for the region of MIMAROPA are PHP 61,184,736.00 while the losses are at PHP 79,237,965.00 and needs amounting to PHP 85,615,774.00.

**D. MINING.** The cost of damages to the mining sector reached PHP 3,695,000.00 which accounted for the damaged backhoes, payloaders, and trucks used for sand and gravel extraction activities. The industry also incurred economic losses amounting to PHP 274,000.00 due to a period of non-operation and the unexpected expenses from debris clean up. The required cost for repairs, acquisition of new equipment and machineries, and employment of recovery strategies is estimated to be PHP 4,718,750.00.



## 4. INFRASTRUCTURE SECTOR

### A. TRANSPORTATION

**A.1. ROADS.** The estimated damage cost to road networks due to soil collapse/erosions and flooding accumulated to PHP 81,098,625.00. These includes national roads (PHP 78,280,000.00), provincial roads (PHP 750,000.00), Municipal Roads (PHP 1,968,625.00) and Barangay Roads (PHP 100,000.00). PHP 6,792,503.08 was computed as losses due to temporary repairs and conducted clearing operations in road networks to remove obstruction such as soil collapse, fallen rocks and toppled trees. While the total estimated amount for rehabilitation adopting the build-back-better principle to reconstruct and restore road networks sums up to PHP 302,782,549.20.

**A.2. BRIDGES.** Computed cost of damage on bridge structures is PHP 159,980,000.00. The figure includes cost of damage in provincial bridges, municipal and barangay footbridges and spillways. Rehabilitation and improvement of bridge structures yielded PHP 572,198,791.13 while losses recorded for immediate repairs and clearing operation cost amounted to PHP 3,847,000.00

**A.3. PORTS (SEAPORTS).** Cost of damage in Port facilities computed to a total of PHP 16,755,175.00 with declared losses of PHP 170,000.00 due to forgone income during the calamity and temporary repairs in the facilities. Estimated reconstruction and improvement costs sums up to PHP 38,852,062.05.

**A.4. FLOOD CONTROL.** Damage costs PHP 20,764,500.00 on flood control and seawall structures. PHP 25,500.00 declared losses due to immediate and temporary repair on the affected structure. While, estimated cost for rehabilitation and improvement of flood controls and seawall structures is PHP 43,792,700.00.

**B. WATER.** The cost of damage for the water sector reached PHP 35,397,228.00 for the affected areas consisting of partially damaged pipelines, fittings and pumping stations. The affected areas also incurred economic loss amounting to PHP 48,955, 280.03 due to forgone income. Required cost for rehabilitation and repairs amounted to PHP 51,673,265.92.

**C. POWER.** The cost of damage to power sector majority of which are from the distribution lines reached PHP 57,266,405.89 consisting of broken and leaning poles, cut off distribution lines, defective transformers, meters and service drops in distribution lines. Economic loss amounted to PHP 39,764,228.35 resulting from the damages that the distribution line. The total reconstruction and recovery needs for Power Sector sum up to PHP 115,642,994.87.

- D. IRRIGATION.** The cost of damage for irrigation facilities reached PHP 28,225,682.76 for major and minor damages of irrigation canals, brush dam and HDPE Pipes. The Sector needs PHP 35,161,738.79 for the reconstruction of the damaged facilities and structure. The Batang-Batang RIS incurred economic loss due to forgone income and for the cost of repairs amounting to PHP 120,000.00.

## **HUMAN RECOVERY NEEDS ASSESSMENT AND CROSS-SECTORAL CONCERNS**

- 5. GOVERNANCE AND DRRM.** The impact of Typhoon Odette to government infrastructures in the Province of Palawan and Puerto Princesa City has an estimated damage worth PHP 188,531,206.75 and losses worth PHP 5,350,502.30. The total estimated needs for recovery and reconstruction in the government sub-sector is pegged at PHP 452,835,416.24. The province of Palawan recorded the largest amount of estimated needs worth PHP 390,438,782.94.
- 6. ENVIRONMENT.** Typhoon Odette greatly affect the Palawan province particularly Puerto Princesa City. Initial assessment of the damages to our environment, particularly in our National Greening Program (NGP) Areas. Out of 1,150 hectares plantation established in 2017 and 2018, 931 has. were affected by typhoon Odette with a damaged cost amounting to PHP 97,211,107.84. Losses incurred from these damages amounted to PHP 19,442,221.57 or a total damaged incurred of PHP 116,653,329.41. The damaged plantations were located at Barangays Binduyan, San Rafael and Langogan, Puerto Princesa City, Palawan.
- 7. LIVELIHOOD AND EMPLOYMENT.** A total of 1,663 workers were affected with an estimated loss of income for 21,398 days from employment, amounting to PHP 6,847,360.00. Other establishments visited were no longer operational due to pandemic and therefore, no longer offering employment at the time Typhoon Odette brought destruction. The estimated cost for rehabilitation and recovery amounts to PHP 20,547,360.00
- 8. SOCIAL IMPACT ASSESSMENT.** Based on the reported number of families affected, a total of 118,256 Families or 390,818 individuals were affected by the effects of Super Typhoon "Odette". 46.58% of the total affected families were displaced and took temporary shelter to at least 613 activated evacuation centers, while 7.97% preferred to stay with their relatives, or make rentals.

The series of moderate to heavy rains with strong/gusty winds that prevails for 3 hours has led to destruction of lives and properties. At least 108 casualties were reported with 78 injured, 5 missing, and 25 confirmed deaths. Consequently, upon consolidation of reports gathered from the concerned LGUs a total of 80,897 houses were damaged, composed of 14,231 totally damaged houses and 66,666 partially damaged houses. Shelters along the



coastal lines and mountainous areas of the province were washed out, leaving them with nothing to save.

Based on the assessment and evaluation of the present condition of affected populace several programs and intervention are needed to be implemented to ensure that immediate recovery will take place. Provision of relief assistance such as food and non-food items to still needing communities/ families and individuals should be continuously given; Cash For Work to assist the greatly affected farmers and fisherfolks so they can have an income to support everyday needs and somewhat address financial difficulties particularly during lean season; temporary housing solution for households are totally destroyed; Cash assistance to support the repair and reconstruction of partially damaged houses; Livelihood assistance for farmers and fisherfolks so they can start re-farming and fishing; relocation for those living in danger zone and continuous provision of psychosocial intervention for families and individuals who suffered trauma and difficulty to cope due to great loss.

**9. SOCIAL PROTECTION, GENDER AND LIVELIHOOD.** After the devastation Typhoon “Odette”. The whole populace of Palawan was trying to cope and continue their lives. Most men and their sons returned to their respective homes to try to fix their houses and do community works. Women, after securing food for their children, tried to do some community works for additional income while the eldest daughters took care of their youngest siblings. With their family support and the medical team around, the elderly, children, and persons with disabilities tried to cope despite of the congestion in the evacuation centers. In spite of the situation, these affected families had three light meals in a day depending solely in the family food packs given in each evacuation centers of the Local Government Units, National Agencies and Non-Government Organizations (NGOs).

**10. MACROECONOMIC IMPACT.** Based on the 2020 regional accounts released by PSA, the region’s economy contracted from 4.3% in 2019 to -7.6% in 2020 (refer to Table 57). This was the first time since 2001 that the regional economy has plunged and when PSA revised and rebased the regional accounts.

All major sectors contracted, where deceleration in the industry and services sectors weighed heavily on the region’s economy. Among the major sectors, services recorded the lowest contraction of 9.2%. This was followed by Industry Sector with -8.2%, and agriculture, forestry, and fishing with -2.2%.

This can be attributed to the effect of the COVID-19 pandemic and the imposition of community quarantine in the entire country. Generally, guidelines on community quarantine allows private and commercial establishments offering basic necessities to remain operational. These include establishments providing services related to food, health, banking, and financial remittances, basic utilities on communications, power, and water, among others. This means that losses in these sectors are likely to be lower.

## LIST OF TABLES

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Table 1	Summary of Damages, Losses and Needs in MIMAROPA Region
Table 2	Summary of Damages, Losses and Needs for Social Sector
Table 3	Summary of Damages in Housing Sector
Table 4	Total Losses Incurred in Housing Sector in Puerto Princesa City and Palawan
Table 5	Reconstruction and Recovery Needs for Housing and Resettlements
Table 6	Over-All Impact of TY “Odette” to the Education Sector
Table 7	Summary of Damages, Losses and Needs Assessment in Education Sector
Table 8	Breakdown of Damages Per Schools Division Offices
Table 9	Breakdown of Losses per Schools Division Offices
Table 10	Breakdown of Needs per Schools Division Offices for 2022-2023
Table 11	Reconstruction and Recovery Framework for Education Sector
Table 12	Over-All Impact of Typhoon Odette to the Health Sector
Table 13	Summary of Damages, Losses and Needs Assessment in Health Sector
Table 14	Breakdown of Damages Per Health Office
Table 15	Breakdown of Losses Per Health Office
Table 16	Breakdown of Needs per Health Office
Table 17	Reconstruction and Recovery Framework for Health Sector
Table 18	Summary of Damages, Losses and Needs for the Agriculture Sub-sector
Table 19	Summary of Recovery and Reconstruction Needs for Crops, Livestock, and Agriculture Assets
Table 20	Summary of Recovery and Reconstruction Needs for Fisheries
Table 21	Summary of Damages and Losses Tourism Sub-Sector
Table 22	Summary of Recovery and Reconstruction Needs in the Tourism Sub Sector
Table 23	Summary of Damages, Losses and Needs in the City and Municipalities under Industry, Trade and Services
Table 24	Reconstruction and Recovery Framework for Industry, Trade and Services
Table 25	Summary of Damages, Losses, and Needs of the Mining Industry in Palawan Province
Table 26	Summary of Recovery and Reconstruction Needs in the Mining Sub Sector
Table 27	Summary of Damages, Losses and Needs for Infrastructure Sector
Table 28	Summary of Damages, Losses and Needs for Roads
Table 29	Priority Ranking for Reconstruction and Recovery Needs for Roads
Table 30	Summary of Damages, Losses and Needs for Bridges
Table 31	Priority Ranking for Reconstruction and Recovery Needs for Bridges
Table 32	Summary of Damages, Losses and Needs for Ports
Table 33	Priority Ranking for Reconstruction and Recovery Needs for Ports
Table 34	Reconstruction and Recovery Needs for Roads
Table 35	Reconstruction and Recovery Needs for Bridges
Table 36	Reconstruction and Recovery Needs for Ports
Table 37	Summary of Damages, Losses and Needs for Flood Control Sub-Sector



Table 38	Priority Ranking for Reconstruction and Recovery Needs for Flood Control
Table 39	Reconstruction and Recovery Needs for Flood Control
Table 40	Summary of Damages, Losses and Needs for Water Sub-Sector
Table 41	Priority Ranking for Reconstruction and Recovery Needs for Water Sub-Sector
Table 42	Reconstruction and Recovery Needs for Water Sub-Sector
Table 43	Summary of Damages, Losses and Needs for Power Sub-Sector
Table 44	Priority Ranking for Reconstruction and Recovery Needs for Power Sub-Sector
Table 45	Priority Ranking for Reconstruction and Recovery Needs for Power Sub-Sector
Table 46	Summary of Damages, Losses and Needs for Irrigation Sub-Sector
Table 47	Priority Ranking for Reconstruction and Recovery Needs for Irrigation Sub-Sector
Table 48	Reconstruction and Recovery Needs for Irrigation Sub-Sector
Table 49	Summary of Damages, Losses and Needs Assessment in Government Facilities
Table 50	Priority ranking of projects, programs, and activities for reconstruction and recovery in governance and DRRM Sub-sector
Table 51	Rehabilitation and recovery needs for governance and DRRM Sub-sector
Table 52	Summary of Damages, Losses and Needs Assessment in Environment Sector for Areas Affected by Typhoon Odette
Table 53	Priority ranking of projects, programs, and activities for recovery needs for environment sub-sector
Table 54	Reconstruction and recovery needs for environment sub-sector
Table 55	Summary of Data Gathering under Livelihood and Employment
Table 56	Rehabilitation and recovery needs for Livelihood and Employment Sub-sector
Table 57	Economic Performance by Sector and Subsector, Palawan, 2019-2020 (at constant 2018 prices, in percent except GVA)
Table 58	Economic Performance by Sector and Subsector, Palawan, 2019-2020 (at constant 2018 prices, in percent except GVA)
Table 59	Summary of damages, losses, and needs by sector and subsector, Palawan, 2021-2028 (in Pesos)
Table 60	Impact of losses incurred to GRDP by industry, MIMAROPA, 2022 (in Pesos, except growth rate in percent)
Table 61	Impact of losses incurred to GDP by industry, Palawan, 2022 (in Peso, except growth rate in percent)
Table 62	Consumer price index, inflation rate, and purchasing power of peso, Palawan, 2020-2021
Table 63	Labor and Employment Statistics, MIMAROPA, 2020-2021
Table 64	Estimated loss of income of selected establishments, Puerto Princesa City

## LIST OF FIGURES

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- Figure 1      Track of Typhoon Odette  
Figure 2      Inflation rate by quarter and province, MIMAROPA, 2020-2021



## ACRONYMS and ABBREVIATIONS

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BBB	Build Back Better
BFAR	Bureau of Fisheries and Aquatic Resources
CAAP	Civil Aviation Authority of the Philippines
COVID-19	Coronavirus Disease-2019
CRRP	Comprehensive Rehabilitation and Recovery Plan
CSO	Civil Society Organization
DA	Department of Agriculture
DALA	Damages and Losses Assessment
DENR	Department of Environment and Natural Resources
DepEd	Department of Education
DILG	Department of Interior and Local Government
DOH	Department of Health
DOLE	Department of Labor and Employment
DOT	Department of Tourism
DPWH	Department of Public Works and Highways
DHSUD	Department of Human Settlements and Urban Development
NHA	National Housing Authority
DRRM	Disaster Risk Reduction and Management
DSWD	Department of Social Welfare and Development
DTI	Department of Trade and Industry
ECLAC	Economic Commission for Latin America and the Caribbean
GDP	Gross Domestic Product
GRDP	Gross Regional Domestic Product
HRNA	Human Recovery Needs Assessment
IEC	Information and Education Campaign
ITS	Industry Trade and Services
LGU	Local Government Unit
LPA	Low Pressure Area
PALECO	Palawan Electric Cooperative
MDRRMO	Municipal Disaster Risk Reduction and Management Officer/Office
MSWDO	Municipal Social Welfare and Development Officer
NEDA	National Economic and Development Authority
NGA	National Government Agency
NGO	Non-Government Organization
OCD	Office of Civil Defense
PAGASA	Philippine Atmospheric, Geophysical and Astronomical Services Administration
PAR	Philippine Area of Responsibility
PDNA	Post Disaster Needs Assessment
PDRRMO	Provincial Disaster Risk Reduction Management Officer/Office
CDRRMO	City Disaster Risk Reduction Management Officer/Office
PPP	Public Private Partnership
PPP	Purchasing Power of the Peso
RDRRMC	Regional Disaster Risk Reduction and Management Council
RLA	Regional Line Agency

RRP	Rehabilitation and Recovery Plan
TESDA	Technical Education and Skill Development Authority
TCWS	Tropical Cyclone Warning Signal
TD	Tropical Depression
TS	Tropical Storm
STS	Severe Tropical Storm
TY	Typhoon
TY	Super Typhoon
UNDP	United Nations Development Program
WASH	Water Sanitation and Hygiene
NCIP	National Commission on Indigenous People

## TABLE OF CONTENTS

<b>ACKNOWLEDGMENTS.....</b>	<b>4</b>
<b>EXECUTIVE SUMMARY.....</b>	<b>6</b>
<b>HAZARD VULNERABILITY ASSESSMENT.....</b>	<b>6</b>
<b>DAMAGE AND LOSS ASSESSMENT .....</b>	<b>8</b>
<b>HUMAN RECOVERY NEEDS ASSESSMENT AND CROSS-SECTORAL CONCERNS</b>	<b>11</b>
<b>LIST OF TABLES</b>	
.....	13
<b>LIST OF FIGURES</b>	
.....	15
<b>ACRONYMS and ABBREVIATIONS</b>	
.....	16
<b>TABLE OF CONTENTS</b>	
.....	18
<b>INTRODUCTION</b>	
.....	22
<b>PART I: HAZARD AND VULNERABILITY ASSESSMENT</b>	
.....	26
<b>PART 2: DAMAGE AND LOSSES ASSESSMENT.....</b>	<b>30</b>
<b>2.1 SOCIAL SECTOR.....</b>	<b>30</b>
<b>2.1.1 HOUSING SUB-SECTOR .....</b>	<b>32</b>
OVERVIEW .....	32
IMPACT .....	33
DAMAGES, LOSSES AND NEEDS ASSESSMENT .....	34
POLICY AND PROGRAM RECOMMENDATIONS FOR THE HOUSING SUB-SECTOR .....	39
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE HOUSING SUB- SECTOR.....	40
<b>2.1.2 EDUCATION SUB-SECTOR.....</b>	<b>48</b>
OVERVIEW .....	48
IMPACT .....	49
DAMAGES, LOSSES, AND NEEDS ASSESSMENT .....	51



POLICY AND PROGRAM RECOMMENDATIONS FOR THE EDUCATION SUB--SECTOR .....	54
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR EDUCATION SUB-SECTOR .....	55
<b>2.1.3 HEALTH SUB-SECTOR.....</b>	<b>57</b>
OVERVIEW .....	57
IMPACT .....	57
DAMAGES, LOSSES AND NEEDS ASSESSMENT .....	59
POLICY AND PROGRAM RECOMMENDATION FOR THE HEALTH SUB-SECTOR .....	61
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR HEALTH SUB-SECTOR.....	62
<b>2.2   PRODUCTIVE SECTOR.....</b>	<b>67</b>
<b>2.2.1 AGRICULTURE SUB-SECTOR .....</b>	<b>67</b>
OVERVIEW .....	67
IMPACT .....	67
DAMAGE, LOSS AND NEEDS ASSESSMENT .....	68
POLICY AND PROGRAM RECOMMENDATION FOR THE AGRICULTURE SUB-SECTOR .....	69
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE AGRICULTURE SUB-SECTOR .....	70
<b>2.2.2 TOURISM SUB-SECTOR.....</b>	<b>72</b>
OVERVIEW .....	72
IMPACT .....	72
DAMAGES, LOSSES, AND NEEDS ASSESSMENT .....	73
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE TOURISM SUB-SECTOR.....	73
<b>2.2.3 INDUSTRY, TRADE AND SERVICES SUB SECTOR .....</b>	<b>75</b>
OVERVIEW .....	75
IMPACT .....	75
DAMAGES, LOSSES, AND NEEDS ASSESSMENT .....	76
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE TRADE & INDUSTRY SERVICES SUB-SECTOR.....	76
<b>2.2.4 MINING INDUSTRY SUB-SECTOR.....</b>	<b>77</b>
OVERVIEW .....	77
IMPACT .....	77
DAMAGES, LOSSES, AND NEEDS ASSESSMENT .....	78
POLICY AND PROGRAM RECOMMENDATIONS FOR THE MINING INDUSTRY SUB-SECTOR.....	78
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR MINING INDUSTRY SUB-SECTOR .....	79
<b>2.3 INFRASTRUCTURE SECTOR.....</b>	<b>80</b>
<b>2.3.1 TRANSPORTATION SUB-SECTOR.....</b>	<b>80</b>
OVERVIEW .....	80
IMPACT .....	80

DAMAGES, LOSSES AND NEEDS ASSESSMENT .....	81
POLICY AND PROGRAM RECOMMENDATION for TRANSPORTATION SUB-SECTOR .....	88
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR TRANSPORTATION SUB-SECTOR.....	88
<b>2.3.2 FLOOD CONTROL SUB-SECTOR.....</b>	<b>101</b>
OVERVIEW .....	101
IMPACT .....	102
DAMAGES, LOSSES, AND NEEDS ASSESSMENT .....	102
POLICY AND PROGRAM RECOMMENDATION FOR FLOOD CONTROL SUB-SECTOR .....	104
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR FLOOD CONTROL SUB-SECTOR.....	104
<b>2.3.3 WATER SUB-SECTOR .....</b>	<b>106</b>
OVERVIEW .....	106
IMPACT .....	106
DAMAGES, LOSSES AND NEEDS ASSESSMENT .....	106
POLICY AND PROGRAM RECOMMENDATION FOR WATER SUB-SECTOR .....	109
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR WATER SUB-SECTOR .....	109
<b>2.3.4 POWER SUB-SECTOR.....</b>	<b>114</b>
OVERVIEW .....	114
IMPACT .....	114
DAMAGES, LOSSES AND NEEDS ASSESSMENT .....	114
POLICY AND PROGRAM RECOMMENDATION FOR THE POWER SUB-SECTOR .....	116
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR POWER SUB-SECTOR .....	117
<b>2.3.5 IRRIGATION SUB-SECTOR .....</b>	<b>117</b>
OVERVIEW .....	117
IMPACT .....	118
DAMAGES, LOSSES AND NEEDS ASSESSMENT .....	118
POLICY AND PROGRAM RECOMMENDATION FOR IRRIGATION SUB-SECTOR.....	119
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR IRRIGATION SUB-SECTOR .....	119
<b>2.3.6 TELECOMMUNICATIONS SUB-SECTOR.....</b>	<b>120</b>
OVERVIEW .....	120
<b>2.4 HUMAN RECOVERY NEEDS ASSESSMENT AND CROSS-SECTORAL CONCERNS.....</b>	<b>121</b>
<b>2.4.1 GOVERNANCE AND DRRM SUB-SECTOR.....</b>	<b>121</b>
OVERVIEW .....	121
IMPACT .....	121
DAMAGES, LOSSES AND NEEDS .....	122
POLICY AND PROGRAM RECOMMENDATION FOR THE GOVERNANCE SUB-SECTOR .....	153

RECONSTRUCTION AND RECOVERY FRAMEWORK FOR GOVERNANCE AND DRRM SUB-SECTOR .....	154
<b>2.4.2 ENVIRONMENT ASSESSMENT .....</b>	<b>200</b>
DAMAGES, LOSSES AND NEEDS ASSESSMENT .....	200
POLICY AND PROGRAM RECOMMENDATION FOR THE ENVIRONMENT SUB-SECTOR .....	201
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR ENVIRONMENT SUB-SECTOR.....	201
<b>2.4.3 DRRM ASSESSMENT .....</b>	<b>202</b>
UTILIZATION OF VARIOUS DRRM TOOLS PRIOR TO THE DISASTER .....	202
CHALLENGES FACED .....	202
LESSONS LEARNED AND RECOMMENDATIONS.....	204
<b>2.4.4 LIVELIHOOD AND EMPLOYMENT .....</b>	<b>206</b>
OVERVIEW .....	206
IMPACT .....	206
POLICY AND PROGRAM RECOMMENDATION FOR LIVELIHOOD AND EMPLOYMENT SUB-SECTOR .....	208
RECONSTRUCTION AND RECOVERY FRAMEWORK FOR LIVELIHOOD AND EMPLOYMENT SUB-SECTOR .....	208
<b>2.4.5 HUMAN RECOVERY AND NEEDS ASSESSMENT .....</b>	<b>209</b>
<b>2.4.6 MACROECONOMIC IMPACT .....</b>	<b>210</b>



## INTRODUCTION

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Typhoon “Rai” known in the Philippines as Typhoon “Odette” was a powerful and catastrophic tropical cyclone that struck and impacted the Philippines in the middle of December 2021. This is the 15th typhoon that hit the country in 2021. It was a Low-Pressure Area or LPA outside the Philippine Area of Responsibility (PAR) Southeast of Palau and developed into a tropical depression on Dec. 12, 2021. Based on the forecast of typhoon Odette by PAGASA, the tracks of this typhoon were concentrated in Regions of MIMAROPA, Western Visayas, Central Visayas, Eastern Visayas, Northern Mindanao and CARAGA.

On December 13 to 14 “Rai” STS Odette maintained its strength as it continue to move west NW ward direction and entered the Philippine Area of Responsibility and intensify into a Category 3 and 4 typhoon as it moved through the Philippines in a Northwestward direction over the Philippine seas east of Mindanao towards Caraga, Eastern Visayas and at by 5:00AM of Dec 16 it further intensifies as it continues to approach the vicinity of Dinagat Islands, Surigao Provinces, Southern Leyte, Eastern portion of Bohol, Dinagat Islands Surigao del Norte including Siargao and Bucas Grande Island, Liloan, Panoan Island Southern Leyte, Pres. Carlos Garcia, Bohol, Carcar Cebu, Libertad Negros Oriental, Panay Gulf traversing Sulu Sea approaching Palawan Area. Super Typhoon Odette international Name Rai made several landfalls with winds remained to 150 mph to 160 mph.

Based on PAGASA Weather Bulletin of 2:00 PM, Northern portion of Palawan was placed under signal no. 3 early Friday of 17 December 2021 covering the municipalities of El Nido, Taytay, Araceli, Dumarán, Roxas, San Vicente, Puerto Princesa City, including Cagayancillo and Cuyo Islands.

On 17 December 2021, TY Odette has reached its peak strength over Palawan where it brought heavy to torrential rains and maximum wind signals of #3. By this point, most of the municipalities were able to conduct pre-emptive evacuations over their vulnerable exposed population. On that same date as the typhoon crosses over mainland Palawan, all telecommunications disappeared and almost all areas of the province lost power.

Massive destruction in the Northern part of Palawan including the Northwestern and Northeastern part of Puerto Princesa City with initial report of identified damages for at least 4 major bridges in Puerto Princesa City leading to the northern municipalities have been heavily damaged and the North Highway has been effectively obstructed by heavy debris. Majority of the southern area of mainland Palawan only suffered power and signal reception outages with minimal to no structural damages. The Response cluster, aerial surveys, and emergency radio communications were the temporary means of gathering reports which identified Roxas to have sustained a massive amount of damage and a number of casualties. Later on, it was also found out that Kalayaan, Araceli, San Vicente, Dumarán and a few areas in Taytay suffered severe damages as well. Further observations also indicate that a few other areas suffered moderate damages such as other parts of Taytay and Apurawan in Aborlan. Further, supplies were also difficult to transport in island municipalities such as

Cagayancillo and the Cuyo Islands since the central mainland Palawan took large damage, although they have minimal to no damages in their municipalities.

The Province of Palawan through the Provincial EOC and its response cluster formed an initiative to first repair the damaged bridges and clear the North Highway to restore passage to all northern municipalities. At the same time, the IMT was activated to oversee the clearing operations and establish an alternate means of transport to the north. Alternate communications were also installed within the first week of impact. Relief operations were immediately activated as well with initial assistance first directed to Roxas, Araceli, and Kalayaan for sustaining the most damages. Relief operations are continued to present to provide assistance to all other affected areas.

Due to wide scale destruction and adverse impact and devastation caused by TY “Odette” Governor Jose Chavez Alvarez through the Sangguniang Panlalawigan declared the province of Palawan under the State of Calamity through Resolution No. 16377 s, 2021 during the 120<sup>th</sup> regular session of the 43rd Sangguniang Panlalawigan Session dated 21 December 2021 at the SP Session to expedite all appropriate response including the processing and release of calamity fund to mitigate the impact of the phenomenon.

And as part of growing effort with the rehabilitation and recovery endeavors of the government, the Civil Defense Administrator, Usec Ricardo Jalad directed all the Regions affected by TY “Odette” to conduct the Post Disaster Needs Assessment to develop Rehabilitation and Recovery Plans (RRPs)

RDRRMC MIMAROPA through the leadership of MGen Ruben L. Carandang and in partnership with NEDA MIMAROPA as the Council’s Vice Chair for Rehabilitation and Recovery Plans written this final PDNA Report together with the concerned Regional/Provincial/City PDNA teams conducted this PDNA from January 16 to February 17, 2022.

## **POST DISASTER NEEDS ASSESSMENT (PDNA)**

The Post Disaster Needs Assessment (PDNA) is conducted to ensure that the data gathered are harmonized, validated, accurate with available report and ultimately reconcile with the gathered data coming from the different national agencies report. PDNA aims to equip and assist the affected country for a well-coordinated post disaster assessment and recovery process. Its objective is to compile a holistic impact assessment of the disaster. PDNA identifies the needs for recovery and reconstruction of the areas affected. It also integrates disaster risk reduction and climate change adaptation in future growth strategies through the Recovery Framework and serves as a necessary tool for leveraging national and international assistance and post-disaster reconstruction development.

## **REGIONAL/PROVINCIAL/CITY PDNA TEAMS**

Due to widespread devastation of TY Odette, the Regional/Provincial/City PDNA Teams were activated to determine the damages, losses and needs caused by disaster over the affected areas. The Office of Civil Defense was instructed to lead the conduct of PDNA for series of typhoons every last quarter of every year.

While in the midst of COVID-19 pandemic together with Omicron variant in the Province of Palawan, the PDNA teams both from the Regional/Provincial and City faced a great challenge in the field validation, assessment, consolidation of data and computation of damages, losses and needs which was done in a usual traditional conduct of PDNA but with regularity in the health protocols during the conduct of the said activities to limit the spread of COVID-19/ Omicron variant.

The PDNA team is duty bound and responsible for conducting field visits and maintaining close coordination with LGU's, designing, recommending appropriate projects for rehabilitation and recovery and implementation plan, present to the P/CDRRM Council the completed report before submitting to RDRRMC Chairperson and presented to the RDRRM Council.

The Regional, Provincial and City PDNA Teams is composed of representatives from relevant departments and agencies who are members of the sectors. It is composed of four (4) broad sectors and sub-sectors: **SOCIAL** (Health, Education, Cultural Heritage and Housing), **PRODUCTIVE** (Agriculture, Mining, Commerce, Trade and Industry, and Tourism), **INFRASTRUCTURE** Cluster (Electricity, Water and Sanitation, Flood Control and Drainage, Dam Management, Transportation and Communication) and **CROSS SECTORAL** (Macroeconomics, Governance in DRRM and Gender, Social Protection, Disaster Risk Reduction, and Employment & Livelihood). The PDNA Team created, will cover the Province of Palawan and Puerto Princesa City.

## PDNA REPORT

The PDNA report has three parts: 1) Hazard and Vulnerability Assessment, 2) Damages, Losses and Needs Assessment, 3) Human Recovery Needs Assessment and Cross-Sectoral Concerns.

Part 1 of this PDNA report describes the characteristics of the hazard and its impact on the province. Discussions in the Executive Summary shall include a brief description of the hazard and a summary of damages, losses, and impacts in the four clusters (Productive, Infrastructure, Social, and Cross-Sectoral concerns).

Part 2 will present the results of the damage and loss assessment. The second part will give an overview, impact, damage and losses, and provide the reconstruction and recovery framework per sector.

Finally, Part 3 of this report will present the results of the Human Recovery Needs Assessment and Cross-Sectoral concerns that will determine the recovery needs based on the cross sectoral effects and human impacts of the disaster. The last part of this report will provide for the social consequences of the disasters and the impacts of the post disaster efforts. The macroeconomic impact part will provide for analyses on the post disaster effect on regional and national economy. The governance and DRRM in connection to disaster preparedness, response and recovery effort will be discussed and assessed in terms of addressing disaster effects, the need for DRRM measures to further strengthen resilience and reduce exposure and vulnerability of people, communities, and institutions.

The final PDNA report was submitted to the RDRRMC and was also forwarded to NEDA MIMAROPA for the preparation of the Comprehensive Rehabilitation and Recovery Plan (CRRP) of the Region. The completed CRRP will then be presented by NEDA MIMAROPA to the Build Back Better (BBB) Task Force and shall be the basis for determining the priority programs, projects, activities to be requested for funding allocation.



## ***PART I: HAZARD AND VULNERABILITY ASSESSMENT***

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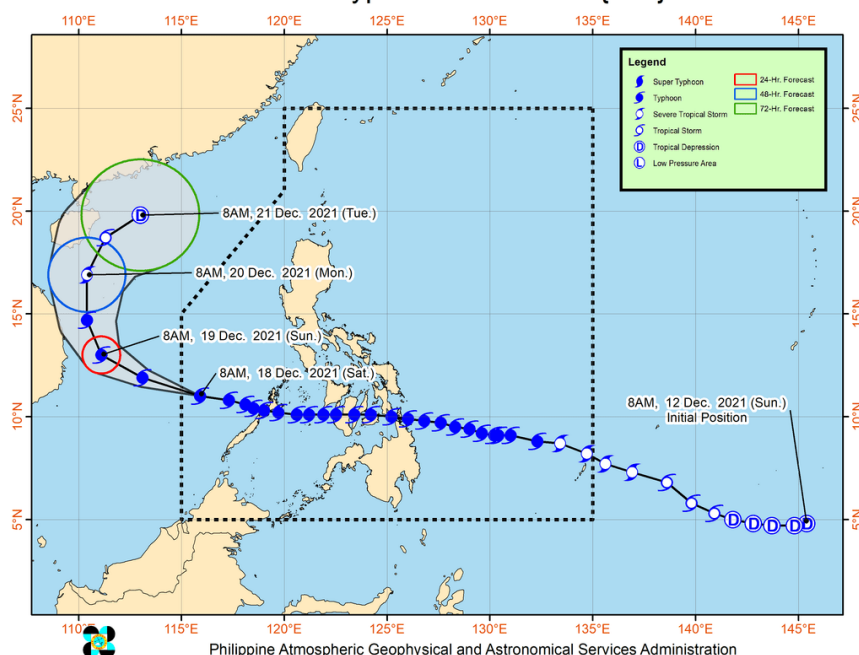
The Philippines enjoys a tropical climate that is for the most part hot and humid year-round. Due to high temperature and the surrounding bodies of water, the Philippines has a high relative humidity using temperature and rainfall as bases but can roughly be divided into a dry season between November and May and wet season between June and October. Although in recent years, due to climate change, summers have been extending into June and July. The presence of the five different risk factors it identifies into a rise in sea levels, extreme rainfall events, extreme heating events, increase ocean temperatures and a disturbed water budget considering our country has a vast shoreline and built-in geographic susceptibility and any one of these could be disastrous.

It is also very prone to typhoons due to its geographical location just above the equator and faces the western Pacific with little else to absorb energy of storms before they hit land. Storms are fueled by the warm, tropical water, which produce approximately twenty (20) tropical cyclones that enter the Philippine Area of Responsibility yearly, an area which incorporates parts of the Pacific Ocean, South China Sea and the Philippine Archipelago (with exception of Tawi-Tawi province). In each year, ten cyclones are usually to become typhoons, with five having the potential to be destructive. Typhoons in the Philippines usually move east to west across the country, heading north or west as they go. Storms most frequently make landfall on the islands of Eastern Visayas, Bicol Region, and Northern, Central and Southern Luzon (specifically the MIMAROPA Region). Climate change is likely to worsen the situation, with extreme weather events. Notwithstanding the effects of La Niña, Southwest and Northeast monsoon, frontal system, inter-tropical convergence zone and other weather systems posing various threats and risk to our country. Typhoons always hit our country every time of the year, with months of June to September being the most active period, while the months of October, November and December where most of the destructive typhoons make landfall in the MIMAROPA Region after traversing Eastern Visayas and the Bicol Region.

MIMAROPA is often visited by destructive typhoons every last quarter of the year. It started in 2013 from typhoons Yolanda, Nona, Nina, Henry, Inday Josie, STS Vinta, Usman, Maring, Tisoy, Ursula, Rolly, Quinta, and Ulysses. And for the year 2021 in the mid of December 2021 Typhoon Odette strike again in the Region hitting the Province of Palawan. Based on the information that we gathered on the ground this is the first time that Palawan experienced a powerful and devastating typhoon associated with storm surge lashing the houses along the coastal areas and hitting numerous coconut trees and old existing trees and causing four bridges to collapse in Puerto Princesa City. MIMAROPA had its own share of disaster. The repeated exposure of the region from typhoons does not make it easier for our community to adjust. This difficulty was further heightened in 2020 when, on top of facing the continuous threat of COVID-19 pandemic, a series of tropical cyclones made landfall or traversed the MIMAROPA region causing widespread flooding, landslides, and storm surges across the region.

**Figure 1. Track of Typhoon Odette**

Track of Typhoon "ODETTE" {RAI}



On December 2021 at 11:00AM the LPA outside Philippine Area of Responsibility Southeast of Palau has developed into a Tropical Depression and maintain its strength as it continues to move westward on December 14-15, 2021 and was named Odette. This TD intensifies and is nearing Typhoon Category in strength while making West Northwestward over the Philippine Sea east of Mindanao. While approaching the vicinity of Dinagat island Siargao at 11::AM this typhoon accelerates at TC No. 4 by PAGASA and made a series of landfall in the following places: Dec. 16 at (a) 1:30PM 1st in Siargao Island, Surigao del Norte, (b)2nd at 3:10PM vicinity of Cagdiamao island, Dinagat island, (c) 3rd at 4:50PM in the vicinity of Liloan, Panoan Island Southern Leyte (d) 4th at 5:40PM in Padre Burgos, Southern Leyte, (e) 5th at 6:30PM in President Carlos Garcia, Bohol, (f) 6th at 7:30PM in Bien Unido, Bohol, (g)7th at 10:00PM in Carcar, Cebu on December 17 (h) at 12:00AM in L Libertad, Negros Oriental at 2:00AM about to emerge over the Panay Gulf after traversing Negros island, 5:00AM over Panay Gulf and by 11:00AM-2:00PM Odette maintain its strength and (i) 9th landfall over Roxas, Palawan and by 8:00PM moving west northwestward direction over the West Philippine Sea and on December 17 at 5:00AM threatening the island of Kalayaan and by 11:00AM it slightly intensifies and endangers Kalayaan island and by 12:40PM left the Philippine Area of Responsibility thru Kalayaan island.

This Typhoon Odette, while traversing before central-southern Philippines specifically the Visayas and Mindanao islands maintained its maximum sustained winds of 195kmh and gustiness of 260kmp. The rapid intensification of this typhoon is the strongest storm to hit the Philippines in 2021 due to warm ocean water and differing wind speeds near the eye of the storm act as fuel to whip it up into a more severe event uprooting coconut trees, ripping down electricity poles, and hurling slabs of corrugated tin and wood through the air.

On December 13, 2021, Wednesday the MIMAROPA PDRA Analyst Group convened at 2:00PM to discuss matters on the preparedness measures that we need to adopt in preparation for Typhoon Odette in the Region. The meeting was presided by Ms. Nieves L. Bonifacio, C, DRRMD. After a series of presentation of the technical agencies like PAGASA, Mr. Sonny Pajarilla on the tracks, effects and intensity of the typhoon Odette while Mr. Merrari Rosaroso, DENR-MGB discussed the areas susceptible to Landslide and flooding when this typhoon will accelerate. After the presentation, it was agreed by the technical agencies and the PDRA Analyst group that provinces of Palawan, Oriental Mindoro, Occidental Mindoro and Romblon in the Charlie. protocol or extreme risk preparation in needed for the region. A follow up meeting was also conducted on December 14 and 15, 2021 to determine the latest track of the typhoon and to elevate the protocol to the higher level of RDRRMCs. Different regional memos were issued earlier to LGUs From OCD and DILG to prepare and to conduct early pre-emptive evacuation as soon as possible before the weather becomes worst. The Regional EOC was also activated on December 15, 2021 at 5:00PM via zoom for easy monitoring and coordination on the possible effects of the typhoon.

In PAGASA's 2:00PM Weather Bulletin the center of the eye of Typhoon Odette was seen 130kms southwest of Cuyo, Palawan and forecast to hit in the vicinity of northern(El Nido, Taytay, Araceli, Dumaran, Roxas, Sn Vicente, Puerto Princesa City, Cagayancillo and Cuyo islands) or central portion of Palawan with a maximum sustained winds of 155kmh near the center with gustiness of up to 215kph Typhoon Odette brought heavy, torrential rains and strong winds in the region specifically in Palawan area while other parts of MIMAROPA region under signal no. 2, like the Southern portion of Oriental Mindoro (Bulalacao, Mansalay, Roxas, Southern portion of Occidental Mindoro (Calintaan, Rizal, San Jose, Magsaysay), Central portion of Palawan (Narra, Sofronio Espanola, Quezon, Aborlan,Rizal, Brooke's Point) including Calaminanes group of islands.

Typhoon Odette made 9th fall in Roxas City which brought intense to torrential rains, catastrophic violent winds, storm surges, Landslides while other Municipalities near the inner wall of the eye of the typhoon also experienced the same with the Municipality of Roxas that caused heavy devastation in the Northern municipalities of the province including the northwestern part of Puerto Princesa City where big trees were uprooted in Brgy Concepcion, San Rafael and Langogan. The total no. of casualties are as follows; (a) Puerto Princesa City 16, (b) Roxas 8 and San Vicente 1.

Based on the collected summary damaged assessment report of MDRRMO and PSWDO per municipality, a total of 259,427 individuals with at least 61,498 families have been affected by Typhoon Odette last December 17, 2021 in the Province of Palawan. Most of them are from Taytay with 64,498 individuals of 12,455 families and Roxas with 89,164 of 22, 654 families. As of January 8, 2022, 16 evacuation centers are still being used to cater the 569 individuals of 129 families in the Municipality of Araceli, Roxas and Kalayaan. Initial report of damages in other municipalities, for the no. of totally damaged houses 8,216 and partially damaged 42,601, for Agriculture PHP3,172,068,488.38, for Infrastructure PHP 1,545,333,723.50.

Initial report of damages in Puerto Princesa City for the social sector/sub-sectors, (a) housing 23,592 no. of partially and 6,128 nos. of totally damaged houses (b) health care facilities amounting to PHP2,390,128.19 (e) Education school buildings and Learning materials PHP262,975,235.71 for the Productive Sector/sub-sectors (a) Agriculture and livestock /fisheries and aqua culture PHP377,334,555.36 (b) Micro to small Medium Enterprise PHP14,797,900.00 (6) Tourism amounting to PHP133,630,000.00, for the Infrastructure sector/sub-sectors (a) Power PHP 89,992,507, (b) Water PHP45,020,000.00, (c) Roads and Bridges PHP157,000,000.00 and for the Cross-Sectoral concerns (a) Environment PHP122,827,329.41.

The Province of Palawan through the Provincial EOC and its response cluster formed an initiative to first repair the damaged bridges and made an alternative road and clear the North Highway to restore passage to all northern municipalities. At the same time, the IMT was activated to oversee the clearing operations and establish an alternate means of transport to the north same with Puerto Princesa City. Alternate communications were also installed within the first week of impact. Relief operations were immediately activated as well with initial assistance which was first directed to Roxas, Araceli, and Kalayaan for sustaining the most damages. Relief operations are continued to present to provide assistance to all other affected areas. Massive damages on majority of the roads and bridges particularly Mauyon, Binduyan, Tanabag and Langogan which are the bridges of Puerto Princesa City that connect the Northern part of Palawan have been recorded in most of Barangays/Municipalities affected by Typhoon Odette. Thus, the effect makes it difficult for everyone to transport from and to the stricken areas due to severity of its damages.

Due to impacts and massive devastation from Typhoon Odette, the Province of Palawan declared the State of Calamity on December 2021 while several municipalities also declared their respective SOC namely: (a) Aborlan, Reso No. 507 s.2021 dated 21 December 2021, (b) Cagayancillo, Reso# 422 s. 2021 dated. Dec. 20, 2021, (c) Dumarang, Reso No. 126, s.2021 dated 22 December 2021, (d) Kalayaan, Reso No. 116-014, s.2021 dated 21 December 2021, (e) Puerto Princesa City Reso No 1509-2021 dated 22 December 2021, (f) Roxas, Reso No. 596 s 2021 dated 20 December 2021, (g) San Vicente Reso No. 2021-132 dated 21 December 2021.

A total worth of assistance was provided by DSWD Regional Office amounting to PHP312,011,255.80, Office of Civil Defense worth of family pack amounting to PHP16,531,710.04 and the Local Government units amounting to PHP122,019,379.54.



## ***PART 2: DAMAGE AND LOSSES ASSESSMENT***

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### **2.1 SOCIAL SECTOR**

#### **EXECUTIVE SUMMARY**

The year 2021 has been extremely challenging and life-changing to all Filipinos particularly those who experienced unexpected crises brought by the effects of disaster both natural and human induced. With a Global Pandemic, and continued occurrences of climate catastrophe, social issues arise resulting in loss of lives, risk for emotional and physical health problems and major destruction of economic and social infrastructure.

This phenomenon has created a setback to our progress and contributed to poverty issues which entails more than lack of income and productive resources but also manifest limited access to health, education, shelter and livelihood including hunger and malnutrition and inequality, compromising the capacity of affected populace to recover and regain a life of normalcy after it was disrupted due to a disaster.

Before 2021 ends, Super Typhoon “Odette” has visited the region bringing a violent wind gust and heavy rains during its landfall across MIMAROPA Region particularly on the Province of Palawan, it brought massive destruction to houses, livelihood and infrastructure severely affecting families living in danger areas and leaving thousands of families homeless specifically on the Northern Part of the province.

Based on the consolidated DSWD MIMAROPA DROMIC Situational Report No. 109 dated 31 Jan 2022, a total of 118,256 Families equivalent to 390,818 individuals were affected by the strong wind, flooding, landslides, and other effects of the said weather disturbance this has led to evacuation of 46.58% or 55,086 families equivalent to 60.80% or 237,608 individuals.

Among the 22 reported cities/municipalities, Palawan Oriental was greatly affected. Due to its topography, houses made with light materials located in the flood-prone barangays were destroyed by great winds and heavy rain showers. Shelters along the coastal lines were washed out leaving them with nothing to save. Residents struggled in ensuring the safety of their lives including important belongings such as livestock and properties.

To date, provision of disaster response services is still ongoing to support the immediate needs of affected populace while simultaneously conducting the Post-Disaster Assessment and Needs Analysis to further analyze and evaluate the impact of the Super Typhoon “Odette” to the affected population in the region. Hence, overwhelming deep emotional traumas and socio-economic stressors brought about by the said system and the current health crises has led the affected populace to become more vulnerable.

## DAMAGES, LOSSES AND NEEDS ASSESSMENT

As a whole, damages for social sector are estimated at Two Billion Two Hundred Fifty-Seven Million One Hundred Thirty-One Thousand Five Hundred Fifty-Seven Pesos and 92/100 (PHP 2,257,131,557.92) with estimated total losses to the economy amounting to Two Billion Twenty-Six Million Two Hundred Five Thousand Five Hundred Fifty-Nine Pesos and 80/100 (PHP 2,026,205,559.80).

Overall, the recovery and reconstruction funds needed for the whole Province of Palawan and Puerto Princesa City are estimated to reach Nineteen Billion Six Hundred Fifty-Five Million Five Hundred Seventy-Seven Thousand Five Hundred Fifty-Seven Pesos (PHP 19,655,577,557.00).

**Table 2. Summary of Damages, Losses and Needs for Social Sector**

SUB-SECTOR	DAMAGES (PHP)	LOSSES (PHP)	NEEDS (PHP)
Housing	1,522,952,856.97	2,020,603,241.25	19,655,577,500.00
Health	39,938,478.77	864,818.55	54,841,760.07
Education	694,240,222.18	4,737,500.00	1,223,457,251.03
<b>GRAND TOTAL</b>	<b>2,257,131,557.92</b>	<b>2,026,205,559.80</b>	<b>20,933,876,511.10</b>

## SOCIAL SUB-SECTORS

### A. HOUSING

The LGUs implemented preemptive evacuation in the low-lying areas, coastal areas, and flood-prone areas to reduce the impact of the TY “ODETTE”. Evacuation measures including health protocols were later strictly implemented in the designated evacuation centers. However, due to limited spaces provided in the evacuation centers, some of the displaced families were temporarily accommodated in identified collective facilities or structures identified as alternative camps. While those with Totally Damaged Houses preferred to stay in the evacuation center and to their relatives, and some were sheltered with their friends and other communities.

Damages worth PHP 1,522,952,856.97 is projected based on 15,463 totally destroyed houses (PHP 602,317,914.27) and 74,319 partially damaged houses (PHP 920,634,942.70) in 19 affected city/municipality covered by PDNA.

The losses incurred in the housing sector are estimated at PHP 2,020,603,241.25 while financing needs for reconstruction in the housing sector is estimated at PHP 19,655,577,500.00. Losses in the housing sub-sector also comprises the cost of assistance provided by the Department of Social Welfare and Development, the Provincial and City/Municipal Government, National Government Agencies, Non-Government Organizations and other humanitarian aid groups and individuals while the affected households took temporary shelter in the evacuation centers.

## **B. HEALTH**

The adverse effects of TY “Odette” interrupted the delivery of basic health services in the Province of Palawan especially to locations identified as geographically isolated and disadvantaged areas such as island municipalities and barangays. The damaged health station and facilities incurred an amount of PHP 39,938,478.77.

Losses from health facilities to ensure continuous delivery of health services amounted to PHP 864,818.55 which consisted of the minor repairs to the damaged facilities. The proposed rehabilitation and construction of additional health facilities has incurred an amount of PHP 54,841,760.07 to ensure after the wrath of TY “Odette” our medical facilities have been rehabilitated to continuously provide medical services particularly in the height of pandemic crisis.

## **C. EDUCATION**

The total amount of damages in the education sector is about PHP 694,240,222.18 representing the academic classrooms, learning materials/equipment, and other infrastructure such as school stages and feeding centers. A total of 1,493 classrooms were damaged, of which 172 classrooms were totally damaged and 1,321 were partially damaged that needed major repair.

The estimated losses amounting to PHP 4,737,500.00 was reported. These are expenditures for the construction of Temporary Learning Shelters and major infrastructure repairs. The total needs for the rehabilitation of non-infrastructure and infrastructure facilities sums up to PHP 1,223,457,251.03.

### **2.1.1 HOUSING SUB-SECTOR**

#### **OVERVIEW**

The most basic needs become both scarce and dire in the event of an emergency. Shelter as one of the crucial human necessities, provides essential aspects of protection and survivability particularly during times of disaster. When homes are damaged during calamity, effective disaster housing is a critical step on the road to a long-term recovery. All concerned government and non-government organizations must take efforts to better meet the emergent needs of catastrophe victims and communities.

The aftermath of TY “Odette” heavily impacted the housing sector leaving 89,782 houses completely destroyed or partially damaged. Thousands were left homeless with damages and losses estimated at PHP 3,543,556,098.22. The said damages and losses includes damage to the home itself, household items, income, assistance received by the government, cost for the demolition and removal of destroyed homes, cost of the temporary shelter schemes, temporary loss of rental income incurred by the owner whose structure were damaged including the cost brought by the immediate reconstruction and repair of their dwellings.

The biggest share of damage is concentrated in the informal sector and consists of makeshift dwellings and mixed materials located in coastal and mountainous areas. While mixed and strong material dwellings experienced less total damage but moderate levels of partial damage, moreover, high-end material homes experienced the least amount of damage

On average, the majority of the dwelling units of affected communities were made from light walls and roof mainly made of wood, sawali, nipa, and bamboo (Type B) with the utmost 38.75% of the validated households. It is followed by houses made from shanty materials or improvised dwellings made of wood, sawali, nipa, bamboo (Type A), of which 22.49% of the total validated houses.

Mixed concrete and GI Sheet roofing (Type D) numbering to about 19.91% of the total validated households, followed by residences with walls made of mixed concrete and nipa hut as roof (Type C) with 11.9%.

Abundance of natural resources (Coconut Lumber, Bamboo, Nipa, Kugon, Manguim, Paper Tree and Mahogany) in some areas made it easier for the victims to repair/ reconstruct their houses. However, other materials needed to meet the basic requirement in the reconstruction of their houses including the financial support in order to sustain the daily needs of the family was also a great challenge.

The conducted assessment of the PDANA team is limited only to the totally destroyed and partially damaged houses based on the reports from the MSWD/MDRRMO and from field validation to affected barangays.

## IMPACT

The aftermath of the TY “Odette” left many sufferings and traumatic experiences to people who had lost their loved ones, homes, livelihood and businesses. Shelters along the coastal lines were washed out leaving them with nothing to save. Damages on houses were evident everywhere, particularly in Barangay located in coastal and in mountainous/hilly areas. Fishing vessels were capsized/sunken resulting in numerous missing bodies and loss of income.

The evacuation center plans to stay open up until the last week of January 2022 or at least until 1<sup>st</sup> week of February, the cost of electricity, water, food and sanitation facilities were mostly covered by the public sector while non-government organization and private sector also donates food and clothing.

A tent city is proposed to be established particularly in the City of Puerto Princesa where there are still open evacuation centers and where the majority of displaced families are still having difficulty or no capacity to rebuild their houses and/or still waiting for the government housing assistance.

During the focused group discussion (FGD), the relocation was proposed to mitigate and reduce the impact of disaster specifically on areas that are known to hazard affected populace’s opinion on this are divided. Some are grateful and waiting for the implementation of relocation, however, some are against the idea because they lack confidence in the government’s relocation plan while some are worrying about



their livelihood and access to basic service. Consequently, experience suggests that in the absence of new livelihood opportunities with a similar level of security and remuneration as previous livelihoods, people relocated may choose to return to their previous place of residence.

Most of the affected families had started to rebuild/repair their shelters, using only reusable materials that were salvaged/retrieved from the damaged houses adjoining the financial assistance provided by the DSWD which they used to buy other construction materials. Others who cannot be accommodated through government-supported relocation programs seek alternative accommodation with relatives, seek shelter on their own, or they may feel they have few alternative options other than rebuilding makeshift or opted to stay with relatives and evacuation centers temporarily. Witnessing the resilience of victims to start anew, give people a sense of normalcy and provide the cornerstone for fast recovery.

## DAMAGES, LOSSES AND NEEDS ASSESSMENT

Based on the PDNA Report, as of January 24, 2021, the total number of individuals with damaged houses brought about by TY “Odette” is 404,485 families which are approximately 43.05% of the total population of the province. Most of the totally damaged houses were made of light materials which constituted 15,463 houses, while the remaining 74,319 houses were partially damaged and only suffered some degree of harm.

The total number and value of damages identified for the housing sector has reached 89,782 damaged housing units with corresponding amounts of One Billion Five Hundred Twenty-Two Million Nine Hundred Fifty-Two Thousand Eight Hundred Fifty-Six Pesos and 97/100 (PHP 1,522,952,856.97). These are composed of 15,463 totally damaged houses with a corresponding amount of Six Hundred Two Million Three Hundred Seventeen Thousand Nine Hundred Fourteen Pesos and 27/100 (PHP 602,317,914.27), and projected Nine Hundred Twenty Million Six Hundred Thirty-Four Thousand Nine Hundred Forty-Two Pesos and 70/100 (PHP 920,634,942.70) for the 74,319 partially damaged houses.

**Table 3. Summary of Damages in Housing Sector**

MUNICIPALITY	DAMAGE TYPE	TOTAL NUM OF HOUSING UNITS	TOTAL COST OF DAMAGES
<b>GRAND TOTAL</b>	TOTALLY	15,463	602,317,914.27
	PARTIALLY	74,319	920,634,942.70
	<b>TOTAL</b>	<b>89,782</b>	<b>1,522,952,856.97</b>
<b>Puerto Princesa City</b>	Totally	6,128	298,218,804.12
	Partially	23,592	343,562,302.09
	<b>Subtotal</b>	<b>29,720</b>	<b>641,781,106.22</b>
<b>Palawan</b>	Totally	9,335	304,099,110.14
	Partially	50,727	577,072,640.61

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

	Subtotal	60,062	881,171,750.75
Aborlan	Totally	38	1,385,184.95
	Partially	71	880,406.86
	<b>Subtotal</b>	<b>109</b>	<b>2,265,591.81</b>
Agutaya	Totally	3	109,356.71
	Partially	171	2,120,416.52
	<b>Subtotal</b>	<b>174</b>	<b>2,229,773.23</b>
Araceli	Totally	1,051	30,315,511.11
	Partially	2,975	31,222,759.28
	<b>Subtotal</b>	<b>4,026</b>	<b>61,538,270.39</b>
Brooke'S Point	Totally	14	510,331.30
	Partially	18	223,201.74
	<b>Subtotal</b>	<b>32</b>	<b>733,533.04</b>
Busuanga	Totally	0	0.00
	Partially	3	37,200.29
	<b>Subtotal</b>	<b>3</b>	<b>37,200.29</b>
Caganyancillo	Totally	40	1,458,089.42
	Partially	483	5,989,246.67
	<b>Subtotal</b>	<b>523</b>	<b>7,447,336.09</b>
Coron	Totally	5	182,261.18
	Partially	25	310,002.42
	<b>Subtotal</b>	<b>30</b>	<b>492,263.59</b>
Culion	Totally	0	0.00
	Partially	48	595,204.64
	<b>Subtotal</b>	<b>48</b>	<b>595,204.64</b>
Cuyo	Totally	57	2,077,777.42
	Partially	922	11,432,889.09
	<b>Subtotal</b>	<b>979</b>	<b>13,510,666.51</b>
Dumaran	Totally	931	49,646,116.28
	Partially	5,473	80,431,273.64
	<b>Subtotal</b>	<b>6,404</b>	<b>130,077,389.92</b>
El Nido	Totally	24	874,853.65

# POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	Partially	720	8,928,069.57
	<b>Subtotal</b>	<b>744</b>	<b>9,802,923.22</b>
Kalayaan	Totally	35	1,275,828.24
	Partially	7	86,800.68
	<b>Subtotal</b>	<b>42</b>	<b>1,362,628.92</b>
Linapacan	Totally	34	1,239,376.01
	Partially	511	6,336,449.38
	<b>Subtotal</b>	<b>545</b>	<b>7,575,825.38</b>
Magsaysay	Totally	96	3,499,414.61
	Partially	1,577	19,554,952.38
	<b>Subtotal</b>	<b>1,673</b>	<b>23,054,366.99</b>
Narra	Totally	14	510,331.30
	Partially	24	297,602.32
	<b>Subtotal</b>	<b>38</b>	<b>807,933.62</b>
Roxas	Totally	3,829	123,784,226.71
	Partially	14,335	134,195,147.73
	<b>Subtotal</b>	<b>18,164</b>	<b>257,979,374.44</b>
San Vicente	Totally	1,521	50,707,455.88
	Partially	7,536	114,548,796.61
	<b>Subtotal</b>	<b>9,057</b>	<b>165,256,252.49</b>
Sofronio Española	Totally	2	72,904.47
	Partially	109	1,351,610.53
	<b>Subtotal</b>	<b>111</b>	<b>1,424,515.00</b>
Taytay	Totally	1,641	36,450,090.91
	Partially	15,719	158,530,610.26
	<b>Subtotal</b>	<b>17,360</b>	<b>560,682,988.79</b>

The total value of the losses identified for the housing sector has been estimated at Two Billion Twenty Million Six Hundred Three Thousand Two Hundred Forty-One Pesos and 25/100 (PHP 2,020,603,241.25). This includes assessment for partially damaged and totally destroyed houses, together with damage to household contents and associated costs due to estimated demolition and labor cost to rebuild their homes, assistance given by the key players of disaster response and forgone income.

Table 4. Total Losses Incurred in Housing Sector in Puerto Princesa City and Palawan

AREA	FORGONE INCOME (Estimated)	VALUE OF HOUSE CONTENT (Estimated Average)	ASSISTANCE PROVIDED (DSWD, NGA, LGU, NGOs)	TOTAL
GRAND TOTAL	42,300,793.71	241,999,248.45	0.00	284,300,042.17
	233,385,413.27	1,061,293,187.97	0.00	1,294,678,601.24
	<b>275,686,206.99</b>	<b>1,303,292,436.42</b>	<b>441,624,597.84</b>	<b>2,020,603,241.25</b>
Puerto Princesa City	18,952,577.32	100,448,659.79		119,401,237.11
	78,335,867.40	306,304,972.38		384,640,839.78
	<b>97,288,444.72</b>	<b>406,753,632.17</b>	<b>169,840,569.55</b>	<b>673,882,646.44</b>
Palawan	23,348,216.39	141,550,588.66	0.00	164,898,805.06
	155,049,545.87	754,988,215.59	0.00	910,037,761.46
	<b>178,397,762.27</b>	<b>896,538,804.25</b>	<b>271,784,028.29</b>	<b>1,346,720,594.81</b>
Aborlan	95,186.38	577,075.68		672,262.05
	217,117.68	1,057,218.77		1,274,336.45
	<b>312,304.06</b>	<b>1,634,294.45</b>	<b>496,100.00</b>	<b>2,442,698.50</b>
Agutaya	7,514.71	45,558.61		53,073.32
	522,917.23	2,546,259.29		3,069,176.52
	<b>530,431.94</b>	<b>2,591,817.90</b>	<b>700,515.00</b>	<b>3,822,764.84</b>
Araceli	2,632,654.80	15,960,698.28		18,593,353.09
	9,097,536.61	44,298,955.51		53,396,492.13
	<b>11,730,191.42</b>	<b>60,259,653.80</b>	<b>25,979,698.19</b>	<b>97,969,543.40</b>
Brooke's Point	35,068.67	212,606.83		247,675.49
	55,043.92	268,027.29		323,071.21
	<b>90,112.58</b>	<b>480,634.12</b>		<b>570,746.71</b>
Busuanga	0.00	0.00		0.00
	9,173.99	44,671.22		53,845.20
	<b>9,173.99</b>	<b>44,671.22</b>		<b>53,845.20</b>
Caganyancillo	100,196.19	607,448.08		707,644.27
	1,477,011.83	7,192,065.72		8,669,077.55
	<b>1,577,208.01</b>	<b>7,799,513.80</b>	<b>540,618.00</b>	<b>9,917,339.81</b>

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

Coron	12,524.52	75,931.01		88,455.53
	76,449.89	372,260.13		448,710.02
	<b>88,974.41</b>	<b>448,191.14</b>		<b>537,165.55</b>
Culion	0.00	0.00		0.00
	146,783.78	714,739.45		861,523.23
	<b>146,783.78</b>	<b>714,739.45</b>		<b>861,523.23</b>
Cuyo	142,779.57	865,613.51		1,008,393.08
	2,819,471.85	13,728,953.61		16,548,425.46
	<b>2,962,251.42</b>	<b>14,594,567.12</b>	<b>700,515.00</b>	<b>18,257,333.54</b>
Dumaran	2,332,066.24	14,138,354.04		16,470,420.29
	16,736,409.38	81,495,187.74		98,231,597.11
	<b>19,068,475.62</b>	<b>95,633,541.78</b>	<b>26,288,331.50</b>	<b>140,990,348.90</b>
El Nido	60,117.71	364,468.85		424,586.56
	2,201,756.76	10,721,091.75		12,922,848.51
	<b>2,261,874.47</b>	<b>11,085,560.60</b>		<b>13,347,435.07</b>
Kalayaan	87,671.66	531,517.07		619,188.73
	21,405.97	104,232.84		125,638.81
	<b>109,077.63</b>	<b>635,749.91</b>	<b>372,530.90</b>	<b>1,117,358.44</b>
Linapacan	85,166.76	516,330.87		601,497.63
	1,562,635.70	7,608,997.06		9,171,632.77
	<b>1,647,802.46</b>	<b>8,125,327.93</b>	<b>270,309.00</b>	<b>10,043,439.39</b>
Magsaysay	240,470.85	1,457,875.39		1,698,346.24
	4,822,458.90	23,482,169.02		28,304,627.93
	<b>5,062,929.75</b>	<b>24,940,044.41</b>	<b>125,000.00</b>	<b>30,127,974.17</b>
Narra	35,068.67	212,606.83		247,675.49
	73,391.89	357,369.73		430,761.62
	<b>108,460.56</b>	<b>569,976.55</b>	<b>215,150.00</b>	<b>893,587.11</b>
Roxas	9,591,279.97	58,147,967.38		67,739,247.35
	43,836,365.50	213,453,958.75		257,290,324.25
	<b>53,427,645.47</b>	<b>271,601,926.13</b>	<b>132,598,233.20</b>	<b>457,627,804.80</b>
San Vicente	3,809,960.00	23,098,213.21		26,908,173.21



	23,045,054.09	112,214,093.70		135,259,147.79
	<b>26,855,014.09</b>	<b>135,312,306.91</b>	<b>34,148,892.00</b>	<b>196,316,213.00</b>
Sofronio Española	5,009.81	30,372.40		35,382.21
	333,321.51	1,623,054.17		1,956,375.68
	<b>338,331.32</b>	<b>1,653,426.57</b>		<b>1,991,757.89</b>
Taytay	4,110,548.56	24,920,557.45		29,031,106.01
	48,068,631.28	234,062,279.57		282,130,910.84
	<b>52,179,179.83</b>	<b>258,982,837.02</b>	<b>49,563,285.50</b>	<b>360,725,302.35</b>

A worth of Four Hundred Forty-One Million Six Hundred Twenty-Four Thousand Five Hundred Ninety-Seven Pesos and 84/100 (PHP 441,624,597.84) assistance were provided by the DSWD, DOH, National Government, Provincial/ City/ Municipal Government Units, and other non-government organizations, groups, and individuals to the affected families were added to the total losses in the housing sector. This includes food and non-food items such as Family Food Packs, Hygiene Kits, Sleeping Kits, Family Kits, Laminated Sacks, Modular and Family Tents and Medicines.

Moreover, the DSWD also provided financial assistance through Assistance for Individuals in Crisis Situation (AICS) amounting to P5,000.00 per household. This was used by the affected households to initially repair and rehabilitate their damaged homes, aside from the additional basic needs.

Affected families are repairing and rebuilding their houses' proximity to the sources of livelihood even if it entails danger to their life and properties. The situation calls for the government for the strict implementation of the laws governing the Zoning. Resettlement can be made possible using a wholistic approach considering all aspect such as provision of livelihood, skills empowerment, establishment of community hospital and schools, accessible roads, available access to water, electricity and roads etc. if not relocation sites should be near the sources of income and other basic services but within the safe zone for human habitation.

Other losses in the housing sector were impossible to calculate due to availability of data, while the other unexpected expenditures of the food and non-food items incurred and financial assistance provided by the national and local government, non-government organizations and humanitarian agencies distributed for free to sheltered people is unquantifiable and limited due to unavailability of adequate data.

## POLICY AND PROGRAM RECOMMENDATIONS FOR THE HOUSING SUB-SECTOR

- The housing sector recommends that the local government units (LGU) identify and provide possible relocation/resettlement sites to accommodate priority families to be relocated, particularly those living in danger zones. This also requires the affected LGUs to prepare and submit Recovery and Rehabilitation

Plan for augmentation fund support from the concerned national government agencies.

- One of the most important factors contributing to the grave magnitude of the calamity is current land use pattern (CLUP), practice, and policy. Current legislation already prohibits the settlement on land deemed to be dangerous. However, enforcement has not been effective, such measures need to be taken before the next typhoon season to ensure the safety of the most vulnerable households. To lessen the impact of any disaster, strict implementation of PD 1067 otherwise known as “No Build Zone Policy” within 40-meter easement along coastal areas and 3-meter easement along the riverbanks is also recommended by the housing sector to ensure safety on the lives and properties. Households already displaced due to the total destruction of their houses by the typhoons should not be permitted to return to land that is clearly unsuitable for housing.
- Intensify awareness/advocacy campaign activities to be conducted to inform residents on the proper and recommended design and materials needed for the construction of disaster-resilient dwellings.

## **RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE HOUSING SUB-SECTOR**

As immediate intervention to address the emergency shelter needs of the affected households with damaged houses, provision of Emergency Housing Assistance thru provision of limited financial assistance for the purchase of construction materials for the repair and/or construction of the damaged homes becomes the priority project of both the concerned Local Government Units (LGUs) and the Department of Human Settlements and Urban Development (DHSUD), National Housing Authority (NHA) and the Social Housing Finance Corporation (SHFC).

A total amount of Nineteen Billion Six Hundred Fifty-Five Million Five Hundred Seventy-Seven Thousand Five Hundred Pesos (PHP 19,655,577,500.00) is needed for the implementation of the said PAPs as proposed by the housing sector.

The following table shows the financing requirement of housing and resettlement projects according to priority. Some of these projects have already been completed by the end of the assessment:

Table 5: Reconstruction and Recovery Needs for Housing and Resettlements

Rank	Priority Projects/ Activities	Location	Proposed Funding			Timeline	Remarks
			Recommended Funding	Funding Source	Implementing Agency		
1	Emergency Housing Assistance for Repair and Reconstruction of Totally Damaged Houses	<b>Puerto Princesa City</b>	<b>183,840,000.00</b>	NDRRM Fund	DHSUD-NHA	2022	PL
1	Emergency Housing Assistance for Repair and Reconstruction of Totally Damaged Houses	<b>Palawan</b>	<b>280,050,000.00</b>	NDRRM Fund	DHSUD-NHA	2022	PL
		<i>Aborlan</i>	<i>1,140,000.00</i>				PL
		<i>Agutaya</i>	<i>90,000.00</i>				PL
		<i>Araceli</i>	<i>31,530,000.00</i>				PL
		<i>Brooke's Point</i>	<i>420,000.00</i>				PL
		<i>Busuanga</i>	-				PL
		<i>Cagayancillo</i>	<i>1,200,000.00</i>				PL
		<i>Coron</i>	<i>150,000.00</i>				PL
		<i>Culion</i>	-				PL
		<i>Cuyo</i>	<i>1,710,000.00</i>				PL
		<i>Dumaran</i>	<i>27,930,000.00</i>				PL
		<i>El Nido</i>	<i>720,000.00</i>				PL
		<i>Kalayaan</i>	<i>1,050,000.00</i>				PL
		<i>Linapacan</i>	<i>1,020,000.00</i>				PL
		<i>Magsaysay</i>	<i>2,880,000.00</i>				PL
		<i>Narra</i>	<i>420,000.00</i>				PL
		<i>Roxas</i>	<i>114,870,000.00</i>				PL
		<i>San Vicente</i>	<i>45,630,000.00</i>				PL
		<i>Sofronio Española</i>	<i>60,000.00</i>				PL
		<i>Taytay</i>	<i>49,230,000.00</i>				PL

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

1	Emergency Housing Assistance for Repair and Reconstruction of Partially Damaged Houses	<b>Puerto Princesa City</b>	<b>235,920,000.00</b>	NDRRM Fund	DHSUD-NHA	2022	P
1	Emergency Housing Assistance for Repair and Reconstruction of Partially Damaged Houses	<b>Palawan</b>	<b>507,270,000.00</b>	NDRRM Fund	DHSUD-NHA	2022	P
		<i>Aborlan</i>	710,000.00				P
		<i>Agutaya</i>	1,710,000.00				P
		<i>Araceli</i>	29,750,000.00				P
		<i>Brooke's Point</i>	180,000.00				P
		<i>Busuanga</i>	30,000.00				P
		<i>Cagayancillo</i>	4,830,000.00				P
		<i>Coron</i>	250,000.00				P
		<i>Culion</i>	480,000.00				P
		<i>Cuyo</i>	9,220,000.00				P
		<i>Dumaran</i>	54,730,000.00				P
		<i>El Nido</i>	7,200,000.00				P
		<i>Kalayaan</i>	70,000.00				P
		<i>Linapacan</i>	5,110,000.00				P
		<i>Magsaysay</i>	15,770,000.00				P
		<i>Narra</i>	240,000.00				P
		<i>Roxas</i>	143,350,000.00				P
		<i>San Vicente</i>	75,360,000.00				P
		<i>Sofronio Española</i>	1,090,000.00				P
		<i>Taytay</i>	157,190,000.00				P
2	Access to Lands suitable for settlements development (Boundary and Subdivision Surveys/Proclamations/	<b>Puerto Princesa City</b>	<b>22,290,000.00</b>	NDRRM Fund	DENR, DHSUD, NHA, BFAR, NCIP, DAR, DA,	2023-2026	P
		<b>Palawan</b>	<b>45,047,500.00</b>				P
		<i>Aborlan</i>	80,000.00				P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	Alternative Tenure Instruments)	<i>Agutaya</i>	130,000.00				P
		<i>Araceli</i>	3,020,000.00				P
		<i>Brooke's Point</i>	22,500.00				P
		<i>Busuanga</i>	2,500.00				P
		<i>Cagayancillo</i>	392,500.00				P
		<i>Coron</i>	25,000.00				P
		<i>Culion</i>	35,000.00				P
		<i>Cuyo</i>	735,000.00				P
		<i>Dumaran</i>	4,802,500.00				P
		<i>El Nido</i>	557,500.00				P
		<i>Kalayaan</i>	32,500.00				P
		<i>Linapacan</i>	407,500.00				P
		<i>Magsaysay</i>	1,255,000.00				P
		<i>Narra</i>	27,500.00				P
		<i>Roxas</i>	13,625,000.00				P
		<i>San Vicente</i>	6,792,500.00				P
		<i>Sofronio Española</i>	85,000.00				P
		<i>Taytay</i>	13,020,000.00				P
3	Formulation/Updating of Plans relevant to shelter and settlements recovery planning (PDPFP/CLUP/ZO/LSP) for all LGUs without risk-based land-use plans and capacitating on the enforcement of the plans	<b>Puerto Princesa City</b>	<b>1,500,000.00</b>	NDRRM Fund	DHSUD	2022-2023	P
		<b>Palawan</b>	<b>28,500,000.00</b>				P
		<i>Aborlan</i>	1,500,000.00				P
		<i>Agutaya</i>	1,500,000.00				P
		<i>Araceli</i>	1,500,000.00				P
		<i>Brooke's Point</i>	1,500,000.00				P
		<i>Busuanga</i>	1,500,000.00				P
		<i>Cagayancillo</i>	1,500,000.00				P



POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

		<i>Coron</i>	1,500,000.00				P
		<i>Culion</i>	1,500,000.00				P
		<i>Cuyo</i>	1,500,000.00				P
		<i>Dumaran</i>	1,500,000.00				P
		<i>El Nido</i>	1,500,000.00				P
		<i>Kalayaan</i>	1,500,000.00				P
		<i>Linapacan</i>	1,500,000.00				P
		<i>Magsaysay</i>	1,500,000.00				P
		<i>Narra</i>	1,500,000.00				P
		<i>Roxas</i>	1,500,000.00				P
		<i>San Vicente</i>	1,500,000.00				P
		<i>Sofronio Española</i>	1,500,000.00				P
		<i>Taytay</i>	1,500,000.00				P
4	Training for affected communities for alternative source of livelihood and skilled manpower requirement for post-harvest investment	<b>Puerto Princesa City</b>	<b>500,000.00</b>	NDRRM Fund	DHSUD, TESDA	2022-2023	P
		<b>Palawan</b>	<b>9,500,000.00</b>				P
		<i>Aborlan</i>	500,000.00				P
		<i>Agutaya</i>	500,000.00				P
		<i>Araceli</i>	500,000.00				P
		<i>Brooke's Point</i>	500,000.00				P
		<i>Busuanga</i>	500,000.00				P
		<i>Cagayancillo</i>	500,000.00				P
		<i>Coron</i>	500,000.00				P
		<i>Culion</i>	500,000.00				P
		<i>Cuyo</i>	500,000.00				P
		<i>Dumaran</i>	500,000.00				P
		<i>El Nido</i>	500,000.00				P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

		<i>Kalayaan</i>	500,000.00				P
		<i>Linapacan</i>	500,000.00				P
		<i>Magsaysay</i>	500,000.00				P
		<i>Narra</i>	500,000.00				P
		<i>Roxas</i>	500,000.00				P
		<i>San Vicente</i>	500,000.00				P
		<i>Sofronio Española</i>	500,000.00				P
		<i>Taytay</i>	500,000.00				P
5	Resettlements Development for communities in priority danger areas; provision of permanent housing to 8,916 households (30% of total households with damaged houses) in safer locations and basic services.	<b>Puerto Princesa City</b>	<b>5,171,280,000.00</b>	NDRRM Fund	DHSUD, NHA, SHFC, HDMF	2024-2028	P
5	Resettlements Development for communities in 13 priority danger areas/municipalities; provision of permanent housing to 17,908 households (30% of total households with damaged houses) in safer locations and basic services.	<b>Palawan</b>	<b>10,386,640,000.00</b>				P
		<i>Agutaya</i>	30,160,000.00				P
		<i>Araceli</i>	700,640,000.00				P
		<i>Cagayancillo</i>	91,060,000.00				P
		<i>Cuyo</i>	170,520,000.00				P
		<i>Dumaran</i>	1,114,180,000.00				P
		<i>El Nido</i>	129,340,000.00				P
		<i>Kalayaan</i>	7,540,000.00				P
		<i>Linapacan</i>	94,540,000.00				P
		<i>Magsaysay</i>	291,160,000.00				P
		<i>Roxas</i>	3,161,000,000.00				P
		<i>San Vicente</i>	1,575,860,000.00				P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

		<i>Taytay</i>	3,020,640,000.00				P
6	Provision of basics services such as water (retail and bulk source) to resettlement sites for 8,916 households	<b>Puerto Princesa City</b>	<b>89,160,000.00</b>	NDRRM Fund	LWUA	2024-2028	P
6	Provision of basics services such as water (retail and bulk source) to resettlement sites for 15,353 households	<b>Palawan</b>	<b>179,080,000.00</b>	NDRRM Fund	LWUA	2024-2028	P
		<i>Agutaya</i>	520,000.00				P
		<i>Araceli</i>	12,080,000.00				P
		<i>Cagayancillo</i>	1,570,000.00				P
		<i>Cuyo</i>	2,940,000.00				P
		<i>Dumaran</i>	19,210,000.00				P
		<i>El Nido</i>	2,230,000.00				P
		<i>Kalayaan</i>	130,000.00				P
		<i>Linapacan</i>	1,630,000.00				P
		<i>Magsaysay</i>	5,020,000.00				P
		<i>Roxas</i>	54,500,000.00				P
		<i>San Vicente</i>	27,170,000.00				P
		<i>Taytay</i>	52,080,000.00				P
7	Construction of three schools for the resettlement of 8,916 households	<b>Puerto Princesa City</b>	<b>250,000,000.00</b>	NDRRM Fund	DepEd/DPWH	2024-2028	P
7	Construction of 57 schools to 13 priority LGUs for the resettlement of 17,908 households	<b>Palawan</b>	<b>1,175,000,000.00</b>	NDRRM Fund	DepEd/ DPWH	2024-2028	P
		<i>Agutaya</i>	25,000,000.00				P
		<i>Araceli</i>	125,000,000.00				P
		<i>Cagayancillo</i>	25,000,000.00				P
		<i>Cuyo</i>	50,000,000.00				P
		<i>Dumaran</i>	125,000,000.00				P
		<i>El Nido</i>	25,000,000.00				P
		<i>Kalayaan</i>	25,000,000.00				P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

		<i>Linapacan</i>	25,000,000.00				P
		<i>Magsaysay</i>	75,000,000.00				P
		<i>Roxas</i>	250,000,000.00				P
		<i>San Vicente</i>	175,000,000.00				P
		<i>Taytay</i>	250,000,000.00				P
8	Construction of Multipurpose hall for the resettlement sites	<b>Puerto Princesa City</b>	<b>10,000,000.00</b>	NDRRM Fund	DHSUD	2024-2028	P
8	Construction of Multipurpose Hall for the resettlement sites	<b>Palawan</b>	<b>120,000,000.00</b>	NDRRM Fund	DHSUD	2024-2028	P
		<i>Agutaya</i>	10,000,000.00				P
		<i>Araceli</i>	10,000,000.00				P
		<i>Cagayancillo</i>	10,000,000.00				P
		<i>Cuyo</i>	10,000,000.00				P
		<i>Dumaran</i>	10,000,000.00				P
		<i>El Nido</i>	10,000,000.00				P
		<i>Kalayaan</i>	10,000,000.00				P
		<i>Linapacan</i>	10,000,000.00				P
		<i>Magsaysay</i>	10,000,000.00				P
		<i>Roxas</i>	10,000,000.00				P
		<i>San Vicente</i>	10,000,000.00				P
		<i>Taytay</i>	10,000,000.00				P
9	Construction of Two (2) evacuation centers per municipality	<b>Palawan</b>	<b>960,000,000.00</b>	NDRRM Fund	DPWH	2024-2028	P
		<i>Agutaya</i>	80,000,000.00				P
		<i>Araceli</i>	80,000,000.00				P
		<i>Cagayancillo</i>	80,000,000.00				P
		<i>Cuyo</i>	80,000,000.00				P
		<i>Dumaran</i>	80,000,000.00				P
		<i>El Nido</i>	80,000,000.00				P

		<i>Kalayaan</i>	80,000,000.00				P
		<i>Linapacan</i>	80,000,000.00				P
		<i>Magsaysay</i>	80,000,000.00				P
		<i>Roxas</i>	80,000,000.00				P
		<i>San Vicente</i>	80,000,000.00				P
		<i>Taytay</i>	80,000,000.00				P
<b>TOTAL</b>			<b>19,655,577,500.00</b>				

In addition to this, the housing sector prioritizes the need for permanent housing that is safe, accessible, and sustainable, and one that will provide security of tenure for the inhabitants. Yet, we also need to measure the immediate and recurring risks facing the population needing shelter/housing and identify what is required for Building Back Better (BBB) and safer.

Relocation of families shall be given priority by the concerned Local Government Units to ensure safety of each family in the hazard prone areas. Families living in disaster prone/at risk areas can be assisted through the housing and resettlement program of the NHA provided that the concerned LGU has available land to be used as a resettlement site.

In the identification of settlement areas, it is highly recommended that the identified/proposed resettlement sites shall be near areas where employment opportunities are accessible to avoid returning back to informal resettlements.

## 2.1.2 EDUCATION SUB-SECTOR

### OVERVIEW

The Department of Education-MIMAROPA Region continuously intensifies its goals in achieving Disaster Risk Reduction not only in the MIMAROPA Region, but more so, in the entire country in terms of readiness and preparedness for man-made and natural calamities. Further, we continue to collaborate with our field offices and other national agencies. The devastation happened in the Province of Palawan due to the occurrence of Super Typhoon “Odette” brought a huge impact in the most northern part of the province particularly in the Municipality of Roxas, Dumarang, Araceli, Cagayancillo and the City of Puerto Princesa. Several barangays were heavily devastated especially those located in the coastal areas and in the islands in these recent events, all the more that we have to be diligent in addressing these challenges.

DepEd MIMAROPA Region is composed of seven (7) Schools Division Offices (SDO), namely 1) SDO Calapan City, 2) SDO Oriental Mindoro, 3) SDO Occidental Mindoro, 4) SDO Palawan, 5) SDO Puerto Princesa City, 6) SDO Marinduque and 7) SDO Romblon.



There are Infrastructure and Non-infrastructure facilities in the schools. For infrastructure, two major categories of rooms were damaged according to purpose: instructional and non-instructional rooms. Instructional rooms include academic classrooms, laboratories, and Home Economics (HE) rooms. Non-instructional rooms include offices, multipurpose covered courts, canteens, etc.

For non-infrastructure, there are three (3) major concerns for the education sector which is vital in the delivery of quality education. First is school furniture which includes desks, armchairs, table and chair sets and other similar furniture used by the learners during the course of learning; Second is learning materials, which include teaching guides, curriculum guides, activity sheets, textbooks for Grade 6 and other references; and third is the computer equipment. The Department of Education (DepEd) has its DepEd Computerization Program (DCP) that provides computer packages to the schools, plus the different computer units donated by Non-Government Organizations (NGOs), Civic Organizations (COOs), Private Companies and individuals.

The validation and further assessment of damages, losses, and needs were done by the Post Disaster Needs Assessment (PDNA) composite team from the different concerned government agencies after having provided with reports from the Rapid Damage Needs Analysis (RDNA) team, and the Rapid Damage Assessment Report (RADaR) submitted by the school heads.

## **IMPACT**

With almost two years in this global health crisis that have greatly affected this country, the Department of Education (DepEd) has also faced an unprecedented number of challenges not only brought about by COVID-19, but also, natural calamities such as typhoons, earthquakes, etc. Very recently, the country was devastated by Typhoon Odette. In the DepEd MIMAROPA Region, Palawan and Puerto Princesa City were mostly hit. Many of our teachers and learners lost their homes and livelihood. Communication was down for several days, thus, the challenge of helping our people in need.

Another issue arises during the crisis and disaster phase is the utilization of schools as camps. In principle, and as stated in the Camp Coordination and Camp Management schools are identified as a collective facility or alternative evacuation center, but it is with reminder that the school should only be activated for at least 3-5 days only so as not to hamper the learnings of children and students. However, in the absence of an evacuation center, we opted to utilize the school as an alternative facility to cater a large number of displaced populations in order to provide safe shelter to communities at potential risk of disaster. Hence, the need to rehabilitate the damaged part of schools is integral for the opening of limited face to face classes.

With the ongoing pandemic, and now the effects of the super typhoon, the impact of this on our teachers, learners and personnel continue to be a challenge until today. There is an urgent need to address trauma and mental health issues of those affected, the damages on the Self-Learning Modules will need immediate replenishing, equipment will also need fixing/replacements, and schools are still being used as evacuation centers for those without shelters.

As DepEd slowly opens its doors to our learners through our Limited Face to Face Classes starting last November 2021, DepEd MIMAROPA Region is also set to be included in the Expansion of the Limited Face to Face Classes this 2022 in areas where COVID-19 cases are low. The Schools Division of Palawan and Puerto Princesa have been preparing for this even before the onslaught of Typhoon Odette.

With the strong collaboration within DepEd and other national agencies, we remain very hopeful that everything will be addressed immediately, and all the needs will be provided as soon as possible.

**Table 6. Over-All Impact of TY “Odette” to the Education Sector**

Damaged Facilities	Number of Units per Schools Division		Total
	Puerto Princesa City	Palawan	
<b>Infrastructure</b>	<b>538</b>	<b>1,148</b>	<b>1,686</b>
Major damaged high schools	12	25	37
Major damaged elementary schools	40	116	156
Totally damaged classrooms	20	152	172
Major damaged classrooms	466	855	1,321
<b>Non-Infrastructure</b>	<b>1,373,388</b>	<b>7,910,527</b>	<b>9,283,915</b>
Learning Materials	1,370,005	7,905,038	9,275,043
School Furniture	2,887	4,677	7,564
DCP Equipment	496	812	1,308
<b>TOTAL</b>	<b>1,373,926</b>	<b>7,911,675</b>	<b>9,285,601</b>

There were nine (9) municipalities and one city that were heavily affected in the Province of Palawan.

A total of 156 elementary schools and 37 high schools has major damages, while 1,493 classrooms were affected during the typhoon that hit the Region. Of this total, 172 were reported as totally damaged with the entire roof swift off by strong winds and windows were broken. Likewise, 1,321 classrooms were reported to have major damages such as broken windows and some parts of roofing were misplaced. Some damages were also reported on covered pathways, stage, and gymnasium.

In the non-infrastructure damaged, there was 7,564 damaged school furniture such as teacher’s table, chairs, desk, armchairs, and cabinets. A lot of learning materials were submerged in flood with a total number of 9,275,043 pieces with the Division of Palawan having the greatest number of damaged books and self-learning modules. On the other hand, a total of 1,308 units of DepEd Computerization Program Equipment were damaged.

Since the warning of upcoming typhoon Odette, the Schools Division of Palawan already announced that all teaching personnel should stay at home and be safe. Some teachers who were near the schools were instructed to safeguard all learning materials and DCP equipment.

## DAMAGES, LOSSES, AND NEEDS ASSESSMENT

In summary, Six Hundred Ninety-Four Million Two Hundred Forty Thousand Two Hundred Twenty-Two Pesos and 18/100 (PHP 694,240,222.18) were the total infrastructure and non-infrastructure damages typhoon Odette brought in the education sector. On the other hand, the total losses were Four Million Seven Hundred Thirty-Seven Thousand Five Hundred Pesos (PHP 4,737,500.00) with the total needs amounting to One Billion Two Hundred Twenty-Three Million Four Hundred Fifty-Seven Thousand Two Hundred Fifty-One Pesos and 03/100 (PHP 1,223,457,251.03).

**Table 7. Summary of Damages, Losses and Needs Assessment in Education Sector**

Schools Division	Damages	Losses	Needs
Puerto Princesa City	241,866,767.18	1,135,000.00	355,235,262.40
Palawan	452,373,455.00	3,602,500.00	868,221,988.63
<b>Total</b>	<b>694,240,222.18</b>	<b>4,737,500.00</b>	<b>1,223,457,251.03</b>

A total of 1,686 education facilities including elementary school, high school and classrooms were damaged with a total amount of Five Hundred Ninety-One Million One Hundred Fifty-Five Thousand Twenty-Seven Pesos and 18/100 (PHP 591,155,027.18) in the Two (2) SDOs affected by the said typhoon.

Meanwhile, 9,283,915 non-infrastructure items such as learning materials, school furniture, and DCP equipment were totally destroyed amounting to One Hundred Three Million Eighty-Five Thousand One Hundred Ninety-Five Pesos (PHP 103,085,195.00).

This sums the total damages in the education sector at Six Hundred Ninety-Four Million Two Hundred Forty Thousand Two Hundred Twenty-Two Pesos (PHP 694,240,222.18).

**Table 8: Breakdown of Damages Per Schools Division Offices**

Facilities	Number of Damaged Facility	Damage per Schools Division		TOTAL
		Puerto Princesa City	Palawan	
Infrastructure	1,686	213,485,027.18	377,670,000.00	591,155,027.18

## POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

Major damaged classrooms	1,321	88,742,513.61	154,860,000.00	243,602,513.61
Totally damaged classrooms	172	36,000,000.00	67,950,000.00	103,950,000.00
Major damaged elementary schools	156	51,427,712.30	105,540,000.00	156,967,712.30
Major damaged high schools	37	37,314,801.27	49,320,000.00	86,634,801.27
<b>Non-Infrastructure</b>	<b>9,283,915</b>	<b>28,381,740.00</b>	<b>74,703,455.00</b>	<b>103,085,195.00</b>
Learning Materials	9,275,043	6,850,025.00	39,525,190.00	46,375,215.00
School Furniture	7,564	4,171,715.00	6,758,265.00	10,929,980.00
DCP Equipment	1,308	17,360,000.00	28,420,000.00	45,780,000.00
<b>TOTAL</b>		<b>241,866,767.18</b>	<b>452,373,455.00</b>	<b>694,240,222.18</b>

The losses incurred related to infrastructure pegged at Four Million Seven Hundred Thirty-Seven Thousand Five Hundred Pesos (PHP 4,737,500.00) with the cost of One Million One Hundred Thirty-Five Thousand Pesos (PHP 1,135,000.00) in Puerto Princesa City and Three Million Six Hundred Two Thousand Five Hundred Pesos (PHP 3,602,500.00) in Agutaya, Araceli, Cagayancillo, Dumarán, Magsaysay, Roxas, San Vicente and Taytay.

This is the depletion of the Education Sector due to the cost of clean-up and debris clearing operations from the Department of Education and the provision of assistance from the NGO after the devastation of the said typhoons in December 2021.

Meanwhile, no reported losses in the non-infrastructure as per validation.

**Table 9. Breakdown of Losses per Schools Division Offices**

Schools Division	Particulars	DepEd	NGO/As	TOTAL
<b>Puerto Princesa City</b>	<b>Clean-up Fund &amp; Assistance</b>	<b>840,000.00</b>	<b>295,000.00</b>	<b>1,135,000.00</b>
<b>Palawan</b>	<b>Clean-up Fund + Infra Repair</b>	<b>3,602,500.00</b>	<b>0.00</b>	<b>3,602,500.00</b>
<i>Agutaya</i>	<i>Clean-up Fund + Infra Repair</i>	<i>24,500.00</i>		<i>24,500.00</i>
<i>Araceli</i>	<i>Clean-up Fund + Infra Repair</i>	<i>427,000.00</i>		<i>427,000.00</i>
<i>Cagayancillo</i>	<i>Clean-up Fund + Infra Repair</i>	<i>191,000.00</i>		<i>191,000.00</i>
<i>Cuyo</i>	<i>Clean-up Fund + Infra Repair</i>	<i>327,500.00</i>		<i>327,500.00</i>
<i>Dumarán</i>	<i>Clean-up Fund + Infra Repair</i>	<i>516,000.00</i>		<i>516,000.00</i>
<i>Magsaysay</i>	<i>Clean-up Fund + Infra Repair</i>	<i>71,000.00</i>		<i>71,000.00</i>

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Roxas	Clean-up Fund + Infra Repair	812,500.00		812,500.00
San Vicente	Clean-up Fund + Infra Repair	664,000.00		664,000.00
Taytay	Clean-up Fund + Infra Repair	569,000.00		569,000.00
<b>GRAND TOTAL</b>		<b>4,442,500.00</b>	<b>295,000.00</b>	<b>4,737,500.00</b>

The sum of Six Hundred Seventy-Five Million Seven Hundred Thirty-Three Thousand Six Hundred Forty-Four Pesos and 43/100 (PHP 675,733,644.43) for the repairs and rehabilitation of infrastructure including the primary and secondary classrooms and its support facilities, and a total of Four Hundred Forty-Four Million Six Hundred Thirty-Eight Thousand Four Hundred Eleven Pesos and 60/100 (PHP 444,638,411.60) for the construction of 170 totally damaged and additional classrooms are the recommended funding of the education sub sector for the infrastructure.

Meanwhile, One Hundred Three Million Eighty-Five Thousand One Hundred Ninety-Five Pesos (PHP 103,085,195.00) is needed for the replacement/ procurement of non-infrastructure items in 2022.

**Table 10. Breakdown of Needs per Schools Division Offices for 2022-2023**

Particulars	Cost of Needs per Schools Division		Total	
	Puerto Princessa City	Palawan		
	Amount	Amount	No. of Units	Amount
Totally Damaged Classrooms	50,000,000.00	394,638,411.60	172	444,638,411.60
Partially Damaged Classrooms (Major)	274,183,522.40	394,485,122.03	1,321	668,668,644.43
Partially Damaged Classrooms (Minor)	2,670,000.00	4,395,000.00	968	7,065,000.00
Num of Damaged School Furniture	4,171,715.00	6,758,265.00	7,564	10,929,980.00
Num of Damaged Learning Materials	6,850,025.00	39,525,190.00	9,275,043	46,375,215.00
Num of Damaged DCP Equipment	17,360,000.00	28,420,000.00	1,308	45,780,000.00
<b>TOTAL</b>	<b>355,235,262.40</b>	<b>868,221,988.63</b>	<b>9,286,376</b>	<b>1,223,457,251.03</b>



## POLICY AND PROGRAM RECOMMENDATIONS FOR THE EDUCATION SUB-SECTOR

Below are some policy and program recommendations necessary to fully restore the education sector to the level of quality and extent before the disaster as well as enhance its resilience to disaster and contribute to faster recovery of disaster-affected communities:

- Involvement of the Principals/School heads and Parent Teacher Associations in the planning for the construction of buildings; since they may know the history of the place;
- DepEd should review the quality standards of the construction materials and consider revision of the building design for the resilient type buildings to adapt with present hazards in the locality just like flooding, heavy rains and strong winds;
- Revising the coordination and information management protocol between DPWH and DepEd;
- Department of Environment and Natural Resources - Mines and Geosciences Bureau (DENR-MGB) Clearance should be secured by the school before the establishment of the building;
- Strengthen reporting responsibility and accountability of DepEd personnel regarding disasters;
- Strengthening Disaster Risk Reduction and Management (DRRM), Climate Change Adaptation (CCA), and Education in Emergencies (EiE) activities in the schools by providing capacity building for teachers and learners.;
- Total relocation of some schools that are located in low-lying areas thus are always affected by typhoons;
- Presence of psychosocial support intervention for those teaching, non-teaching and learners that were affected by the typhoons;
- Improvement of schools 'readiness for health-related diseases even in times of disasters;
- For the DPWH and LGU to construct an additional evacuation center who can cater the temporary shelter needs of displaced families particularly during long-term displacement.

- Repair of partially damaged classrooms and construction of new classrooms compliant with the build-back-better program of DepEd and STS resilient standards.
- Provision of Temporary Learning Spaces (TLS).
- Procurement of school furniture, Learning Materials and other damaged Equipment.
- Provision of hygiene kits for the learners.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR EDUCATION SUB-SECTOR

The Education Sector needs a total of One Billion Two Hundred Twenty-Three Thousand Million Four Hundred Fifty-Seven Thousand Two Hundred Fifty-One Pesos and 03/100 (PHP 1,223,457,251.03) for the recovery and rehabilitation of the Province and Puerto Princesa City using the Modified Typhoon Resilient DEPED Classroom Building standards.

**Table 11. Reconstruction and Recovery Framework for Education Sector**

Rank	Priority Projects/ Activities	Location	Amount (PHP)		Proposed Funding		Timelin e
			Report of Damage	Recommended Funding	Funding Source	Implementing Agency	
1	Repair/ Rehabilitation of all partially damaged school buildings (primary and secondary classrooms and its support facilities)	Puerto Princesa City	177,485,027.18	276,853,522.40	DepEd	DepEd	2022-2023
		Minor Damages (89 units)		2,670,000.00	DepEd	DepEd	2022-2023
		Major Damages (466 units)		274,183,522.40	DepEd	DepEd	2022-2023
		Palawan	309,720,000.00	398,880,122.03	NDRRMC	DepEd	2022-2023
		Minor Damages (879)		4,395,000.00	NDRRMC	DepEd	2022-2023
		Major Damages (855 units)		394,485,122.03	NDRRMC	DepEd	2022-2023
		Agutaya	630,000.00	1,627,937.62	NDRRMC	DepEd	2022-

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

							2023
		Araceli	17,570,000.00	54,592,544.61	NDRRMC	DepEd	2022-2023
		Cagayancillo	2,940,000.00	12,350,000.00	NDRRMC	DepEd	2022-2023
		Cuyo	2,880,000.00	8,132,396.02	NDRRMC	DepEd	2022-2023
		Dumaran	24,775,000.00	57,300,670.20	NDRRMC	DepEd	2022-2023
		Magsaysay	2,880,000.00	6,339,830.97	NDRRMC	DepEd	2022-2023
		Roxas	49,855,000.00	122,271,178.92	NDRRMC	DepEd	2022-2023
		San Vicente	27,485,000.00	60,675,745.76	NDRRMC	DepEd	2022-2023
		Taytay	25,845,000.00	71,194,817.93	NDRRMC	DepEd	2022-2023
		<b>SUBTOTAL</b>	<b>487,205,027.18</b>	<b>675,733,644.43</b>			
2	Replacement/ Procurement of school furniture, learning materials and computer equipment	Puerto Princesa City (1,373,388 Units)	28,381,740.00	28,381,740.00	DepEd	DepEd	2022-2023
		Palawan (7,910,527 Units)	74,703,455.00	74,703,455.00	DepEd	DepEd/ LGU- School Board	2022-2023
		<b>SUBTOTAL</b>	<b>103,085,195.00</b>	<b>103,085,195.00</b>			
3	Construction of 170 Classrooms	Puerto Princesa City (20CL)	36,000,000.00	50,000,000.00	DepEd	DepEd/ DPWH	2022-2024
		Palawan (152 CL)	67,950,000.00	394,638,411.60	NDRRMC	DepEd/ DPWH	2022-2024
		Cuyo	9,200,000.00	47,721,293.18	NDRRMC	DepEd/	2022-

						DPWH	2024
		Dumaran	3,900,000.00	17,560,646.59	NDRRMC	DepEd/ DPWH	2022- 2024
		Kalayaan	3,000,000.00	5,900,000.00	NDRRMC	DepEd/ DPWH	2022- 2024
		San Vicente	22,800,000.00	125,084,670.54	NDRRMC	DepEd/ DPWH	2022- 2024
		Taytay	6,800,000.00	83,285,868.62	NDRRMC	DepEd/ DPWH	2022- 2024
		Roxas	22,250,000.00	115,085,932.67	NDRRMC	DepEd/ DPWH	2022- 2024
		<b>SUBTOTAL</b>	<b>103,950,000.00</b>	<b>444,638,411.60</b>			
	<b>GRAND TOTAL</b>		<b>694,240,222.18</b>	<b>1,223,457,251.03</b>			

### 2.1.3 HEALTH SUB-SECTOR

#### OVERVIEW

Health is among the most important and critical defenses during an emergency, and as a primary concern of the state that is guided by President Duterte's health agenda "*All for Health, Towards Health for All*". This health system for every Filipino, through the Department of Health aspires for Financial Protection especially the poor against health-related impoverishment; Better Health Outcomes regardless of one's status in life to attain the best possible health with no disparity; Responsiveness to feel respected, valued, and empowered in all of their interaction with the health system.

To ensure its efficiency, the health agenda obligates three guarantees that will be accomplished through a set of strategies. The first agenda refers to 1. All Life Stages and Triple Burden of Disease, 2. Access to various levels of health care, 3. Universal health insurance. The said agenda reminds us of the key players to keep our health services efficient and effective as a shield to the burden of disease, such as communicable diseases, non-communicable diseases and diseases of rapid urbanization and industrialization particularly in emergency crises like natural calamity.

#### IMPACT

The delivery of health services and its access especially to island communities were quite delayed and compromised due to inclement weather conditions and outage of communication and electricity not to mention the difficulty to access damaged roads and other infrastructure. Some isolated barangays were left to tend on their own until

aid was made available. Much needed resources such as medicines and other medical supplies were later on delivered.

Recently, the province suffered the wrath of TY “Odette” destroying crops, infrastructure, lifelines and communities. After the onset of the typhoon the significant effects on health of the population living in the most affected areas appeared, thus, increase in the demand for medications and first aid supplies; treatment of injuries caused by typhoon; prevention and treatment of communicable disease like COVID-19 outbreaks; and management of short and long term psychological effects among the population has challenged the ability of health care system to provide an equal priority in response and restoring the health system in order to continuously provide health services.

There were eight (8) provincial-owned hospitals located in northern Palawan damaged by typhoon Odette. Araceli/ Dumarang District Hospital and Facilities have been severely affected when it comes to their damages and needs.

Five (5) Rural Health Unit (RHU), 43 Barangay Health Stations (BHS), eight (8) Barangay Health Center, and 10 isolation facilities and molecular laboratories in Palawan have incurred minor damages. The Provincial Government of Palawan and other concerned agencies provided augmentation of the medical and other needs of affected Palawenos and later on the national agencies were able to send their assistance through the logistic support from the OCD, uniformed personnel and volunteers.

**Table 12. Over-All Impact of Typhoon Odette to the Health Sector**

Damaged Facilities	Number of Units per Schools Division		Total
	Puerto Princesa City	Palawan	
<b>Infrastructure</b>	<b>8</b>	<b>74</b>	<b>82</b>
District Hospitals and Facilities	0	8	8
Barangay Health Stations/ Barangay Health Centers/ Rural Health Units	7	56	63
Others (Isolation Facilities, Laboratories)	1	10	11
<b>Non-Infrastructure</b>	<b>198</b>	<b>-</b>	<b>198</b>
Medical Equipment/ Supplies (BP Apparatus and Stethoscope)	198 units	-	198
<b>TOTAL</b>	<b>206</b>	<b>74</b>	<b>280</b>



## DAMAGES, LOSSES AND NEEDS ASSESSMENT

Fortunately, the adverse effects of TY “Odette” did not entirely interrupt the delivery of basic health services. The inadequacy of necessary supplies and equipment in the health units has been addressed immediately through prepositioning of medicine prior to the onset of disaster.

The result of an assessment conducted revealed that the damage to health facilities amounted to Thirty-Nine Million Nine Hundred Thirty-Eight Thousand Four Hundred Seventy-Eight Pesos and 77/100 (PHP 39,938,478.77) The facilities with reported damages had destroyed Roofing, Ceiling & Broken Windows. These damages may be considered minor, further losses from health facilities will still cost the government resources and manpower to restore these indemnities. The amount of Fifty-Four Million Eight Hundred Forty-One Thousand Seven Hundred Sixty Pesos and 07/100 (PHP 54,841,760.07) is needed for the reconstruction and recovery of this sector.

**Table 13. Summary of Damages, Losses and Needs Assessment in Health Sector**

Health Office	Damages	Losses	Needs
Puerto Princesa City	2,390,128.18	280,000.00	2,994,900.65
Palawan	37,548,350.59	584,818.55	51,846,859.42
<b>Total</b>	<b>39,938,478.77</b>	<b>864,818.55</b>	<b>54,841,760.07</b>

Based on the validation conducted by the City Health Office of Puerto Princesa City, seven Barangay Health Stations and a Molecular Laboratory were partially damaged by the onslaught of typhoon Odette. 198 Blood Pressure equipment and stethoscope were damaged as well, which accumulated a total of Two Million Three Hundred Ninety Thousand One Hundred Twenty-Eight Pesos and 18/100 (PHP 2,390,128.18).

Meanwhile, 10 other Municipalities of Palawan also recorded damages in the District Hospitals, Rural Health Units, Barangay Health Stations and centers, and Isolation Facilities. This costs the province a total amount of Thirty-Seven Million Five Hundred Forty-Eight Thousand Three Hundred Fifty Peso and 59/100 (PHP 37,548,350.59).

**Table 14. Breakdown of Damages Per Health Office**

Damaged Facilities	Number of Units per Health Office		No. of Units	Total
	Puerto Princesa City	Palawan		
<b>Infrastructure</b>	<b>2,015,908.18</b>	<b>37,548,350.59</b>	<b>83</b>	<b>39,564,258.77</b>
District Hospitals and Facilities	-	16,053,272.74	8	16,053,272.74
Barangay Health Stations/ Barangay Health Centers/ Rural Health Units	1,133,436.09	19,665,077.85	63	20,798,513.94
Others (Isolation Facilities, Laboratories)	882,472.09	1,830,000.00	12	2,712,472.09
<b>Non-Infrastructure</b>	<b>374,220.00</b>	<b>-</b>	<b>198</b>	<b>374,220.00</b>
Medical Equipment/ Supplies (BP Apparatus and Stethoscope)	374,220.00	-	198	374,220.00
<b>TOTAL</b>	<b>2,390,128.18</b>	<b>37,548,350.59</b>	<b>281</b>	<b>39,938,478.77</b>

After the passage of the turbulent storm in the Province of Palawan, the Local Government Units of the affected municipalities and highly urbanized city headed by their Engineering Office immediately conducted assessment of the damaged health facilities. Those facilities with minor damages were promptly repaired.

Puerto Princesa City was able to disburse Two Hundred Eighty Thousand Pesos (PHP 280,000.00) while the province and other municipalities released Five Hundred Eighty-Four Thousand Eight Hundred Eighteen Pesos and 55/100 (PHP 584,818.55), having a total loss of Eight Hundred Sixty-Four Thousand Eight Hundred Eighteen Pesos and 55/100 (PHP 864,818.55).

**Table 15. Breakdown of Losses Per Health Office**

Damaged Facilities	Losses Incurred Per Health Office		No. of Facilities	Total
	Puerto Princesa City	Palawan		
District Hospitals and Facilities	-	250,000.00	1	250,000.00

Barangay Health Stations/ Barangay Health Centers/ Rural Health Units	-	334,818.55	31	334,818.55
Others (Isolation Facilities, Laboratories)	250,000.00	-	1	280,000.00
<b>TOTAL</b>	<b>250,000.00</b>	<b>584,818.55</b>	<b>33</b>	<b>864,818.55</b>

The health sector needs a total amount of Fifty-Four Million Eighty-Three Thousand Eight Hundred Sixty-Five Pesos and 38/100 (PHP 54,083,865.38) to cover the repair and rehabilitation of the partially damaged health facilities, construction of totally damaged facilities, and procurement of the damaged medical equipment.

Out of the total needs, Puerto Princesa City proposes Two Million Two Hundred Thirty-Seven Thousand Five Pesos and 96/100 (PHP 2,237,005.96) while the consolidated amount of the affected municipalities reached Fifty-Four Million Eight Hundred Forty-One Thousand Seven Hundred Sixty Pesos and 07/100 (PHP 54,841,760.07).

**Table 16. Breakdown of Needs per Health Office**

PROPOSED NEEDS	Number of Units per Schools Division		Total
	Puerto Princesa City	Palawan	
Repair of damaged facilities	2,620,680.65	46,846,859.42	49,467,540.07
Procurement of Medical Equipment	374,220.00	-	374,220.00
Construction of totally damaged facilities	-	5,000,000.00	5,000,000.00
<b>TOTAL</b>	<b>2,994,900.65</b>	<b>51,846,859.42</b>	<b>54,841,760.07</b>

## POLICY AND PROGRAM RECOMMENDATION FOR THE HEALTH SUB-SECTOR

- Intensify health workers relationship/ rapport with community by building commitment, trust and eliminate discrimination;
- Conduct regular visit of health personnel to areas affected to monitor the physical and mental health of the victims particularly those in hard-to-reach areas;

- Intensify health educational campaigns particularly on the importance and impact of safe water, sanitation, hygiene and nutrition including COVID-19 health protocols;
- Provision of sea ambulance and satellite phones for island/isolated communities
- Strengthen coordination and collaboration among concerned partner agencies, both government and private, including NGOs and humanitarian organizations;
- Enhancement/ update on emergency preparedness and response plans;
- Continuous inventory and replenishment of medicine to support the immediate medical needs of the community.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR HEALTH SUB-SECTOR

The following are the proposed policies and strategies for the recovery and reconstruction of the health sector:

1. Repair/rehabilitation of rural health units and barangay health stations which primarily serve the population in far flung barangays who do not have easy access to hospitals.
2. Review of existing local policies and guidelines on the delivery of health services, implementation of health programs, and upgrading/updating of policies to adapt to the current and anticipated needs of the community it serves.

## PRIORITY RECONSTRUCTION AND RECOVERY PRIORITY PROJECTS FOR THE HEALTH SECTOR

Table 17. Reconstruction and Recovery Framework for Health Sector

3	Priority Projects/ Activities	Location	Proposed Funding			Timeline	Remarks
			Recommended Funding	Funding Source	Implementing Agency		
1	Repair/Rehab of Damaged Hospital Buildings and Facilities	Puerto Princesa City	2,620,680.65	DOH	CGPP	2022	PL
		Palawan	46,846,859.42	DOH	PGP	2022	PL
		Araceli	8,515,000.00	DOH	PGP	2022	PL
		Rural Health Unit	1,300,000.00	DOH	PGP	2022	PL
		Tinintinan Brgy. Health Station	300,000.00	DOH	PGP	2022	PL
		Delayawon Brgy. Health Station	700,000.00	DOH	PGP	2022	PL

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

		<i>Poblacion Brgy. Health Station (Non existent)</i>	15,000.00	DOH	PGP	2022	PL
		<i>Osmeña Brgy. Health Station</i>	1,000,000.00	DOH	PGP	2022	PL
		<i>Dagman Brgy. Health Station (Non existent)</i>	900,000.00	DOH	PGP	2022	PL
		<i>Calandagan Brgy. Health Station</i>	900,000.00	DOH	PGP	2022	PL
		<i>Lumacad Brgy. Health Station (Old Brgy. Hall)</i>	400,000.00	DOH	PGP	2022	PL
		<i>Sto.Niño Brgy. Health Station</i>	700,000.00	DOH	PGP	2022	PL
		<i>Balogo Brgy. Health Station</i>	400,000.00	DOH	PGP	2022	PL
		<i>Taloto Brgy. Health Station</i>	500,000.00	DOH	PGP	2022	PL
		<i>San Jose De Oro Brgy. Health Station</i>	500,000.00	DOH	PGP	2022	PL
		<i>Madoldolon Brgy. Health Station</i>	400,000.00	DOH	PGP	2022	PL
		<i>Mauringen Brgy. Health Station</i>	500,000.00	DOH	PGP	2022	PL
		Coron	462,917.77	DOH	PGP	2022	PL
		Coron District Hospital	462,917.77	DOH	PGP	2022	PL
		Cuyo	562,917.77	DOH	PGP	2022	PL
		Cuyo District Hospital	462,917.77	DOH	PGP	2022	PL
		Lubid Brgy. Health Center	100,000.00	DOH	PGP	2022	PL
		Dumaran	11,375,437.20	DOH	PGP	2022	PL
		<i>Sto. Tomas Brgy. Health Station</i>	100,000.00	DOH	PGP	2022	PL
		<i>Sto. Tomas Isolation Building</i>	100,000.00	DOH	PGP	2022	PL
		<i>Catep Microscopist Building</i>	200,000.00	DOH	PGP	2022	PL
		<i>Calasag Brgy. Health Station</i>	100,000.00	DOH	PGP	2022	PL
		<i>San Juan Brgy. Health Station</i>	200,000.00	DOH	PGP	2022	PL

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

		<i>Poblacion Isolation Building</i>	500,000.00	DOH	PGP	2022	PL
		<i>Danleg Isolation Building</i>	100,000.00	DOH	PGP	2022	PL
		<i>Danleg Brgy. Health Station</i>	5,000.00	DOH	PGP	2022	PL
		<i>Capayas Isolation Building</i>	20,000.00	DOH	PGP	2022	PL
		<i>Ilian Brgy. Health Center</i>	100,000.00	DOH	PGP	2022	PL
		<i>Magsaysay Isolation</i>	40,000.00	DOH	PGP	2022	PL
		<i>Itangil Brgy. Health Center</i>	100,000.00	DOH	PGP	2022	PL
		<i>Vice Governor Francisco F. Ponce De Leon Memorial Hospital</i>	407,674.72	DOH	PGP	2022	PL
		<i>Araceli/ Dumarang District Hospital and Facilities</i>	9,402,762.48	DOH	PGP	2022	PL
		<i>El Nido</i>	2,102,152.32	DOH	PGP	2022	PL
		<i>El Nido Community Hospital</i>	1,820,000.00	DOH	PGP	2022	PL
		<i>Bebeladan Health Station</i>	282,152.32	DOH	PGP	2022	PL
		<i>Kalayaan</i>	2,350,000.00	DOH	PGP	2022	PL
		<i>Pag-Asa Brgy. Health Center</i>	1,500,000.00	DOH	PGP	2022	PL
		<i>Pag-Asa Isolation Facility</i>	850,000.00	DOH	PGP	2022	PL
		<i>Magsaysay</i>	3,500,000.00	DOH	PGP	2022	PL
		<i>Alcoba Brgy. Health Station</i>	3,500,000.00	DOH	PGP	2022	PL
		<i>Roxas</i>	11,180,579.58	DOH	PGP	2022	PL
		<i>Bagong Bayan Brgy. Health Center (Old)</i>	30,000.00	DOH	PGP	2022	PL
		<i>Bagong Bayan Brgy. Health Center (New)</i>	340,000.00	DOH	PGP	2022	PL
		<i>San Jose Brgy. Health Station</i>	15,000.00	DOH	PGP	2022	PL
		<i>Tagumpay Brgy. Health Station</i>	2,000,000.00	DOH	PGP	2022	PL
		<i>Rizal Brgy. Health Station</i>	120,000.00	DOH	PGP	2022	PL



POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

		<i>Caramay Brgy. Health Station</i>	425,579.58	DOH	PGP	2022	PL
		<i>San Miguel Brgy. Health Station</i>	1,500,000.00	DOH	PGP	2022	PL
		<i>Jolo Brgy. Health Station</i>	25,000.00	DOH	PGP	2022	PL
		<i>Minara Brgy. Health Station</i>	10,000.00	DOH	PGP	2022	PL
		<i>Poblacion II Rural Health Unit</i>	2,200,000.00	DOH	PGP	2022	PL
		<i>Tumarbong Brgy. Health Station</i>	15,000.00	DOH	PGP	2022	PL
		<i>Roxas Medicare Hospital</i>	1,500,000.00	DOH	PGP	2022	PL
		<i>Rural Health Unit</i>	3,000,000.00	DOH	PGP	2022	PL
		<b>San Vicente</b>	2,861,516.60	DOH	PGP	2022	PL
		<i>Binga Brgy. Health Station</i>	13,776.75	DOH	PGP	2022	PL
		<i>Sto. Niño Brgy. Health Center</i>	24,757.00	DOH	PGP	2022	PL
		<i>San Isidro Brgy. Health Center</i>	40,000.00	DOH	PGP	2022	PL
		<i>New Agutaya Brgy. Health Station</i>	60,375.00	DOH	PGP	2022	PL
		<i>RHU Main &amp; other facilities</i>	443,000.00	DOH	PGP	2022	PL
		<i>Port Barton Brgy. Health Station</i>	18,069.48	DOH	PGP	2022	PL
		<i>Caruray Brgy. Health Station</i>	651,538.37	DOH	PGP	2022	PL
		<i>San Vicente District Hospital</i>	1,410,000.00	DOH	PGP	2022	PL
		<i>San Vicente Ligtas Covid Facility</i>	200,000.00	DOH	PGP	2022	PL
		<b>Taytay</b>	3,936,338.18	DOH	PGP	2022	PL
		<i>Bantulan Brgy. Health Station</i>	10,000.00	DOH	PGP	2022	PL
		<i>Calawag Birthing Facility</i>	5,000.00	DOH	PGP	2022	PL
		<i>Binuan Brgy. Health Station</i>	10,000.00	DOH	PGP	2022	PL
		<i>Rural Health Unit Pancol</i>	88,169.09	DOH	PGP	2022	PL
		<i>Casian Brgy. Health Station</i>	10,000.00	DOH	PGP	2022	PL

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

		<i>Northern Palawan Provincial Hospital</i>	<i>3,225,000.00</i>	DOH	PGP	2022	PL
		<i>Pangcol Brgy Health Station</i>	<i>588,169.09</i>	DOH	PGP	2022	PL
	<b>Subtotal</b>		<b>49,467,540.07</b>				
2	Procurement of 198 units of Medical Equipment for PGP Hospitals	<b>Puerto Princesa City</b>	<b>374,220.00</b>	DOH	CGPP	2022	PL
	<b>Subtotal</b>		<b>374,220.00</b>				
3	Construction of two (2) Totally Damaged Health Facility	<b>Palawan</b>	<b>5,000,000.00</b>	<b>NDRRMF</b>	<b>PGP</b>	<b>2023</b>	<b>P</b>
		Roxas	5,000,000.00	NDRRMF	PGP	2022	P
		<i>Tinitian Brgy Health Station</i>	<i>2,500,000.00</i>	<i>NDRRMF</i>	<i>PGP</i>	<i>2023</i>	<i>P</i>
		<i>Green Island Brgy Health Station</i>	<i>2,500,000.00</i>	<i>NDRRMF</i>	<i>PGP</i>	<i>2023</i>	<i>P</i>
	<b>Subtotal</b>		<b>5,000,000.00</b>				
	<b>GRAND TOTAL</b>		<b>54,841,760.07</b>				

## 2.2 PRODUCTIVE SECTOR

### 2.2.1 AGRICULTURE SUB-SECTOR

#### OVERVIEW

Effects of tropical cyclones in the agriculture sector have not been so extensive and destructive in the province of Palawan for the past several years, recalling at the most recent typhoons that visited the westernmost province of the Philippines. In October 2020, Typhoon Quinta inflicted a PHP 179 M damages and losses to partially affected 4,272 hectares of rice area. After a year in October 2021, Typhoon Maring hit the province bringing PHP 14 M damages-losses primarily again to rice areas with an area of 1,241 hectares.

The 5,911 hectares of rice production areas affected by Typhoon Odette in December 2021 that account only 11% of the total rice area of the province was considerably insignificant to the provincial production performance but consequential to the city of Puerto Princesa and the municipalities of Roxas and San Vicente. The PHP 143.1 M damages-losses was however lower than the amount declined by Typhoon Quinta in 2020. Corn production areas got the least impact from the typhoon registering only PHP 1.1 M damages-losses.

Typhoon Rai (Local Name: Odette) impacted the fisheries sector heavily, most especially in Palawan. Capture and Aquaculture sectors recorded the most damages. During the onset of the typhoon, motorized boats and gears were destroyed and washed out by storm surges that ravaged the coastal communities amounting to PHP 138,636,675.00. The province of Palawan, which is one of the top seaweed producers in the country, were ravaged by storm surges and strong winds resulting to destroyed 1,791 hectares seaweed farms utilized by 4,052 fisherfolk who were highly dependent on seaweeds farming as their source of livelihood and income.

Cages of High Value Aquaculture Species such as Milkfish, Sea Cucumbers, various species of Groupers, Lobsters and Shellfishes among others were also damaged by Typhoon Odette. In total, the volume of losses in aquaculture sector is 345.61 metric tons amounting to PHP 435,738,911.00 were recorded. The Inland Sea Ranching Station, a BFAR hatchery facility located in Puerto Princesa City, also incurred damages from the typhoon. Fisherfolk were not able to return to their usual livelihood due to partially damaged, totally damaged boats and gears and washed-out ponds, fish farms, seaweed farms and damaged fish cages.

#### IMPACT

For 2021, rice production was expected to reach an estimated 358,200 metric tons from an effective rice area of 87,366 hectares with a potential average yield of 4.1 mt per hectare. Losing 7,354 metric tons from the havoc of Typhoon Odette, the province can still afford no rice deficit taking into consideration on its rice sufficiency level of 124.8%.

The high significance of impact was on high-value crops production owing to the heavy damage on the province's top commodity crop of cashew, mango and banana. The total losses from these crop and other important fruit trees reached PHP 1.1 billion. Moreover, this estimate excludes PHP 48.8 million losses from other permanent crops of coconut, abaca and rubber.

The gravity of impact was also evident in the livestock sub-sector that estimated loss amounting to PHP 62.6 million from culled animal population of 352 heads of cattle, 187 heads of carabao, 1,429 heads of goat, 1,410 heads of swine, and 78,545 heads of poultry. The city of Puerto Princesa and municipality of Roxas topped in losses among the eight municipalities that reported atrocity in livestock.

## DAMAGE, LOSS AND NEEDS ASSESSMENT

With the sub-sector of high-value crops being tremendously disabled, the Post-Disaster Needs Assessment (PDNA) has consequently declared the largest amount of need or recovery proposal amounting to PHP 852.7 billion for 2022 and 2023. The high-value sub-sector is expected to gain full recovery in 3 to 5 years but the initial years of recovery will be complemented by establishment of immediate, annual and biennial cash crops.

Rice production that followed high-value production in damages and losses will be intensified with hybrid and certified seed support. Meanwhile, rehabilitation in rice areas have already commenced in January 2022 with the distribution of high-quality certified rice seeds enough to replant 6,550 hectares of rice areas. 205 bags of corn seeds have already been in progress of distribution since January 2021. All these production support have been collaborated with the Provincial Agriculture Office (PAO) and the DA Agricultural Program Coordinating Office (APCO).

Generally, in all crops, need will be saturated by appropriate quantity of production interventions through adoption and at the same time, technology promotion of high-quality seeds, natural-organic fertilizers, organic pesticides, irrigation equipment and land preparation machineries. Toppled cashew, mango and banana plantations will be replanted with new seedlings or suckers for banana aside from cash-cropping with lowland vegetables and pineapples. Cacao and coffee are another option for production in these areas, aside from the introduction of more resilient and export-potential fruit crops that are still to be consulted with the PAO and the Municipal Agriculture Offices (MAOs).

**Table 18. Summary of Damages, Losses and Needs for the Agriculture Sub-sector**

Agriculture	Damages	Losses	Needs
Crops	213,209,474.29	1,298,410,589.90	852,747,372.00
Fisheries	814,886,414.58	435,738,911.00	748,491,250.00
Livestock and Poultry		62,642,098.50	106,351,405.00
Irrigation Facilities	5,200,000.00		10,400,000.00
Agriculture Assets	15,934,000.00		31,110,500.00
<b>TOTAL</b>	<b>1,049,229,888.87</b>	<b>1,796,791,599.40</b>	<b>1,749,100,527.00</b>

## POLICY AND PROGRAM RECOMMENDATION FOR THE AGRICULTURE SUB-SECTOR

The total need proposal of One Billion Six Hundred and Nine Thousand, Two Hundred Seventy-Seven Pesos (PHP 1,000,609,277.00) to procure recovery interventions has been aligned with the typical project programming of the Department of Agriculture which promotes or encourage:

- Provision of various production inputs for crops, livestock and poultry, and fisheries;
- Repair of production, post-production and small-scale irrigation facilities; and
- Provision of other assistance in the form of cash for culled live animals or necessary tools and supplies directly used to recover from disaster and build-up strong livelihood in order that the situation and living conditions of people in communities or areas affected by natural or human-induced calamities, epidemics, crises and catastrophes may be normalized as quickly as possible.

In no case shall the proposed budget assessed Typhoon Odette PDNA, inspired by Philippine DRRM objectives be used for pre-disaster activities, such as conduct of training, insurance of assets, and public information and information initiatives, or any other purpose not consistent with the department's rehabilitation and recovery program.

The Department of Agriculture-Bureau of Fisheries and Aquatic Resources is aligned to its mandate of a "Food Secure Philippines with Prosperous Farmers and Fisherfolk" by implementing programs such as distribution of boats and gears, distribution of fingerlings (Tilapia and Milkfish) and seaweed seedlings and farm implements. These programs need higher consideration and importance to hasten the recovery of the sector and easily catch up to the current needs of the economy not just natural calamities but to the continuing challenges brought by the COVID-19 pandemic.

To support and hasten the implementation of the reconstruction and recovery strategies for fisheries, particularly for the continuing programs, the following are hereby recommended:

- The continuing funds for the Survival and Recovery Aid by the Agricultural Credit and Policy Council must be sustained for qualified farmers and fisherfolk to access loan for their immediate recovery.
- To address the changing climate pattern most especially to the fishery sector, use of climate resilient seaweed farming technology and adaptability to climate resilient aquaculture practices are encouraged.
- To lessen burden on rehabilitation of typhoon-related damages of fisheries projects on the government in the future, LGUs should imposed availment of insurance in the Philippine Crop Insurance Corporation as part of the

requirements in their city/municipal licensing activities for fisheries projects in their respective jurisdictions.

- Immediate rehabilitation of damaged seaweed farms, restocking of fish cages, establishment of sea cucumber pens, and replacement of climate- resilient motorized boats of affected fisherfolk to resume their seaweed farming and other aquaculture and fishing activities, respectively.
- Provision of funds for the repair of hatchery facilities of Inland Sea Ranching Station at Puerto Princesa City so that it can cater to the milkfish fry requirements of fishpond operators in Palawan.
- Continuous registrations of fisherfolk in their respective local government units in Registry System for Basic Sectors in Agriculture (RSBSA) are encouraged for accessibility and future reference to programs in the Department of Agriculture and other programs of the government.
- Conduct of information and education campaign (IEC) and encouragement of fisherfolk to avail the services of Philippine Crop Insurance Corporation (PCIC) which are provided free to fisherfolk registered under RSBSA and have boats below three (3) gross tonnage, including other fisheries projects like seaweed farming and fish farming, subject to PCIC guidelines.
- Continuous trainings on different aquaculture technologies in grow out and production of the primary commodities and its adaptability to the changing climatic conditions.
- Encourage LGUs to identify areas and construct boat shelter/docking facility in the affected coastal areas.

## **RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE AGRICULTURE SUB-SECTOR**

The recovery program recommended the usual primary interventions of high-quality seeds of rice, corn and vegetables packaged with soil inoculants-conditioner and current demand for organic micro-nutrients and pesticides. These interventions shall complement to complete restoration of crop production areas within 2 to 3 seasons for 2 years.

Categorized to secondary intervention are farm animal repopulation. Recommended stocks for procurement will be female of high breed intended for proliferation and eventually for breed improvement of native population of large ruminants, goat and swine.

Coconut, rubber and abaca areas have been programmed for two-year rehabilitation because these perennial crops which are adapted to depleted environment generally don't need intensive management and can cope up from calamity easily in a shorter period of time.



Reconstruction need allocation shall fund restoration of irrigation facilities and machineries and infrastructures particularly of a coffee processing center which is vital to continue support local coffee industry. Essential also is the rehabilitation of a trading post maintained by DA's marketing division in fostering affordable and healthy Agri-commodities. Huge allocation was intended for the re-establishment of commercial poultry businesses particularly in the municipality of Roxas.

**Table 19. Summary of Recovery and Reconstruction Needs for Crops, Livestock, and Agriculture Assets**

NEEDS	ANNUAL NEEDED AMOUNT OF ASSISTANCE (PHP)			PROPOSED SOURCE OF FUND
	Total	2022	2023	
Recovery Needs				
C R O P S				
a. Rice Certified Seed	7,187,776.00	3,593,888.00	3,593,888.00	NDRRMF
b. Rice Hybrid Seed	35,466,000.00	17,733,000.00	17,733,000.00	NDRRMF
c. Corn Hybrid Seed	1,150,000.00	575,000.00	575,000.00	NDRRMF
d. Planting Material	69,273,250.00	69,273,250.00		NDRRMF
e. Vegetable Seed	78,108,000.00	39,054,000.00	39,054,000.00	NDRRMF
f. Inoculant Fertilizer	6,508,080.00	3,254,040.00	3,254,040.00	NDRRMF
g. Organic Micronutrient Fertilizer	110,526,500.00	55,263,250.00	55,263,250.00	NDRRMF
h. Organic Pesticide	75,789,600.00	37,894,800.00	37,894,800.00	NDRRMF
i. Irrigation Equipment	66,286,000.00	66,286,000.00		NDRRMF
j. Land Preparation Equipment	289,528,000.00	289,528,000.00		NDRRMF
k. Coconut Production Intervention	91,425,646.00	71,897,661.00	19,527,985.00	NDRRMF
l. Abaca Production Intervention	1,710,520.00	1,221,800.00	488,720.00	NDRRMF
m. Rubber Production Intervention	19,788,000.00	13,192,000.00	6,596,000.00	NDRRMF
Sub-Total	852,747,372.00	668,766,689.00	183,980,683.00	
LIVESTOCK				
a. Large Ruminant Stock	41,046,500.00	36,217,500.00	4,829,000.00	NDRRMF
b. Small Ruminant Stock	24,293,000.00	21,435,000.00	2,858,000.00	NDRRMF
c. Swine Stock	20,374,500.00	17,977,500.00	2,397,000.00	NDRRMF
d. Chicken Stock	19,116,330.00	16,867,350.00	2,248,980.00	NDRRMF
e. Other Poultry Stock	1,521,075.00	1,342,125.00	178,950.00	NDRRMF
Sub-Total	106,351,405.00	93,839,475.00	12,511,930.00	
Total	959,098,777.00	762,606,164.00	196,492,613.00	

Reconstruction Needs				
a. Irrigation Facilities	10,400,000.00	6,500,000.00	3,900,000.00	NDRRMF
b. Machinery and Infrastructures	31,110,500.00	19,917,500.00	11,193,000.00	NDRRMF
Total	41,510,500.00	26,417,500.00	15,093,000.00	

**Table 20. Summary of Recovery and Reconstruction Needs for Fisheries**

Project	Status	Estimated Cost	Source of Funds
Distribution of Boats and Gears	Proposed	231,920,000.00	DA-QRF/NDRRM Fund
Distribution of Milkfish Juveniles	Proposed	3,750,000.00	DA-QRF/NDRRM Fund
Distribution of Seaweed Seedlings & Farm Implements	Proposed	60,780,000.00	DA-QRF/NDRRM Fund
Establishment of Seaweed Nurseries	Proposed	5,250,000.00	DA-QRF/NDRRM Fund
Establishment of Sea Cucumber Pen	Proposed	22,400,000.00	DA-QRF/NDRRM Fund
Rehabilitation of the Inland Sea Ranching Station	Proposed	4,000,000.00	DA-QRF/NDRRM Fund
Establishment of Mussel Farm	Proposed	7,910,000.00	DA-QRF/NDRRM Fund
Farm inputs for Fish farms	Proposed	4,660,000.00	DA-QRF/NDRRM Fund
Cash for work for a minimum period of 90 days at 375/day	Proposed	406,721,250.00	DA-QRF/NDRRM Fund
Trainings on Climate Resilient Seaweed Varieties	Proposed	1,100,000.00	DA-QRF/NDRRM Fund
<b>TOTAL</b>		<b>748,491,250.00</b>	

## 2.2.2 TOURISM SUB-SECTOR

### OVERVIEW

The tourism industry was not spared during the onslaught of Typhoon Odette in the Province of Palawan. A total amount of PHP 342,458,694 in damages and PHP 217,540,702.01 in losses were reported to the PDNA team and tourism officers concerned.

Most of the areas affected by the typhoon were in Puerto Princesa City, northern part of Palawan mainland and part of Calamianes Group of Islands.

Damages were mostly partial to total infrastructure damages to tourism related establishments while the losses came from the cancellation of trips and tours during and after the typhoon.

A consolidated amount of PHP 464,219,806.87 was recorded to reflect the needs of the industry after the assessment.

### IMPACT

The recorded damages and losses due to Typhoon Odette further aggravated the continuing effect of the COVID-19 pandemic to the industry, causing more suffering to the private sector which has endured a lot since the start of the mobility restrictions on March 2020.

A total of 649 tourism enterprises and establishments and an estimated number of 4,571 stakeholders and workers were affected due to Typhoon Odette.

## DAMAGES, LOSSES, AND NEEDS ASSESSMENT

The HUC of Puerto Princesa, Municipalities of Roxas, San Vicente, Taytay, El Nido, Araceli, Kalayaan, Coron and El Nido were affected by Typhoon Odette in the Province of Palawan.

PPC comprises 66% of the damages incurred by the province with total damages amounting to PHP 342,458,694. This is followed by the Municipality of Roxas with a total reported damages of PHP 51,497,000 (15%) and San Vicente with damages amounting to PHP 46,322,586 (14%). The rest of the damages comprises the remaining 5% of the total amount. Reported damages ranges from partial to total damages in the accommodation establishments, Community-Based Tourism Sites, farm tourism sites, restaurants and tourist boats.

PPC also had the biggest recorded losses from the foregone income due to cancelled flights, trips and tours amounting to PHP 151,869,000.00 or 70% of the total losses. San Vicente follows with losses amounting to 41,914,700 (19%) and Roxas with 20,811,000 (10%).

The total amount of needs reported was PHP 464,219,806.87 with Puerto Princesa City, Roxas and San Vicente sharing 93% of the amount. Majority of the needs reported were for the repair, reconstruction and rehabilitation of the partially and totally damaged tourism related establishments and facilities. Also, there were reported need for supplies, financial assistance and technical assistance for the affected stakeholders.

**Table 21. Summary of Damages and Losses Tourism Sub-Sector**

City/Municipality	Damages	Losses	Needs
<b>Puerto Princesa City</b>	227,578,500.00	151,869,000.00	316,335,009.87
<b>Roxas</b>	51,497,000.00	20,811,000.00	69,360,000.00
<b>San Vicente</b>	46,322,586.00	41,914,700.00	46,965,750.00
<b>Taytay</b>	13,125,608.00	1,321,002.01	19,084,047.00
<b>Kalayaan</b>	2,100,000.00	-	10,000,000.00
<b>Araceli</b>	1,575,000.00	535,000.00	2,110,000.00
<b>El Nido</b>	260,000,000	105,000	365,000
<b>Coron</b>	-	985,000	-
<b>TOTAL</b>	<b>342,458,694.00</b>	<b>217,540,702.01</b>	<b>464,219,806.87</b>

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE TOURISM SUB-SECTOR

The tourism sub sector is one of the severely affected industries in Palawan. With most of the recorded needs being under the category of repair, construction and provision of assistance, the industry needs both short-term and long-term actions to be able to build back better.

**SHORT-TERM**

- Repairs, Reconstruction and Rehabilitation of partially and total damaged tourism establishments and facilities
- Provision of food and non-food supplies to affected stakeholders
- Provision of financial assistance to affected workers
- Provision of technical assistance to affected tourism stakeholders

**MEDIUM TO LONG-TERM**

- Build Back Better or Resiliency Program
- Technical Assistance to LGUs and private stakeholders on sustainable tourism
- Tourism Product Development
- Promotion and Marketing

**Table 22. Summary of Recovery and Reconstruction Needs in the Tourism Sub Sector**

Needs	AMOUNT (PHP)		PROPOSED FUNDING		Time-line
	Report of Damage	Recommended Funding	Funding Source	Implementing Agency	
Tourism Policy Formulation and Planning					
1. Capacity Building on the Conduct of Tourism Rapid Assessment		57,500.00	DOT		2022
2. Capacity Building on the Formulation of Local Tourism Development Plan		50,000.00	DOT		2022
3. Orientation on the Preparation of Local Tourism Code		50,000.00	DOT		2022
Industry Training					
1. Webinar on Mental Health and Psychosocial Support for Post Pandemic Situations		64,000.00	DOT		2022
2. Reinventing Yourself in tourism for the New Normal		64,000.00	DOT		2022
3. TISP TABANG Program - Tourism Industry Skills Program - Typhoon-Affected Banwa Assistance to Normalize Goals (list of trainings to follow)		2,600,000.00	DOT Main office continuing fund		2022
Cash for Work Program		10,000,000.00	DOT and DOLE		2022
Build Back Better/ Resiliency Program					

1. Conduct of capacity-building for LGUs and private stakeholders on sustainable tourism to include presentations on geohazard maps, crisis management, and climate change resilience strategies		800,000.00	DOT		2023
2. Product Development, Marketing and Promotion		900,000.00	DOT		2023
3. Loan program		5,000,000.00	DTI/ Small Business Corporation and DOT		2022
4. Repairs, Reconstruction and Rehabilitation; Distribution of Food and Non-food supplies		444,634,306.87	NDRRMF, LGUs and International Organizations		2022
<b>TOTAL</b>		<b>464,219,806.87</b>			

## 2.2.3 INDUSTRY, TRADE AND SERVICES SUB SECTOR

### OVERVIEW

The Province of Palawan and City of Puerto Princesa was adversely hit by Typhoon Odette. Micro, Small and Medium Enterprises and even some large businesses were affected by the onslaught of these typhoon.

### IMPACT

Trade and Industry Development Specialist Staff assigned under Business Development Division, alongside with Negosyo Center Coordinators instantaneously conducted data gathering on the damages to Micro, Small and Medium Enterprise (MSMEs) in the Province of Palawan. This is to assess and identify assistance that will be proposed and implemented to recover their businesses. We started contacting our assisted MSMEs via text messages and thru phone calls on December 22, 2021, and from December 27, 2021 onwards our team gathers data on site. Mostly damaged are structures such as physical stores, processing areas, plantation of raw materials, greenhouse and seedling shelter, fishing boats and death of poultry and livestock animals. The total damages for the Province of Palawan are at PHP 61,184,736.00 (includes PHP 13,251,500 of Puerto Princesa City) while the losses are at PHP 79,237,965.00 (includes PHP 5,746,000.00 of Puerto Princesa City) for a total effect of PHP 140,422,701.00 (includes PHP 18,997,500.00).

Simultaneously, Consumer Welfare Division conducted post-Typhoon price and supply monitoring of basic and prime commodities (BNPC), four (4) establishments (1 hardware in Roxas Palawan, 1 Grocery Store in Roxas Palawan, 1 Hardware in Taytay Palawan and 1 Grocery Store in Bgy. Langogan, Puerto Princesa City) were issued Letter of Inquiry on alleged overpricing of commodities sold after Typhoon Odette. No price changes nor depleted supplies from major supermarkets,

groceries and hardware occurred in other areas in the Province of Palawan. Higher demand for clearing agents and construction materials were expected as households repaired their damaged houses, physical stores and other infrastructure.

## DAMAGES, LOSSES, AND NEEDS ASSESSMENT

Business Development Division Staff (including regular personnel and Negosyo Center Coordinators) instantaneously conducted data gathering on the damages to MSMEs to assess and identify assistance that will be proposed and implemented to recover their businesses. The Total damages for the Province of Palawan are PHP 61,184,736.00 (includes PHP 13,251,500 of Puerto Princesa City) while the losses are at PHP 79,237,965.00 (includes PHP 5,746,000.00 of Puerto Princesa City) for a total effect of PHP 140,422,701.00 (includes PHP 18,997,500.00).

**Table 23. Summary of Damages, Losses and Needs in the City and Municipalities under Industry, Trade and Services**

PROVINCE	CITY/MUNICIPALITY	DAMAGE	LOSSES	NEEDS
PALAWAN	Aborlan	1,244,500.00	150,000.00	1,654,700.00
	Araceli	1,177,200.00	1,332,900.00	1,881,990.00
	Brooke's Point	28,000.00	8,000.00	22,000.00
	Dumaran	5,691,346.00	1,699,810.00	7,936,621.00
	El Nido	604,600.00	200,000.00	1,735,200.00
	Narra	496,650.00	383,000.00	448,370.00
	Puerto Princesa City	13,251,500.00	5,746,000.00	16,436,900.00
	Quezon	227,000.00	32,225.00	242,600.00
	Roxas	12,276,000.00	5,064,700.00	17,343,788.00
	San Vicente	20,290,190.00	20,633,730.00	29,183,765.00
	Sofronio Española	69,000.00	-	806,500.00
	Taytay	5,828,750.00	43,987,600.00	7,923,340.00
<b>TOTAL</b>		<b>61,184,736.00</b>	<b>79,237,965.00</b>	<b>85,615,774.00</b>

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR THE TRADE & INDUSTRY SERVICES SUB-SECTOR

- Conduct of Livelihood Seeding Program – Negosyo Serbisyo sa Barangay
- Conduct of Pangkabuhayan sa Pagbangon at Ginhawa Program
- Conduct of Diskwento Caravan
- Establishment of Negosyo Centers (Municipalities of Araceli and Dumaran)
- Establishment of Shared Service Facilities (Municipalities of Taytay, San Vicente, Araceli and Dumaran)
- Adopt a Business Continuity Plan focus on Disaster Resiliency



- Provide with Resiliency Training for MSMEs
- Other grant/assistance that maybe available for affected MSMEs

**Table 24. Reconstruction and Recovery Framework for Industry, Trade and Services**

Needs	Annual Needed Amount of Assistance (PHP)				Total Needs	Proposed Source of Funds
	Disaster Year	Year 1	Year 2	Year 3	(PHP)	
<b>Recovery Needs</b>						NDRRMC /DTI
1. Urgent repair or replacement of equipment and machinery	1,200,000.00	558,800.00	300,000.00	200,000.00	2,258,800.00	
2. Procurement of vital supplies	5,000,000.00	3,000,000.00	2,000,000.00	2,000,000.00	12,000,000.00	
3. Cleaning Operations	400,000.00					
<b>Reconstruction Needs</b>						
1. Replacement or reconstruction of affected structures	1,000,000.00	2,000,000.00	1,000,000.00	1,000,000.00	5,000,000.00	
<b>TOTAL</b>	<b>7,600,000.00</b>	<b>2,000,000.00</b>	<b>1,000,000.00</b>	<b>3,200,000.00</b>	<b>19,658,800.00</b>	

## 2.2.4 MINING INDUSTRY SUB-SECTOR

### OVERVIEW

Typhoon Odette had minimal impacts to the large-scale mining operations in Palawan Province, as these mining activities are mostly situated in municipalities that are not severely hit by the typhoon. As a result, no significant physical damages and losses were incurred to the large-scale mining operations. On the other hand, quarrying operations, especially the sand and gravel extraction were more affected as attributed to the nature of the activity. However, data on the estimated values of damages and losses of quarrying operations are limited due to the lack of official reports.

### IMPACT

In general, the large-scale mining operations in Palawan Province were not critically affected by Super Typhoon Odette. The representatives of large-scale mining companies in the province only reported intensified winds and rainfall as the major

effects of Typhoon Odette in their respective areas. Meanwhile, quarrying operations were more affected by typhoon-related flooding events which resulted to several damaged quarrying machineries and vehicles, and income losses for both operators and their staff due to a period of non-operation. These impacts were amplified by the losses incurred by the on-going COVID-19 Pandemic, leaving the quarrying operations more susceptible to other issues such as bankruptcy and the lack of aggregates for construction.

## DAMAGES, LOSSES, AND NEEDS ASSESSMENT

The cost of damages to the mining sector reached PHP 3,695,000.00 which accounted for the damaged backhoes, payloaders, and trucks used for sand and gravel extraction activities. The industry also incurred economic losses amounting to PHP 274,000.00 due to a period of non-operation and the unexpected expenses from debris clean up. The required cost for repairs, acquisition of new equipment and machineries, and employment of recovery strategies is estimated to be PHP 4,718,750.00. Due to lack of official reports, only damages and losses data from Puerto Princesa City, Palawan, was consolidated in this report.

**Table 25. Summary of Damages, Losses, and Needs of the Mining Industry in Palawan Province**

	DAMAGES (in PHP)	LOSSES (in PHP)	NEEDS (in PHP)
Large-scale Mining Operations	0.00	0.00	0.00
Quarrying Operations	3,695,000.00	274,000.00	4,718,750.00
<b>Total</b>	<b>3,695,000.00</b>	<b>274,000.00</b>	<b>4,718,750.00</b>

## POLICY AND PROGRAM RECOMMENDATIONS FOR THE MINING INDUSTRY SUB-SECTOR

- Establishment of efficient and effective policies and scheme on the data collection of mining-related damages and losses to ensure that all affected operations are well accounted and represented.
- Strengthening the relations between the mining permit holders and concerned LGUs for a better information dissemination, especially before and during disasters.
- Strict enforcement of the provisions of the laws, rules, and regulations concerning mining operations to minimize their negative environmental impacts (e.g., intensified riverbank erosion, soil erosion, etc.)
- Conduct of capacity building and training activities on disaster risk reduction and preparedness for the mining permit holders and their operation staff.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR MINING INDUSTRY SUB-SECTOR

The damaged machineries and vehicles are situated on or near the sand and gravel extraction site (rivers) during the disaster. These damages could have been avoided if there were enough preparations for the typhoon and its impacts. As an essential part of the build-back-better principle, capacity buildings and trainings concerning disaster risk reduction and preparedness should be conducted for the mining permit holders and their staff. Additionally, pre-disaster information dissemination is a key factor to lessen the impacts of such disasters. Moreover, the operators of sand and gravel extraction activities need an immediate repair and replacement of their machineries for the operations to commence. The complete clearing of debris and fallen trees along the hauling roads is also essential for their operations.

**Table 26. Summary of Recovery and Reconstruction Needs in the Mining Sub Sector**

Needs	AMOUNT (PHP)		PROPOSED FUNDING		Time-line
	Report of Damage	Recommended Funding	Funding Source	Implementing Agency	
Recovery Needs					
4. Urgent repair or replacement of equipment and machinery	3,695,000.00	4,618,750.00	Private Owners		2022
5. Clearing operations		100,000.00	Private Owners		2022
<b>TOTAL</b>		<b>4,718,750.00</b>			

## 2.3 INFRASTRUCTURE SECTOR

Typhoon Odette that hit Palawan Province resulted in infrastructure damage cost accumulated to PHP 399,487,616.66. An amount PHP 99,674,511.46 was computed as losses due to temporary repairs and conducted clearing operations and losses in incomes. While the total estimated amount for rehabilitation adopting the build-back-better principle to reconstruct and restore the damaged structures and facilities sums up to PHP 1,160,104,101.96.

**Table 27. Summary of Damages, Losses and Needs for Infrastructure Sector**

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR INFRASTRUCTURE SECTOR			
Sub-Sector	DAMAGE	LOSSES	NEEDS
A. Transportation	257,833,800.00	10,809,503.08	913,833,402.38
B. Flood Control	20,764,500.00	25,500.00	43,792,700.00
C. Water	35,397,228.00	48,955,280.03	51,673,265.92
D. Power	57,266,405.90	39,764,228.35	115,642,994.87
E. Irrigation	28,225,682.76	120,000.00	35,161,638.79
F. Telecommunication	-	-	-
<b>GRAND TOTAL</b>	<b>399,487,616.66</b>	<b>99,674,511.46</b>	<b>1,160,104,101.96</b>

### 2.3.1 TRANSPORTATION SUB-SECTOR

#### OVERVIEW

Transportation plays an important role in the progress and development in the province of Palawan its trade and economy especially tourism industry. Transportation infrastructures consist of road networks (from national road down to barangay roads), bridges, terminals/ports such as seaports and airports. These infrastructures are vital for the passage of goods, travelers and services to sustain healthy economy.

Conducted assessment on transportation sector focuses mainly on roads, bridges, airports and seaports in the province which are damaged during the onslaught of Typhoon Odette. These structures are vital in the relief and recovery operations of the government. It plays an integral part in the way we travel, receive goods and products, and connect with one another.

Temporary repairs and extensive clearing were undertaken by Government Agencies to prevent further damage in the structures and to keep accessibility in the transportation.

#### IMPACT

Typhoon Odette caused damages to infrastructure in the transportation sector due to hostile winds and continuous rains. Economic activities were also temporarily hampered due to the typhoon which causes seaports/airports to cancel trips while road networks are unpassable momentarily for vehicles. Greatly affected by the damages to the transportation sector is the tourism industry where Palawan Province is well

known. Extensive clearing operations and repairs was done by different government agencies/organizations and concerned citizens to bring the full functionality of the said infrastructure immediately.

## DAMAGES, LOSSES AND NEEDS ASSESSMENT

### A. ROADS

The estimated damage cost to road networks due to soil collapse/erosions and flooding accumulated to PHP 81,098,625.00. An amount PHP 6,792,503.08 was computed as losses due to temporary repairs and conducted clearing operations in road networks to remove obstruction such as soil collapse, fallen rocks and toppled trees. While the total estimated amount for rehabilitation adopting the build-back-better principle to reconstruct and restore road networks sums up to PHP 302,782,549.20.

**Table 28. Summary of Damages, Losses and Needs for Roads**

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR ROADS					
NAME OF PROJECT			DAMAGE	LOSSES	NEEDS
MUNICIPALITY	STRUCTURE				
NATIONAL ROAD					
1	Puerto Princesa City	National Road	78,080,000.00	1,438,003.08	117,483,325.00
2	Roxas	National Road	200,000.00	3,960,000.00	36,000,000.00
NATIONAL ROAD SUB-TOTAL			78,280,000.00	5,398,003.08	285,083,325.00
PROVINCIAL ROAD					
1	Roxas	Provincial Road	750,000.00	90,000.00	3,532,500.00
PROVINCIAL SUB-TOTAL			750,000.00	90,000.00	3,532,500.00
MUNICIPAL ROAD					
1	Puerto Princesa City	City Road	1,768,625.00	1,264,500.00	12,167,724.20
2	Roxas	Municipal Road	200,000.00	20,000.00	1,654,000.00
MUNICIPAL SUB-TOTAL			1,968,625.00	1,284,500.00	13,821,724.20
BARANGAY ROAD					
1	Roxas	Barangay Road	100,000.00	20,000.00	345,000.00
BARANGAY ROADS SUB-TOTAL			100,000.00	20,000.00	345,000.00
GRAND TOTAL			81,098,625.00	6,792,503.08	302,782,549.20

Table 29. Priority Ranking for Reconstruction and Recovery Needs for Roads

PRIORITY RANKING FOR RECONSTRUCTION AND RECOVERY NEEDS FOR ROADS							
PROGRAMS/ PROJECTS		STATUS (C, O, PL, P)	CRITERIA			SCORE	RANK
			IMPORTANCE R x (Weight)2	IMPACT R x (Weight)3	CAPACITY R x (Weight)1		
NATIONAL ROADS							
1	Repair/ Rehabilitation of Road Slope Protection along Puerto Princesa North Road, K0014+200 - K0014+210, K0020+850 -- K0020+870, K0027+374 - K0027+390, K0027+800 - K0027+810, K0034+100 -- K0034+120, K0060+900 - K0060+915, K0066+650 - K0066+700, K0080+900- - K0080+920, Puerto Princesa City, Palawan	P	3x2	3x3	3x1	18	1
2	Repair/ Rehabilitation of Road Slope Protection along PPSR Jct. Napsan -- Apurawan Road, K0045+800 - K0045+815, K0045+850- - K0045+865, Puerto Princesa City, Palawan	O	3x2	3x3	3x1	18	1
3	Repair/ Rehabilitation of Road Slope Protection along Puerto Princesa North Road, K0066+900 - K0066+940, K0070+000- - K0070+045, K0072+200- K0072+230 & K0081 +050 - K0081 + 120, Puerto Princesa City, Palawan	O	3x2	3x3	3x1	18	1
4	Repair/ Rehabilitation of Unpaved Shoulder along Puerto Princesa South Road, K0010+350 - K0010+500, Puerto Princesa City, Palawan	P	3x2	3x3	3x1	18	1
5	Repair/Rehabilitation of National Roads with Slips along PPNR (S00030PW), K0082+586 - K0082+626, Brgy. Langogan, Puerto Princesa City	P	3x2	3x3	3x1	18	1
6	Repair/Rehabilitation of National Roads with Slips along PPNR (S00030PW), K0082+800 - K0082+820, Brgy. Langogan, Puerto Princesa City	P	3x2	3x3	3x1	18	1
7	Repair/Rehabilitation of National Roads with Slips along PPNR (S00030PW), K0083+743 - K0083+783, Brgy. Tinitian, Roxas, Palawan	O	3x2	3x3	3x1	18	1
8	Repair/Rehabilitation of National Roads with Slips, Slope Protection along Langogan - Roxas Road Section, PPNR (S00030PW), K0083+100 - K0083+230 and K0083+280 - K0083+350, Brgy. Langogan, Puerto Princesa City	O	3x2	3x3	3x1	18	1
9	Clearing Operation of Soil Collapse in Various Road Section along Puerto Princesa North Road, Roxas, Palawan, and Puerto Princesa City	O	3x2	3x3	3x1	18	1
10	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along PPSR Jct. Napsan-Apurawan Road, K0035+305 – K0035+360	P	3x2	3x3	3x1	18	1
11	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along PPSR Jct. Napsan-Apurawan Road, K0035+404 – K0035+445	P	3x2	3x3	3x1	18	1
12	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along PPSR Jct. Napsan-Apurawan Road. K0035+899 – K0035+944	P	3x2	3x3	3x1	18	1



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

13	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along PPSR Jct. Napsan-Apurawan Road, K0035+981 – K0035+1008	P	3x2	3x3	3x1	18	1
14	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0014+068 – K0014+081, K0014+090 – K0014+110	P	3x2	3x3	3x1	18	1
15	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0027+375 – K0027+400	P	3x2	3x3	3x1	18	1
16	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0034+045 -K0034+085	P	3x2	3x3	3x1	18	1
17	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0060+870-K0060+940	P	3x2	3x3	3x1	18	1
18	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0069+482 -K0069+560	P	3x2	3x3	3x1	18	1
19	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0070+375 -K0070+450	P	3x2	3x3	3x1	18	1
<b>PROVINCIAL ROADS</b>							
1	Improvement/ Rehabilitation of Provincial Road From National Highway to Sitio Nanabu Road, Caramay, Roxas	P	3x2	3x3	2x1	17	2
2	Improvement/ Rehabilitation of Provincial Road from Bgy. Proper to Sitio Linapawan Road, Abaroan, Roxas	P	3x2	3x3	2x1	17	2
3	Improvement/ Rehabilitation of Provincial Road From National Highway to Sitio Marirong, Barangay Nicanor Zabala, Roxas	P	3x2	3x3	2x1	17	2
<b>MUNICIPAL ROADS</b>							
1	Construction of Slope Protection with Guard Rail along Mentis Road, Bgy. Maruyugon, Puerto Princesa City	P	3X2	3X3	1X1	16	3
2	Construction of Slope Protection with Guard Rail along Macarascas to Sabang Road, Puerto Princesa City	P	3X2	3X3	1X1	16	3
3	Construction of Slope Protection with Guard Rail along Nasuduan Road, Bgy. Nasuduan, Puerto Princesa City	P	3X2	3X3	1X1	16	3
4	Construction Slope Protection with Guard Rail along Langogan Road, Bgy. Langogan, Puerto Princesa City	P	3X2	3X3	1X1	16	3
5	Construction of Seawall and additional Slope Protection at Inagawan Road (Old Concrete Road), Bgy. Inagawan, Puerto Princesa City	P	3X2	3X3	1X1	16	3
6	Construction of Seawall and restoration of damaged PCCP at Human Settlement Road, Bgy. Lucbuan, Puerto Princesa City	P	3X2	3X3	1X1	16	3
7	Embankment Works for Restoration of Candes Tres Shoulders, Bgy. Bacungan, Puerto princesa City	P	3X2	3X3	1X1	16	3
8	Embankment Works at Approach of Bagong Bayan Wharf, Bgy. Bagong Bayan, Puerto Princesa City	P	3X2	3X3	1X1	16	3
9	Embankment Works for Restoration of Candes Uno, Bgy. Bacungan, Puerto Princesa City	P	3X2	3X3	1X1	16	3
10	Clearing Works at Bgy. Bahile to Cabayugan Road and Langogan Road, Bgy. and Langogan, Puerto Princesa City	P	3X2	3X3	1X1	16	3
11	Repair of Tagkawayan City Beach Reinforced Concrete Box Culvert, Bgy. Bacungan, Puerto Princesa City	P	3X2	3X3	1X1	16	3

12	Restoration of Stone Masonry Riprap at Bahile Port, Bgy. Bahile, Puerto Princesa City	P	3X2	3X3	1X1	16	3
13	Construction of Slope Protection/Stone Masonry at Barangay Site Road, Bgy. Maoyon, Puerto Princesa City	P	3X2	3X3	1X1	16	3
14	Improvement/ Rehabilitation of Municipal Road from Barangay Proper -Malcampo to Sitio San Dionisio, Malcampo, Roxas	P	3x2	3x3	1x1	16	3
15	Improvement/ Rehabilitation of Municipal Road From National Highway to Sitio Candelaria, Barangay Tagumpay, Roxas	P	3x2	3x3	1x1	16	3
<b>BARANGAY ROADS</b>							
1	Improvement/ Rehabilitation of Barangay Road From National Highway to Sitio Tagnipa Katutubo Site, Barangay Tinitian, Roxas	P	3x2	2x3	1x1	13	4
2	Improvement/ Rehabilitation of Barangay Road From National Highway to Old Site Barangay Hall, Barangay Tinitian, Roxas	P	3x2	2x3	1x1	13	4
3	Improvement/ Rehabilitation of Barangay Road from National Highway to Purok Mandaragat, Barangay Tinitian, Roxas	P	3x2	2x3	1x1	13	4
4	Improvement/ Rehabilitation of Barangay Road from National Highway to Sitio Balugo, Barangay San Miguel, Roxas	P	3x2	2x3	1x1	13	4

## B. BRIDGES

Computed cost of damage on bridge structures is PHP 159,980,000.00. The figure includes cost of damage in provincial bridges, municipal and barangay footbridges and hanging bridges. Rehabilitation and improvement of bridge structures yielded PHP 572,198,791.13 while losses recorded for immediate repairs and clearing operation cost amounted to PHP 3,847,000.00.

**Table 30. Summary of Damages, Losses and Needs for Bridges**

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR BRIDGES					
NAME OF PROJECT			DAMAGE	LOSSES	NEEDS
MUNICIPALITY	STRUCTURE				
NATIONAL					
1	Puerto Princesa City	National Bridge	117,550,000.00	0.00	346,485,000.00
NATIONAL ROAD SUB-TOTAL			117,550,000.00	-	346,485,000.00
PROVINCIAL					
1	Roxas	Bridge	15,000,000.00	500,000.00	50,000,000.00
2	Dumaran	Bridge	200,000.00	-	300,000.00
PROVINCIAL SUB-TOTAL			15,200,000.00	500,000.00	50,300,000.00
MUNICIPAL					
1	Roxas	Bridge	13,900,000.00	3,170,000.00	157,380,471.13
2	Araceli	Bridge	10,000,000.00	12,000.00	12,000,000.00
MUNICIPAL SUB-TOTAL			23,900,000.00	3,182,000.00	169,380,471.13
BARANGAY					

1	Roxas	Foot Bridge, Hanging Bridge, Timber Bridge	1,850,000.00	165,000.00	3,980,000.00
2	Taytay	Foot Bridge, Wooden Bridge	1,230,000.00	-	1,599,000.00
3	Cagayancillo	Foot bridge	250,000.00	-	454,320.00
<b>BARANGAY ROADS SUB-TOTAL</b>			<b>3,330,000.00</b>	<b>165,000.00</b>	<b>6,033,320.00</b>
<b>GRAND TOTAL</b>			<b>159,980,000.00</b>	<b>3,847,000.00</b>	<b>572,198,791.13</b>

**Table 31. Priority Ranking for Reconstruction and Recovery Needs for Bridges**

PRIORITY RANKING FOR RECONSTRUCTION AND RECOVERY NEEDS FOR BRIDGES							
PROGRAMS/ PROJECTS		STATUS (C, O, PL, P)	CRITERIA			SCORE	RANK
			IMPORTANCE R x (Weight)2	IMPACT R x (Weight)3	CAPACITY R x (Weight)1		
NATIONAL							
1	Repair/ Rehabilitation of Bridge Approaches, Tagburos Bridge 1, along Irawan-Tagburos Road, K0016+587, Puerto Princesa City, Palawan	O	3x2	3x3	3x1	18	1
2	Construction of San Rafael Bridge Detour, along Puerto Princesa North Road, K0062+731, Puerto Princesa City, Palawan	O	3x2	3x3	3x1	18	1
3	Construction of San Rafael (Replacement) Bridge, along Puerto Princesa North Road, K0062+731, Puerto Princesa City, Palawan	P	3x2	3x3	3x1	18	1
4	Repair/ Restoration of Babuyan Bridge along Puerto Princesa North Road, Puerto Princesa City	O	3x2	3x3	3x1	18	1
5	Repair/Restoration of Various National Bridges Damaged by Typhoon Odette - Tanabag Bridge, Concepcion Bridge, Tarabanan, Bridge along Puerto Princesa North Road, Puerto Princesa City	O	3x2	3x3	3x1	18	1
6	Major Repair/ Rehabilitation of Mentis Bridge (B00093PW) along Puerto Princesa North Road, K0050+039, Brgy. Maruyugon, Puerto Princesa City	P	3x2	3x3	3x1	18	1
7	Major Repair/ Rehabilitation of Bridge Approaches – Tarabanan Bridge (B000102PW) along Puerto Princesa North Road, K0068+650, Brgy. Concepcion, Puerto Princesa City	P	3x2	3x3	3x1	18	1
8	Major Repair/ Rehabilitation of Bridge Approaches – Tanabag Bridge 2 (B000304PW) along Puerto Princesa North Road, K0065+179, Brgy. Concepcion, Puerto Princesa City	P	3x2	3x3	3x1	18	1
9	Dredging of Waterway along Tugbuan Bridge, Puerto Princesa North Road, K0077+173, Puerto Princesa City	P	3x2	3x3	3x1	18	1
10	Dredging of Waterway along Tanabag Bridge A and Tanabag Bridge B, Puerto Princesa North Road, K0065+179, Brgy. Concepcion, Puerto Princesa City	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

11	Major Repair/ Rehabilitation of Bridge Approaches – Binduyan Bridge (B000104PW) along Puerto Princesa North Road, K0072+934, Brgy. Binduyan, Puerto Princesa City	P	3x2	3x3	3x1	18	1
12	Major Repair/ Rehabilitation of Bridge Approaches – Talabigan Bridge (B000105PW) along Puerto Princesa North Road, K0075+602, Brgy. Binduyan, Puerto Princesa City	P	3x2	3x3	3x1	18	1
13	Major Repair/ Rehabilitation of Bridge Approaches – Olanguan Bridge (B000103PW) along Puerto Princesa North Road, K0072+008, Brgy. Binduyan, Puerto Princesa City	P	3x2	3x3	3x1	18	1
14	Construction of New Bridge – Tagburos Bridge 2 (4-Lane Width), Tagburos River, along Irawan-Tagburos Road, Sta. Lourdes, Puerto Princesa City	P	3x2	3x3	3x1	18	1
15	Replacement of Bridge – Concepcion B00101PW (Road from 2 lanes to 4 lanes bridge), Along Puerto Princesa North, Brgy. Concepcion, Puerto Princesa City	P	3x2	3x3	3x1	18	1
<b>PROVINCIAL</b>							
1	Rehabilitation/ Reconstruction of Taradungan Bridge, Roxas	P	3x2	3x3	2x1	17	2
<b>MUNICIPAL</b>							
1	Rehabilitation/ Reconstruction of Sandoval Hanging Bridge, Roxas	P	3x2	3x3	1x1	16	3
2	Rehabilitation/ Reconstruction of Rizal Hanging Bridge, Roxas	P	3x2	3x3	1x1	16	3
3	Rehabilitation/ Reconstruction of Caramay Hanging Bridge, Roxas	P	3x2	3x3	1x1	16	3
4	Rehabilitation/ Reconstruction of Sto.Tomas Timber Bridge I in Sitio Pagkakaisa, Roxas	P	3x2	3x3	1x1	16	3
5	Rehabilitation/ Reconstruction of Sto.Tomas Timber Bridge II in Sitio Bagong Silang, Roxas	P	3x2	3x3	1x1	16	3
6	Rehabilitation/ Reconstruction of Sto.Tomas Timber Bridge III in Sitio Bagong Silang, Roxas	P	3x2	3x3	1x1	16	3
7	Rehabilitation/ Reconstruction of Sto.Tomas Timber Bridge IV in Sitio Sagisag, Roxas	P	3x2	3x3	1x1	16	3
8	Rehabilitation/Reconstruction of Brgy. Balogo Bridge 1, Araceli	P	3x2	3x3	1x1	16	3
9	Rehabilitation/ Reconstruction of Tagumpay RCDG Bridge 2, Dumaran	P	3x2	3x3	1x1	16	3
<b>BARANGAY</b>							
1	Rehabilitation/ Reconstruction of Masikap Footbridge, Magara, Roxas	P	3x2	2x3	1x1	15	4
2	Rehabilitation/ Reconstruction of Purok Ilang-Ilang Footbridge, Salvacion, Roxas	P	3x2	2x3	1x1	15	4
3	Rehabilitation/ Reconstruction of Balugo Footbridge, San Miguel, Roxas	P	3x2	2x3	1x1	15	4
4	Rehabilitation/ Reconstruction of Purok Taguray Timber Bridge, Jolo, Roxas	P	3x2	2x3	1x1	15	4
5	Rehabilitation/ Reconstruction of Purok Taguray Hanging Bridge, Jolo, Roxas	P	3x2	2x3	1x1	15	4
6	Rehabilitation/ Reconstruction of Sitio Buayan Timber Bridge, New Cuyo, Roxas	P	3x2	2x3	1x1	15	4
7	Rehabilitation/ Reconstruction of Sitio Little Baguio Timber Bridge, Mendoza, Roxas	P	3x2	2x3	1x1	15	4

8	Rehabilitation/ Reconstruction of Sitio Taliwara Timber Bridge, Mendoza, Roxas	P	3x2	2x3	1x1	15	4
9	Rehabilitation/ Reconstruction of Sitio Durian Timber Bridge, Mendoza, Roxas	P	3x2	2x3	1x1	15	4
10	Rehabilitation/ Reconstruction of Purok IV Timber Bridge, Brgy. Tagumpay, Roxas	P	3x2	2x3	1x1	15	4
11	Rehabilitation/ Reconstruction of Sitio Calawag Wooden Foot Bridge, Taytay	P	3x2	2x3	1x1	15	4
12	Rehabilitation/ Reconstruction of Macacaon Bridge (Wooden), Brgy. Calawag, Taytay	P	3x2	2x3	1x1	15	4
13	Rehabilitation/ Reconstruction of Malangao Bridge (Wooden), Brgy. Calawag, Taytay	P	3x2	2x3	1x1	15	4
14	Rehabilitation/ Reconstruction of Balinatag Bridge (wooden), Brgy. Calawag, Taytay	P	3x2	2x3	1x1	15	4
15	Rehabilitation/ Reconstruction of Foot Bridge, Brgy. Mampio, Cagayancillo	P	3x2	2x3	1x1	15	4
16	Rehabilitation/ Reconstruction of Purok Masipag Foot Bridge, Brgy. Abaroan, Roxas	P	3x2	2x3	1x1	15	4

### C. PORTS (SEAPORTS & AIRPORTS)

Cost of damage in Port facilities computed to a total of PHP 16,755,175.00 with declared losses of PHP 170,000.00 due to forgone income during the calamity and temporary repairs in the facilities. Estimated reconstruction and improvement costs sums up to PHP 38,852,062.05.

**Table 32. Summary of Damages, Losses and Needs for Ports**

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR PORTS					
NAME OF PROJECT			DAMAGE	LOSSES	NEEDS
MUNICIPALITY		STRUCTURE			
1	Sta. Teresita, Dumarán	Seawall & Port	1,955,175.00	-	3,477,062.05
2	Roxas	Municipal Feeder Port (2-Storey office Building, Port Access Road, Collection Booth, Ticketing Booth, Waiting Shed)	10,750,000.00	160,000.00	28,900,000.00
3	Magsaysay	Mini Wharf Bgy Alcoba	1,500,000.00	-	2,500,000.00
4	Cuyo	Funda Mini Wharf	800,000.00	-	1,000,000.00
5	Linapacan	New Colaylayan Pier 1	150,000.00	2,500.00	242,500.00
6	Linapacan	New Colaylayan Pier 2	300,000.00	2,500.00	482,500.00
7	Araceli	Municipal Port	1,000,000.00	5,000.00	1,500,000.00
8	Kalayaan	Docking Area	300,000.00	-	750,000.00
GRAND TOTAL			16,755,175.00	170,000.00	38,852,062.05

Table 33. Priority Ranking for Reconstruction and Recovery Needs for Ports

PRIORITY RANKING FOR RECONSTRUCTION AND RECOVERY NEEDS FOR PORTS							
PROGRAMS/ PROJECTS		STATUS (C, O, PL, P)	CRITERIA			SCORE	RANK
			IMPORTANCE R x (Weight) <sup>2</sup>	IMPACT R x (Weight) <sup>3</sup>	CAPACITY R x (Weight) <sup>1</sup>		
1	Repair/Rehabilitation of Seawall & Port, Sta. Teresita, Dumaran	P	3x2	3x3	3x1	18	1
2	Repair/Rehabilitation of Municipal Feeder Port (2-Storey office Building, Port Access Road, Collection Booth, Ticketing Booth, Waiting Shed), Roxas	P	3x2	3x3	3x1	18	1
3	Repair/Rehabilitation of Mini Wharf Bgy Alcoba, Magsaysay	P	3x2	3x3	3x1	18	1
4	Repair/Rehabilitation of Funda Mini Wharf, Cuyo	P	3x2	3x3	3x1	18	1
5	Repair/Rehabilitation of New Colaylayan Pier 1, Linapacan	P	3x2	3x3	3x1	18	1
6	Repair/Rehabilitation of New Colaylayan Pier 2, Linapacan	P	3x2	3x3	3x1	18	1
7	Repair/Rehabilitation of Municipal Port, Araceli	P	3x2	3x3	3x1	18	1
8	Repair/Rehabilitation of Docking Area, Kalayaan	P	3x2	3x3	3x1	18	1

## POLICY AND PROGRAM RECOMMENDATION for TRANSPORTATION SUB-SECTOR

- Prior to construction of road sections and other government infrastructures, Revisit the Implementing Rules and Regulations of Republic Act No. 10752, An Act Facilitating the Acquisition of Road Right of Way, site or location for national government infrastructure projects.
- Strict implementation of design standards of DPWH.
- Strict monitoring and regular inspection of ongoing infrastructure projects to ensure compliance with the prescribed standards and timelines.
- Provide strong linkages and coordination between and among the regional, provincial and local agencies and LGUs in the planning and implementation of infrastructure programs and projects.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR TRANSPORTATION SUB-SECTOR

- Reconstruction, rehabilitation and repair of roads will be conducted in order of priority. This will be followed in order to immediately restore access of goods and services:

Priority 1: National Roads  
 Priority 2: Provincial Roads  
 Priority 3: Municipal and Barangay Roads

- In the reconstruction of roads and bridges, a “Build Back Better” policy should be the utmost importance to improve the ease of access of goods, services and people. Hence, better materials and methods must be taken into account in reconstructing roads and bridges in order to improve their quality into more disaster-resilient avenues for development and improvement of citizen’s state of living.

**Table 34. Reconstruction and Recovery Needs for Roads**

RECONSTRUCTION AND RECOVERY NEEDS FOR ROADS								
RANK	PRIORITY PROJECTS/ ACTIVITIES	LOCATION	AMOUNT (PHP)		PROPOSED FUNDING		TIMELINE	REMARKS
			REPORT OF DAMAGE	RECOMMENDED FUNDING	FUNDING SOURCE	IMPLEMENTING AGENCY		
National Roads								
1	Repair/ Rehabilitation of Road Slope Protection along Puerto Princesa North Road, K0014+200 - K0014+210, K0020+850 -- K0020+870, K0027+374 - K0027+390, K0027+800 - K0027+810, K0034+100 -- K0034+120, K0060+900 - K0060+915, K0066+650 - K0066+700, K0080+900- - K0080+920, Puerto Princesa City, Palawan	PUERTO PRINCESA CITY	10,000,000.00	35,000,000.00	DPWH	DPWH	2022	P
1	Repair/ Rehabilitation of Road Slope Protection along PPSR Jct. Napsan -- Apurawan Road, K0045+800 - K0045+815, K0045+850- -	PUERTO PRINCESA CITY	12,000,000.00	13,968,375.00	DPWH	DPWH	2022	O



POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	K0045+865, Puerto Princesa City, Palawan							
1	Repair/ Rehabilitation of Road Slope Protection along Puerto Princesa North Road, K0066+900 - K0066+940, K0070+000- - K0070+045, K0072+200- K0072+230 & K0081 +050 - K0081 + 120, Puerto Princesa City, Palawan	PUERTO PRINCESA CITY	3,000,000.00	5,625,950.00	DPWH	DPWH	2022	O
1	Repair/ Rehabilitation of Unpaved Shoulder along Puerto Princesa South Road, K0010+350 - K0010+500, Puerto Princesa City, Palawan	PUERTO PRINCESA CITY	2,000,000.00	2,785,000.00	DPWH	DPWH	2022	P
1	Repair/Rehabilit ation of National Roads with Slips along PPNR (S00030PW), K0082+586 - K0082+626, Brgy. Langogan, Puerto Princesa City	PUERTO PRINCESA CITY	10,000,000.00	40,000,000.00	DPWH	DPWH	2022	P
1	Repair/Rehabilit ation of National Roads with Slips along PPNR (S00030PW), K0082+800 - K0082+820, Brgy. Langogan, Puerto Princesa City	PUERTO PRINCESA CITY	1,000,000.00	10,000,000.00	DPWH	DPWH	2022	P
1	Repair/Rehabilit ation of National Roads with Slips along PPNR (S00030PW), K0083+743 - K0083+783,	PUERTO PRINCESA CITY	200,000.00	36,000,000.00	DPWH	DPWH	2022	O

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	Brgy. Tinitian, Roxas, Palawan							
1	Repair/Rehabilitation of National Roads with Slips, Slope Protection along Langogan - Roxas Road Section, PPNR (S00030PW), K0083+100 - K0083+230 and K0083+280 - K0083+350, Brgy. Langogan, Puerto Princesa City	PUERTO PRINCESA CITY	600,000.00	10,104,000.00	DPWH	DPWH	2022	O
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along PPSR Jct. Napsan- Apurawan Road, K0035+305 – K0035+360	PUERTO PRINCESA CITY	5,340,000.00	17,800,000.00	DPWH	DPWH	2022	P
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along PPSR Jct. Napsan- Apurawan Road, K0035+404 – K0035+445	PUERTO PRINCESA CITY	4,920,000.00	16,400,000.00	DPWH	DPWH	2022	P
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along PPSR Jct. Napsan- Apurawan Road, K0035+899 – K0035+944	PUERTO PRINCESA CITY	4,380,000.00	14,600,000.00	DPWH	DPWH	2022	P
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along	PUERTO PRINCESA CITY	2,640,000.00	8,800,000.00	DPWH	DPWH	2022	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	PPSR Jct. Napsan- Apurawan Road, K0035+981 – K0035+1008							
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0014+068 – K0014+081, K0014+090 – K0014+110	PUERTO PRINCESA CITY	3,075,000.00	10,250,000.00	DPWH	DPWH	2022	P
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0027+375 – K0027+400	PUERTO PRINCESA CITY	2,430,000.00	8,100,000.00	DPWH	DPWH	2022	P
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0034+045 - K0034+085	PUERTO PRINCESA CITY	960,000.00	3,200,000.00	DPWH	DPWH	2022	P
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0060+870- K0060+940	PUERTO PRINCESA CITY	6,795,000.00	22,650,000.00	DPWH	DPWH	2022	P
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road,	PUERTO PRINCESA CITY	1,650,000.00	5,500,000.00	DPWH	DPWH	2022	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	K0069+482 - K0069+560							
1	Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide along Puerto Princesa North Road, K0070+375 - K0070+450	PUERTO PRINCESA CITY	7,290,000.00	24,300,000.00	DPWH	DPWH	2022	P
<b>Provincial Roads</b>								
2	Improvement/ Rehabilitation of Provincial Road From National Highway to Sitio Nanabu Road	Caramay, Roxas	250,000.00	1,605,000.00	NDRRM F	PGP	2022- 2025	P
2	Improvement/ Rehabilitation of Provincial Road from Bgy. Proper to Sitio Linapawan Road	Abaroan, Roxas	250,000.00	1,372,500.00	NDRRM F	PGP	2022- 2025	P
2	Improvement/ Rehabilitation of Provincial Road, From National Highway to Sitio Marirong	Nicanor Zabala, Roxas	250,000.00	555,000.00	NDRRM F	PGP	2022- 2025	P
<b>Municipal Roads</b>								
3	Construction of Slope Protection with Guard Rail along Mentis Road,	Bgy. Maruyugon, Puerto Princesa City	112,500.00	2,990,000.00	NDRRM F	Office of the City Enginee r	2022- 2023	P
3	Construction of Slope Protection with Guard Rail along Macarascas to Sabang Road,	Puerto Princesa City	75,000.00	1,937,175.00	NDRRM F	Office of the City Enginee r	2022- 2023	P
3	Construction of Slope Protection with Guard Rail along Nasuduan Roa,	Bgy. Nasuduan, Puerto Princesa City	253,750.00	1,634,725.00	NDRRM F	Office of the City Enginee r	2022- 2023	P
3	Construction Slope Protection with Guard Rail along Langogan Road,	Bgy. Langogan, Puerto Princesa City	900,000.00	1,014,300.00	NDRRM F	Office of the City Enginee r	2022- 2023	P
3	Construction of Seawall and additional Slope	Bgy. Inagawan,	65,625.00	1,305,374.20	NDRRM F	Office of the City	2022- 2023	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

	Protection at Inagawan Road (Old Concrete Road)	Puerto Princesa City				Engineer		
3	Construction of Seawall and restoration of damaged PCCP at Human Settlement Road	Bgy. Lucbuan, Puerto Princesa City	49,875.00	726,225.00	NDRRM F	Office of the City Engineer	2022-2023	P
3	Embankment Works for Restoration of Candes Tres Shoulders,	Bgy. Bacungan, Puerto Princesa City	34,000.00	92,000.00	NDRRM F	Office of the City Engineer	2022-2023	P
3	Embankment Works at Approach of Bagong Bayan Wharf	Bgy. Bagong Bayan, Puerto Princesa City	50,000.00	65,000.00	NDRRM F	Office of the City Engineer	2022-2023	P
3	Embankment Works for Restoration of Candes Uno	Bgy. Bacungan, Puerto Princesa City	8,500.00	23,000.00	NDRRM F	Office of the City Engineer	2022-2023	P
3	Clearing Works at Bgy. Bahile to Cabayugan Road and Langogan Road	Bgy. and Langogan, Puerto Princesa City	-	1,137,925.00	NDRRM F/ Private Donor	Office of the City Engineer	2022-2023	P
3	Repair of Tagkawayan City Beach Reinforced Concrete Box Culvert	Bgy. Bacungan, Puerto Princesa City	105,000.00	345,000.00	NDRRM F	Office of the City Engineer	2022-2023	P
3	Restoration of Stone Masonry Riprap at Bahile Port	Bgy. Bahile, Puerto Princesa City	45,000.00	207,000.00	NDRRM F	Office of the City Engineer	2022-2023	P
3	Construction of Slope Protection/Stone Masonry at Barangay Site Road	Bgy. Maoyon, Puerto Princesa City	69,375.00	690,000.00	NDRRM F	Office of the City Engineer	2022-2023	P
3	Improvement/ Rehabilitation of Municipal Road from Barangay Proper - Malcampo to Sitio San Dionisio	Malcampo, Roxas	100,000.00	354,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

3	Improvement/ Rehabilitation of Municipal Road from National Highway to Sitio Candelaria,	Barangay Tagumpay, Roxas	100,000.00	1,300,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
<b>Barangay Roads</b>								
4	Improvement/ Rehabilitation of Barangay Road From National Highway to Sitio Tagnipa Katutubo Site	Barangay Tinitian, Roxas	25,000.00	50,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Improvement/ Rehabilitation of Barangay Road From National Highway to Old Site Barangay Hall,	Barangay Tinitian, Roxas	25,000.00	80,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Improvement/ Rehabilitation of Barangay Road From National Highway to Purok Mandaragat	Barangay Tinitian, Roxas	25,000.00	65,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Improvement/ Rehabilitation of Barangay Road From National Highway to Sitio Balugo	Barangay San Miguel, Roxas	25,000.00	150,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
<b>TOTAL</b>			<b>81,098,625.00</b>	<b>302,782,549.20</b>				

Table 35. Reconstruction and Recovery Needs for Bridges

RECONSTRUCTION AND RECOVERY NEEDS FOR BRIDGES								
RANK	PRIORITY PROJECTS/ ACTIVITIES	LOCATION	AMOUNT (PHP)		PROPOSED FUNDING		TIMELINE	REMARKS
			REPORT OF DAMAGE	RECOMMENDED FUNDING	FUNDING SOURCE	IMPLEMENTING AGENCY		
National								
1	Repair/ Rehabilitation of Bridge Approaches,	PUERTO PRINCESA CITY	8,000,000.00	10,720,000.00	DPWH	DPWH	2022	O

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	Tagburos Bridge 1, along Irawan-Tagburos Road, K0016+587, Puerto Princesa City, Palawan							
1	Construction of San Rafael Bridge Detour, along Puerto Princesa North Road, K0062+731, Puerto Princesa City, Palawan	PUERTO PRINCESA CITY		7,720,000.00	DPWH	DPWH	2022	O
1	Construction of San Rafael Replacement Bridge, along Puerto Princesa North Road, K0062+731, Puerto Princesa City, Palawan	San Rafael, PUERTO PRINCESA CITY	30,000,000.00	80,000,000.00	DPWH	DPWH	2023	P
1	Repair/ Restoration of Babuyan Bridge along Puerto Princesa North Road, Puerto Princesa City	PUERTO PRINCESA CITY	2,000,000.00	2,500,000.00	DPWH	DPWH	2022	O
1	Repair/Restoration of Various National Bridges Damaged by Typhoon Odette - Tanabag Bridge, Concepcion Bridge, Tarabanan, Bridge along Puerto Princesa North Road, Puerto Princesa City	PUERTO PRINCESA CITY	6,000,000.00	7,045,000.00	DPWH	DPWH	2022	O
1	Major Repair/ Rehabilitation of Mentis Bridge (B00093PW) along Puerto Princesa North Road, K0050+039	Brgy. Maruyugon, Puerto Princesa City	1,500,000.00	5,000,000.00	DPWH	DPWH	2022	P



POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

1	Major Repair/ Rehabilitation of Bridge Approaches – Tarabanan Bridge (B000102PW) along Puerto Princesa North Road, K0068+650	Brgy. Concepcion, Puerto Princesa City	3,000,000.00	10,000,000.00	DPWH	DPWH	2022	P
1	Major Repair/ Rehabilitation of Bridge Approaches – Tanabag Bridge 2 (B000304PW) along Puerto Princesa North Road, K0065+179	Brgy. Concepcion, Puerto Princesa City	2,250,000.00	7,500,000.00	DPWH	DPWH	2022	P
1	Dredging of Waterway along Tugbuan Bridge, Puerto Princesa North Road, K0077+173	Puerto Princesa City	1,500,000.00	5,000,000.00	DPWH	DPWH	2022	P
1	Dredging of Waterway along Tanabag Bridge A and Tanabag Bridge B, Puerto Princesa North Road, K0065+179	Brgy. Concepcion, Puerto Princesa City	1,500,000.00	5,000,000.00	DPWH	DPWH	2022	P
1	Major Repair/ Rehabilitation of Bridge Approaches – Binduyan Bridge (B000104PW) along Puerto Princesa North Road, K0072+934	Brgy. Binduyan, Puerto Princesa City	450,000.00	1,500,000.00	DPWH	DPWH	2022	P
1	Major Repair/ Rehabilitation of Bridge Approaches – Talabigan Bridge (B000105PW) along Puerto Princesa North Road, K0075+602	Brgy. Binduyan, Puerto Princesa City	900,000.00	3,000,000.00	DPWH	DPWH	2022	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

1	Major Repair/ Rehabilitation of Bridge Approaches – Olangan Bridge (B000103PW) along Puerto Princesa North Road, K0072+008	Brgy. Binduyan, Puerto Princesa City	450,000.00	1,500,000.00	DPWH	DPWH	2022	P
1	Construction of New Bridge – Tagburos Bridge 2 (4-Lane Width), Tagburos River, along Irawan-Tagburos Road	Sta. Lourdes, Puerto Princesa City	24,000,000.00	80,000,000.00	DPWH	DPWH	2023	P
1	Replacement of Bridge – Concepcion B00101PW (Road from 2 lanes to 4 lanes bridge), Along Puerto Princesa North	Concepcion, Puerto Princesa City	36,000,000.00	120,000,000.00	DPWH	DPWH	2023	P
<b>Provincial</b>								
2	Rehabilitation / Reconstruction of Taradungan Bridge	Roxas	15,000,000.00	50,000,000.00	NDRRM F/ PRIVAT E DONOR S/ NGAs	PEO	2022- 2025	P
<b>Municipal</b>								
3	Rehabilitation / Reconstruction of Sandoval Hanging Bridge	Roxas	5,000,000.00	30,000,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
3	Rehabilitation / Reconstruction of Rizal Hanging Bridge	Roxas	800,000.00	7,170,471.13	NDRRM F/ Private Donors	LGU	2022- 2025	P
3	Rehabilitation / Reconstruction of Caramay Hanging Bridge	Roxas	100,000.00	210,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
3	Rehabilitation / Reconstruction of Sto.Tomas Timber Bridge I in Sitio Pagkakaisa	Roxas	2,000,000.00	30,000,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
3	Rehabilitation / Reconstruction of Sto.Tomas	Roxas	2,000,000.00	30,000,000.00	NDRRM F/	LGU	2022- 2025	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

	Timber Bridge II in Sitio Bagong Silang				Private Donors			
3	Rehabilitation / Reconstruction of Sto.Tomas Timber Bridge III in Sitio Bagong Silang	Roxas	2,000,000.00	30,000,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
3	Rehabilitation / Reconstruction of Sto.Tomas Timber Bridge IV in Sitio Sagisag	Roxas	2,000,000.00	30,000,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
3	Rehabilitation/Reconstruction of Brgy. Balogo Bridge 1	Araceli	10,000,000.00	12,000,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
3	Rehabilitation/Reconstruction of Tagumpay RCDG Bridge 2	Dumaran	200,000.00	300,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
<b>Barangay</b>								
4	Rehabilitation/Reconstruction of Masikap Footbridge	Magara, Roxas	300,000.00	500,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
4	Rehabilitation/Reconstruction of Purok Ilang-Ilang Footbridge	Salvacion, Roxas	150,000.00	350,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
4	Rehabilitation/Reconstruction of Balugo Footbridge	San Miguel, Roxas	250,000.00	450,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
4	Rehabilitation/Reconstruction of Purok Taguray Timber Bridge	Jolo, Roxas	100,000.00	250,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
4	Rehabilitation/Reconstruction of Purok Taguray Hanging Bridge	Jolo, Roxas	150,000.00	350,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
4	Rehabilitation/Reconstruction of Sitio Buayan Timber Bridge	New Cuyo, Roxas	250,000.00	500,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
4	Rehabilitation/Reconstruction of Sitio Little Baguio Timber Bridge	Mendoza, Roxas	50,000.00	80,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P
4	Rehabilitation/Reconstruction of Sitio Taliwara Timber Bridge	Mendoza, Roxas	30,000.00	500,000.00	NDRRM F/ Private Donors	LGU	2022-2025	P

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

4	Rehabilitation/ Reconstruction of Sitio Durian Timber Bridge	Mendoza, Roxas	350,000.00	500,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Rehabilitation/ Reconstruction of Purok IV Timber Bridge	Tagumpay, Roxas	100,000.00	300,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Rehabilitation/ Reconstruction of Sitio Calawag Wooden Foot Bridge	Calawag, Taytay	30,000.00	39,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Rehabilitation/ Reconstruction of Macacaon Bridge (Wooden), Brgy. Calawag, Taytay	Calawag, Taytay	600,000.00	780,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Rehabilitation/ Reconstruction Malangao Bridge (Wooden), Brgy. Calawag, Taytay	Calawag, Taytay	200,000.00	260,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Rehabilitation/ Reconstruction of Balinatag Bridge (wooden), Brgy. Calawag, Taytay	Calawag, Taytay	400,000.00	520,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Rehabilitation/ Reconstruction of Foot Bridge	Mampio, Cagayancillo	250,000.00	454,320.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
4	Rehabilitation/ Reconstruction of Purok Masipag Foot Bridge	Brgy. Abaroan, Roxas	120,000.00	200,000.00	NDRRM F/ Private Donors	LGU	2022- 2025	P
<b>TOTAL</b>			<b>205,980,000.00</b>	<b>680,183,791.13</b>				

Table 36. Reconstruction and Recovery Needs for Ports

RECONSTRUCTION AND RECOVERY NEEDS FOR PORTS								
RANK	PRIORITY PROJECTS/ ACTIVITIES	LOCATION	AMOUNT (PHP)		PROPOSED FUNDING		TIMELINE	REMARKS
			REPORT OF DAMAGE	RECOMMENDED FUNDING	FUNDING SOURCE	IMPLEMENTING AGENCY		
1	Repair and Rehabilitation of Seawall and Port	Sta. Teresita, Dumarán	1,955,175.00	3,477,062.05	DOTr	PPA	2022	P
1	Repair/Rehabilitation of Municipal Feeder 2-Storey office Building, Port Access Road, Collection Booth, Ticketing Booth, Waiting Shed)	Roxas	10,750,000.00	28,900,000.00	DOTr	PPA	2022	P
1	Repair/Rehabilitation of Mini Wharf, Bgy Alcoba	Magsaysay	1,500,000.00	2,500,000.00	DOTr	PPA	2022	P
1	Repair/Rehabilitation of Funda Mini Wharf	Cuyo	800,000.00	1,000,000.00	DOTr	PPA	2022	P
1	Repair/Rehabilitation of New Colaylayan Pier 1	Linapacan	150,000.00	242,500.00	DOTr	PPA	2022	P
1	Repair/Rehabilitation of New Colaylayan Pier 2	Linapacan	300,000.00	482,500.00	DOTr	PPA	2022	P
1	Repair/Rehabilitation of Municipal Port,	Araceli	1,000,000.00	1,500,000.00	DOTr	PPA	2022	P
1	Repair/Rehabilitation of Docking Area,	Kalayaan	300,000.00	750,000.00	DOTr	PPA	2022	P
TOTAL			16,755,175.00	38,852,062.05				

### 2.3.2 FLOOD CONTROL SUB-SECTOR

#### OVERVIEW

Flood control structures are designed to protect coastal and river-bank areas, including urban and agricultural communities, homes, and other economically valuable

areas, and the people located within them. These structures are used to divert flows of water, by re-directing rivers, slowing natural changes in embankments and coastlines, or preventing inundation of vulnerable coastlines or flood plains.

Commonly it is constructed beside bridges, near seashore (seawalls) and at curved riverbanks near vast agriculture lands. Flood control consist of concrete revetments, gabion structure, riprap structure, stone masonry. Dikes, spurs, seawalls often act as first line of defense against overflowing rivers, floods and storm surges which are usually the after effects of typhoons.

## IMPACT

Damaged flood control structures are mostly washed-out and some are partially collapsed which was overflowed by the surging water on rivers intensified by continuous rain brought by Typhoon Odette. Collapsed and damaged structures resulted to the damage of nearby infrastructures like roads and bridges as well as crops of agricultural lands, properties, and livestock.

## DAMAGES, LOSSES, AND NEEDS ASSESSMENT

Damage costs PHP 20,764,500.00 on flood control and seawall structures. PHP 25,500.00 declared losses due to immediate and temporary repair on the affected structure. While, estimated cost for rehabilitation and improvement of flood controls and seawall structures is PHP 43,792,700.00.

**Table 37. Summary of Damages, Losses and Needs for Flood Control Sub-Sector**

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR FLOOD CONTROL					
NAME OF PROJECT			DAMAGE	LOSSES	NEEDS
MUNICIPALITY/ CITY	STRUCTURE				
NATIONAL					
1	Puerto Princesa City	Waterway	1,800,000.00	-	6,000,000.00
NATIONAL SUB-TOTAL			1,800,000.00		6,000,000.00
PROVINCIAL					
1	Rizal, Roxas	Seawall and Box Culvert	3,500,000.00	-	6,000,000.00
2	Sitio Balugo, Barangay San Miguel, Roxas	Box Culvert	350,000.00	-	1,200,000.00
3	Sitio Old Barrion, Barangay Sandoval, Roxas	Slope Protection	2,500,000.00	-	4,500,000.00
4	Barangay Taradungan, Roxas	Slope Protection along Taradungan River	3,500,000.00	-	6,000,000.00
5	Barangay II, Roxas	Seawall	2,500,000.00	-	10,000,000.00
6	Magara, Roxas	RCBC	350,000.00	-	1,200,000.00

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

7	Sitio Linapawan, Abaroan, Roxas	RCBC	350,000.00	10,000.00	1,000,000.00
8	Barangay III, Roxas	Box Culvert	60,000.00	-	300,000.00
9	Linapacan	Nangalao Sea wall	50,000.00	3,500.00	83,500.00
10	Linapacan	San Miguel Sea Wall	4,500.00	2,000.00	9,200.00
11	Araceli	Calandagan Rockcoastway	1,000,000.00	10,000.00	1,500,000.00
12	Cuyo	Cabigsing Breakwater	2,400,000.00	-	3,000,000.00
13	Cuyo	Manamoc Breakwater	2,400,000.00	-	3,000,000.00
<b>PROVINCIAL SUB-TOTAL</b>			<b>18,964,500.00</b>	<b>25,500.00</b>	<b>37,792,700.00</b>
<b>GRAND TOTAL</b>			<b>20,764,500.00</b>	<b>25,500.00</b>	<b>43,792,700.00</b>

**Table 38. Priority Ranking for Reconstruction and Recovery Needs for Flood Control**

PRIORITY RANKING FOR RECONSTRUCTION AND RECOVERY NEEDS FOR FLOOD CONTROL							
PROGRAMS/ PROJECTS		STATUS (C, O, PL, P)	CRITERIA			SCORE	RANK
			IMPORTANCE R x (Weight)1	IMPACT R x (Weight)2	CAPACITY R x (Weight)3		
NATIONAL							
1	Repair/ Rehabilitation of Mentis Waterway, Puerto Princesa North Road K0050+039, Brgy. Maruyugon, Puerto Princesa City	P	3x2	3x3	3x1	18	1
2	Repair/ Rehabilitation of Anilawan Waterway, Puerto Princesa North Road K0058+374, Brgy. Babuyan, Puerto Princesa City	P	3x2	3x3	3x1	18	1
PROVINCIAL							
1	Rehabilitation/ Reconstruction of Seawall and Box Culvert, Rizal, Roxas	P	3x2	3x3	3x1	18	1
2	Rehabilitation/ Reconstruction of Box Culvert, Sitio Balugo, Barangay San Miguel, Roxas	P	1x2	1x3	1x1	6	3
3	Rehabilitation/ Reconstruction of Slope Protection, Sitio Old Barrion, Barangay Sandoval, Roxas	P	2x2	2x3	2x1	12	2
4	Rehabilitation/ Reconstruction of Slope Protection along Taradungan River, Barangay Taradungan, Roxas	P	2x2	2x3	2x1	12	2
5	Rehabilitation/ Reconstruction of Seawall, Barangay II, Roxas	P	3x2	3x3	3x1	18	1
6	Rehabilitation/ Reconstruction of Reinforced Concrete Box Culvert, Magara, Roxas	P	1x2	1x3	1x1	6	3
7	Rehabilitation/ Reconstruction of Reinforced Concrete Box Culvert, Sitio Linapawan, Abaroan, Roxas	P	1x2	1x3	1x1	6	3
8	Rehabilitation/ Reconstruction of Box Culvert, Brgy III, Roxas	P	1x2	1x3	1x1	6	3
9	Rehabilitation/ Reconstruction of Nangalao Sea wall, Linapacan	P	3x2	3x3	3x1	18	1



10	Rehabilitation/ Reconstruction of San Miguel Sea Wall, Linapacan	P	3x2	3x3	3x1	18	1
11	Rehabilitation/ Reconstruction of Calandagan Rockcoastway, Araceli	P	3x2	3x3	3x1	18	1
12	Rehabilitation/ Reconstruction of Cabigsing Breakwater, Cuyo	P	3x2	3x3	3x1	18	1
13	Rehabilitation/ Reconstruction of Manamoc Breakwater, Cuyo	P	3x2	3x3	3x1	18	1

## POLICY AND PROGRAM RECOMMENDATION FOR FLOOD CONTROL SUB-SECTOR

- Department Order No. 42 Series 2021 of the Department of Public Works and Highways, "Standard Specifications for Public Works Structures (Buildings, Ports and Harbors, Flood Control and Drainage Structures and Water Systems) Volume III, 2019 can be used as basis of design for Proposed Flood Controls.
- DPWH has its standard Breakwater and Coastal Protection Structure Designs through its Department Order No. 100, Series 2020," New and Updated Plans for Various Flood Control and Coastal Structures" (CY2015-2019).

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR FLOOD CONTROL SUB-SECTOR

Table 39. Reconstruction and Recovery Needs for Flood Control

RECONSTRUCTION AND RECOVERY NEEDS FOR FLOOD CONTROL								
RANK	PRIORITY PROJECTS/ ACTIVITIES	LOCATION	AMOUNT (PHP)		PROPOSED FUNDING		TIMELINE	REMARKS
			REPORT OF DAMAGE	RECOMMENDED FUNDING	FUNDING SOURCE	IMPLEMENTING AGENCY		
NATIONAL								
1	Repair/ Rehabilitation of Mentis Waterway, Puerto Princesa North Road K0050+039	Brgy. Maruyugon, Puerto Princesa City	900,000.00	3,000,000.00	DPWH	DPWH	2022	P
1	Repair/ Rehabilitation of Anilawan Waterway, Puerto Princesa North Road K0058+374	Brgy. Babuyan, Puerto Princesa City	900,000.00	3,000,000.00	DPWH	DPWH	2022	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

PROVINCIAL								
1	Rehabilitation/ Reconstruction of Seawall and Box Culvert	Rizal, Roxas	3,500,000.00	6,000,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
1	Rehabilitation/ Reconstruction of Seawall	Barangay II, Roxas	2,500,000.00	10,000,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
1	Rehabilitation/ Reconstruction of Nangalao Sea wall	Linapacan	50,000.00	83,500.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
1	Rehabilitation/ Reconstruction of San Miguel Sea Wall	Linapacan	4,500.00	9,200.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
1	Rehabilitation/ Reconstruction of Calandagan Rockcoastway	Araceli	1,000,000.00	1,500,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
1	Rehabilitation/ Reconstruction of Cabigsing Breakwater	Cuyo	2,400,000.00	3,000,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
1	Rehabilitation/ Reconstruction of Manamoc Breakwater	Cuyo	2,400,000.00	3,000,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
2	Rehabilitation/ Reconstruction of Slope Protection, Sitio Old Barrion	Barangay Sandoval, Roxas	2,500,000.00	4,500,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
2	Rehabilitation/ Reconstruction of Slope Protection along Taradungan River	Barangay Taradungan, Roxas	3,500,000.00	6,000,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
3	Rehabilitation/ Reconstruction of Box Culvert, Sitio Balugo	Barangay San Miguel, Roxas	350,000.00	1,200,000.00	NDRRM/ PRIVATE DONORS	PPA	2022- 2025	P
3	Rehabilitation/ Reconstruction of Reinforced Concrete Box Culvert	Magara, Roxas	350,000.00	1,200,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
3	Rehabilitation/ Reconstruction of Reinforced Concrete Box Culvert	Sitio Linapawan, Abaroan, Roxas	350,000.00	1,000,000.00	NDRRMF / PRIVATE DONORS	MEO/ LGU	2022- 2025	P

3	Rehabilitation/ Reconstruction of Box Culvert	Barangay III, Roxas	60,000.00	300,000.00	NDRRM/ PRIVATE DONORS	MEO/ LGU	2022- 2025	P
<b>TOTAL</b>			<b>24,964,500.00</b>	<b>39,592,700.00</b>				

### 2.3.3 WATER SUB-SECTOR

#### OVERVIEW

When Typhoon Odette hit Palawan Province, water supply sector was greatly affected. Soil Collapse and toppled down trees were reported in the area causing and interruption in water supply in the said provinces due to damages on the pipelines and fittings and pumping station.

The Local Water Districts maintenance department were the first responders in the area and made necessary repair works to normalize and restore the supply of the area.

#### IMPACT

The water interruption in the area lasted for days before completely restoring the normal supply in the affected areas. It resulted to lacking of clean drinking water for the residents in some areas and some business establishments reported loss income like water refilling stations, hotels, restaurants and the like.

#### DAMAGES, LOSSES AND NEEDS ASSESSMENT

The cost of damage for the water sub--sector reached PHP 35,397,228.00 for the affected areas consisting of partially damaged pipelines, fittings and pumping stations and other water facility. The affected areas also incurred economic loss amounting to PHP 48,955, 280.03 due to forgone income. Required cost for rehabilitation and repairs amounted to PHP 51,673,265.92.

**Table 40. Summary of Damages, Losses and Needs for Water Sub-Sector**

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR WATER SECTOR					
NAME OF PROJECT			DAMAGE	LOSSES	NEEDS
MUNICIPALITY/ CITY	STRUCTURE				
PROVINCIAL					
1	Roxas	Roxas Water Works System	14,642,451.00	1,000,000.00	19,547,751.82
PROVINCIAL SUB-TOTAL			14,642,451.00	1,000,000.00	19,547,751.82
MUNICIPAL					
1	Dumaran	Dumaran Water Works System	1,878,500.00	-	2,210,000.00
2	Puerto Princesa City	City Water System	17,039,620.00	47,903,280.03	24,750,000.00

3	Taytay	Taytay Water Works System	238,000.00	-	280,000.00
4	Cagayancillo	Cagayancillo Water System	91,300.00	2,000.00	122,950.00
5	Kalayaan	Kalayaan Water System	40,000.00	-	50,000.00
6	Roxas	Purok Maunlad Potable Water System	150,000.00	50,000.00	3,000,000.00
7	San Vicente	Water System Facilities	1,317,357.00	-	1,700,259.60
<b>MUNICIPAL SUB-TOTAL</b>			<b>20,754,777.00</b>	<b>47,903, 280.03</b>	<b>32,125,514.10</b>
<b>GRAND TOTAL</b>			<b>35,397,228.00</b>	<b>48,955, 280.03</b>	<b>51,573,265.92</b>

**Table 41. Priority Ranking for Reconstruction and Recovery Needs for Water Sub-Sector**

PRIORITY RANKING FOR RECONSTRUCTION AND RECOVERY NEEDS FOR WATER SECTOR							
PROGRAMS/ PROJECTS		STATUS (C, O, PL, P)	CRITERIA			SCORE	RANK
			IMPORTANCE R x (Weight)2	IMPACT R x (Weight)3	CAPACITY R x (Weight)1		
PROVINCIAL WATER SYSTEM							
Repair/Rehabilitation of							
1	Malatabon River Water System- Solar Pumping System	P	3x2	3x3	3x1	18	1
2	Malatabon River Water System- Transmission Line	P	3x2	3x3	3x1	18	1
3	Malatabon River Water System- Dam and Intake System	P	3x2	3x3	3x1	18	1
4	Water Works Office	P	3x2	3x3	3x1	18	1
5	Malatabon River Water System- Steel Pole	P	3x2	3x3	3x1	18	1
6	Green Island Reverse Osmosis Water Station - RO Water Dispensing Station	P	3x2	3x3	3x1	18	1
MUNICIPAL WATER SYSTEM							
Repair/Rehabilitation of							
1	Bohol Water System - Fence, Solar Panel, Comfort Room	P	3x2	3x3	3x1	18	1
2	Calasag Water System - Solar Panel and Lightning Arrester, Controller for the Chlorinator System	P	3x2	3x3	3x1	18	1
3	Kayakan Water System - Fence, Roofing	P	3x2	3x3	3x1	18	1
4	Poblacion Water System - Lightning Arrester	P	3x2	3x3	3x1	18	1
5	San Juan Water System - Pipeline, Fence, Solar Panel, Lightning Arrester	P	3x2	3x3	3x1	18	1
6	Sto. Tomas Water System - Fence, And Lightning Arrester	P	3x2	3x3	3x1	18	1
7	New/Old New Guinlo Water System - Solar Panel	P	3x2	3x3	3x1	18	1
8	Bantulan Water System - Solar Panel	P	3x2	3x3	3x1	18	1
9	Water System Level II Sta. Cruz, Cagayancillo	P	2x2	3x3	1x1	14	4
10	Water System Level II Mampio, Cagayancillo	P	2x2	3x3	1x1	14	4
11	Rainwater Catchment (Kalahi Project) NUSA	P	3x2	3x3	1x1	16	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

12	Water Tank Collector Talaga	P	3x2	3x3	1x1	16	3
13	Purok Maunlad Potable Water System	P	3x2	3x3	2x1	17	2
14	Elevated Water Tank (Level III Water Supply System)	P	3x2	3x3	2x1	17	2
<b>Puerto Princesa City</b>							
15	Reconstruction of San Rafael Water System	P	3x2	3x3	3x1	18	1
16	Restoration of Dam and Infiltration Gallery and Pipeline Replacement	O	3x2	3x3	3x1	18	1
17	Restoration of sumptank, filter media and collector pipes at IG Irawan and Lapu-Lapu Temporary Source Weir	O	3x2	3x3	3x1	18	1
18	Repair and Restoration of Pipe Bridge Support at Brgy. Solomon, Brgy. Iwahig, Tagburos Bridge 1&2, Iratag Bridge, and Irawan River Crossing	C	2x2	2x3	2x1	12	5
19	Repair of Electro-Mechanical equipment/ facilities and Restoration of Filtration and Disinfection System at Montible, Lapu-Lapu Pump Center and IG Stations	O	2x2	2x3	2x1	12	5
20	Restoration of Campo Uno Water System Access Road	O	2x2	2x3	1x1	11	6
21	Procurement of Electro-Mechanical Facilities (Motor Control, Pumps, Turbidity Analyzers, Valves) at IG Irawan and Campo Uno Stations	P	2x2	2x3	1x1	11	6
22	Repair of Perimeter Fence, Chlorination House, Solar Panels, Electrical Lines and Retaining Walls	O	2x2	2x3	1x1	11	6
23	Repair and restoration of damaged structures/facilities at monitoring station at Urko Hill, Irawan	P	2x2	2x3	1x1	11	6
<b>San Vicente</b>							
24	Repair and Restoration of Block 6 River 1, River 2 and River 3 Pipelines and Transmission Lines	C	3x2	2x3	3x1	18	1
25	Repair and Restoration of Little Baguio River (to Poblacion) Transmission Lines & Water Treatment Plant	P	3x2	2x3	3x1	18	1
26	Repair and Restoration of Little Baguio River (to New Agutaya & San Isidro) Diversion Weir and Guard House	C	2x2	2x3	3x1	13	2
27	Repair and Restoration of Cauban River, New Tiu River, Ipanganan River, Caruray River, Gawid River, Itabiak River, Miangay River and Bunuangin River Water System (Diversion Weir, Transmission Lines, Bypass Pipe, WTP)	C	3x2	3x3	3x1	18	1
28	Repair and Restoration of Bunuangin River Water System Guard House	P	1x2	1x3	3x1	8	3
29	Repair and Restoration of Water Meters of Brgy. Port Barton and Brgy. Caruray	P	2x2	2x3	3x1	13	2
30	Repair and Restoration of Service Lines/ Main Lines/ Water Meters/ Standpipes in Brgy. New Agutaya, So. Panindigan, Brgy. Poblacion, Brgy. New Agutaya, Brgy. Alimanguan, Sto. Niño, Brgy. Binga, Bgy. New Agutaya, Brgy. Caruray	C	3x2	3x3	3x1	18	1
31	Construction of 2 units Deep Well Project (2021)	P	3x2	3x3	3x1	18	1
30	Repair and Restoration of Service Lines/ Main Lines/ Water Meters/ Standpipes in Brgy. New Agutaya, So. Panindigan, Brgy. Poblacion, Brgy. New Agutaya, Brgy. Alimanguan, Sto. Niño, Brgy. Binga, Bgy. New Agutaya, Brgy. Caruray	C	3x2	3x3	3x1	18	1
31	Construction of 2 units Deep Well Project (2021)	P	3x2	3x3	3x1	18	1

**POLICY AND PROGRAM RECOMMENDATION FOR WATER SUB-SECTOR**

- Maintain strong coordination and partnership with LDDRM Council in the city, especially in terms of calamity.
- Strengthen PPCWD Committee on DRRM by providing capacity building trainings and workshops.
- Implementation and continuous review of PPCWD Public Service Continuity Plan
- Ensure availability of important materials needed for water supply restoration and maintenance response.
- Ensure availability of funds to be used for purchasing of emergency logistical needs.

**RECONSTRUCTION AND RECOVERY FRAMEWORK FOR WATER SUB-SECTOR****Table 42. Reconstruction and Recovery Needs for Water Sub-Sector**

RECONSTRUCTION AND RECOVERY NEEDS FOR WATER SUB-SECTOR								
RANK	PRIORITY PROJECTS/ ACTIVITIES	LOCATION	AMOUNT (PHP)		PROPOSED FUNDING		TIMELINE	REMARKS
			REPORT OF DAMAGE	RECOMMENDED FUNDING	FUNDING SOURCE	IMPLEMENTING AGENCY		
Provincial Water Supply System: Repair/Rehabilitation of								
1	Malatabon River Water System-Solar Pumping System	Roxas, Palawan	14,570,201.00	19,462,751.82	INSURANCE	Provincial Government of Palawan	2022	P
1	Malatabon River Water System-Transmission Line	Roxas, Palawan					2022	P
1	Malatabon River Water System-Dam and Intake System	Roxas, Palawan					2022	P
1	Water Works Office	Roxas, Palawan					2022	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

1	Malatabon River Water System-Steel Pole	Roxas, Palawan					2022	P
1	Green Island Reverse Osmosis Water Station – RO Water Dispensing Station	Roxas, Palawan	72,250.00	85,000.00	INSURANCE	PGP	2022	P
<b>Municipal Water Supply System: Repair/Rehabilitation of</b>								
1	Bohol Water System – Fence, Solar Panel, Comfort Room	Dumaran, Palawan	323,000.00	380,000.00	NDRRMF	LGU	2022	P
1	Calasag Water System – Solar Panel and Lightning Arrester, Controller for the Chlorinator System	Dumaran, Palawan	297,500.00	350,000.00	NDRRMF	LGU	2022	P
1	Kayakan Water System – Fence, Roofing	Dumaran, Palawan	323,000.00	380,000.00	NDRRMF	LGU	2022	P
1	Poblacion Water System – Lightning Arrester	Dumaran, Palawan	340,000.00	400,000.00	NDRRMF	LGU	2022	P
1	San Juan Water System – Pipeline, Fence, Solar Panel, Lightning Arrester	Dumaran, Palawan	297,500.00	350,000.00	NDRRMF	LGU	2022	P
1	Sto. Tomas Water System – Fence, And Lightning Arrester	Dumaran, Palawan	297,500.00	350,000.00	NDRRMF	LGU	2022	P
1	New/Old New Guinlo Water System – Solar Panel	Taytay, Palawan	142,800.00	168,000.00	NDRRMF	LGU	2022	P
1	Bantulan Water System – Solar Panel	Taytay, Palawan	95,200.00	112,000.00	NDRRMF	LGU	2022	P



POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

1	Reconstruction of San Rafael Water System	Brgy. San Rafael, Palawan	5,583,000.00	7,000,000.00	COB	PPCWD	2022	P
1	Restoration of Dam and Infiltration Gallery and Pipeline Replacement	Brgy. Bahile and Brgy. Binduyan, Palawan	1,630,500.00	2,250,000.00	COB	PPCWD	2022	P
1	Restoration of sumptank, filter media and collector pipes at IG Irawan and Lapu-Lapu Temporary Source Weir	Brgy. Irawan and Lapu-lapu, Palawan	1,600,000.00	2,100,000.00	COB	PPCWD	2022	P
1	Repair and Restoration of Block 6 River 1, River 2 and River 3 Pipelines and Transmission Lines	So. Little Baguio, Brgy. New Agutaya	59,400.00	77,220.00	LGU	LGU	2022	C
1	Repair and Restoration of Little Baguio River (to Poblacion) Transmission Lines & Water Treatment Plant	So. Little Baguio, Brgy. New Agutaya	490,250.00	637,325.00	NDRRMF	LGU	2022	P
1	Repair and Restoration of Cauban River, New Tiu River, Ipanganan River, Caruray River, Gawid River, Itabiak River, Miangay River and Bunuangin River Water System (Diversion Weir, Transmission Lines, Bypass Pipe, WTP)	Bgy. Binga , Brgy. New Canipo, Brgy. Alimanguan , Brgy. Caruray, Brgy. New Agutaya, Brgy. Kemdeng, Brgy. Port Barton	122,992.00	159,889.60	LGU	LGU	2022	C

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021

1 1	Repair and Restoration of Service Lines/ Main Lines/ Water Meters/ Standpipes in Brgy. New Agutaya, So. Panindigan, Brgy. Poblacion, Brgy. New Agutaya, Brgy. Alimanguan, Sto. Niño, Brgy. Binga, Bgy. New Agutaya, Brgy. Caruray	Brgy. New Agutaya, So. Panindigan, Brgy. Poblacion, Brgy. New Agutaya, Brgy. Alimanguan, Sto. Niño, Brgy. Binga, Bgy. New Agutaya, Brgy. Caruray	163,200.00	212,160.00	LGU	LGU	2022	C
1	Construction of 2 units Deep Well Project (2021)	So. Casoyan, Bgy. Poblacion	5,015.00	6,519.50	NDRRMF			P
2	Purok Maunlad Potable Water System	Brgy. Abaroan, Roxas, Palawa	150,000.00	3,000,000.00	NDRRMF	MEO	2022	P
2	Elevated Water Tank (Level III Water Supply System)	Kalayaan, Palawan	40,000.00	50,000.00	NDRRMF	MEO	2022	P
2	Repair and Restoration of Little Baguio River (to New Agutaya & San Isidro) Diversion Weir and Guard House	So. Little Baguio, Bgy. New Agutaya	390,500.00	507,650.00	LGU	LGU	2022	C
2	Repair and Restoration of Water Meters of Brgy. Port Barton and Brgy. Caruray	Brgy. Port Barton and Brgy. Caruray	36,000.00	46,800.00	NDRRMF	LGU	2022	P
3	Rainwater Catchment (Kalahi Project) NUSA	Nusa, Cagayancillo, Palawan	57,000.00	75,250.00	NDRRMF	MEO	2022	P
3	Water Tank Collector Talaga	Talaga, Cagayancillo, Palawan	20,000	30,000	NDRRMF	MEO	2022	P

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

3	Repair and Restoration of Bunuangin River Water System Guard House	Brgy. Port Barton	50,000.00	65,000.00	NDRRMF	LGU	2022	P
4	Water System Level II Sta. Cruz, Cagayancillo	Sta. Cruz, Cagayancillo, Palawan	7,000.00	7,720.00	NDRRMF	MEO	2022	P
4	Water System Level II Mampio, Cagayancillo	Mampio, Cagayancillo, Palawan	7,300.00	9,980.00	NDRRMF	MEO	2022	P
5	Repair and Restoration of Pipe Bridge Support at Brgy. Solomon, Brgy. Iwahig, Tagburos Bridge 1&2, Iratag Bridge, and Irawan River Crossing	Brgy. Solomon, Brgy. Iwahig, Brgy. Iratag, Palawan	1,599,220.00	3,000,000.00	COB	PPCWD	2022	P
5	Repair of Electro-Mechanical equipment/ facilities and Restoration of Filtration and Disinfection System at Montible, Lapu-Lapu Pump Center and IG Stations	Brgy. Montible, Brgy. Lapu-Lapu, Palawan	3,026,000.00	4,500,000.00	COB	PPCWD	2022	P
6	Restoratoion of Campo Uno Water System Access Road	Campo Uno, Irawan	400,000.00	500,000.00	COB	PPCWD	2022	P
6	Procurement of Electro-Mechanical Facilities (Motor Control, Pumps, Turbidity Analyzers, Valves) at IG Irawan and Campo Uno Stations	Brgy. Irawan and Campo Uno, Palawan	2,281,900.00	4,000,000.00	COB	PPCWD	2022	P

6	Repair of Perimeter Fence, Chlorination House, Solar Panels, Electrical Lines and Retaining Walls	Brgy. Campo Uno, Bahile and Lucbuan, Palawan	719,000.00	1,100,000.00	COB	PPCWD	2022	P
6	Repair and restoration of damaged structures/facilities at monitoring station at Urko Hill, Irawan	Urko Hill, Irawan, Palawan	200,000.00	300,000.00	COB	PPCWD	2022	P
<b>TOTAL</b>			<b>35,397,228.00</b>	<b>51,673,265.92</b>				

### 2.3.4 POWER SUB-SECTOR

#### OVERVIEW

Typhoon Odette, hits Palawan province causing damage on public infrastructures like roads, bridges, buildings, electric poles and distribution lines located in the different parts of the said provinces. Palawan Electric Cooperative (PALECO) which is the local electric cooperative in the province was attentively providing immediate solutions to restore electric supply right after the calamity exits their provinces.

#### IMPACT

The said typhoon caused a massive power outage due to strong winds which toppled down distribution lines electric poles with transformer. In some areas, power shutdown/outage were experience for a couple of days in the affected areas. Badly hit is the Northern part of Palawan especially the Municipality of Roxas as well as the City of Puerto Princesa wherein bulk of facilities are located.

Palawan Electric Cooperative (PALECO) immediately responded in the rehabilitation of the broken-down distribution lines, poles and transformers in the affected areas due to the typhoon. They also coordinated with the RDRRMC to assess the problem and start the rehabilitation prior to their submission of the rehabilitation needs to the National Electrification Administration.

#### DAMAGES, LOSSES AND NEEDS ASSESSMENT

The cost of damage to power sector majority of which are from the distribution lines reached PHP 57,266,405.89 consisting of broken and leaning poles, cut off distribution lines, defective transformers, meters and service drops in distribution lines.

Economic loss amounted to PHP 39,764,228.35 resulting from the damages that the distribution line. The total reconstruction and recovery needs for Power sub-sector sum up to PHP 115,642,994.87.

Table 43. Summary of Damages, Losses and Needs for Power Sub-Sector

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR POWER SUB-SECTOR					
NAME OF PROJECT			DAMAGE	LOSSES	NEEDS
MUNICIPALITY	STRUCTURE				
Repair/Rehabilitation of					
1	Puerto Princesa City	Distribution Line	52,264,290.07	10,871,290.83	83,718,788.25
2	Narra	Distribution Line	-	130,047.52	-
3	Roxas	Distribution Line	726,585.75	4,331,410.82	5,240,461.80
4	Aborlan	Distribution Line	-	72,983.75	-
5	Quezon	Distribution Line	-	59,851.43	-
6	San Vicente	Distribution Line	1,069,192.68	1,848,500.22	5,193,206.37
7	Taytay/ Dumarán	Distribution Line	818,043.91	5,758,087.40	3,973,617.01
8	El Nido	Distribution Line	566,148.08	5,331,907.04	-
9	Araceli	Distribution Line	192,622.64	941,993.15	873,193.14
10	Agutaya	Distribution Line	903,163.52	4,098,259.95	-
11	Cagayancillo	Distribution Line	726,359.25	3,677,685.55	-
12	Cuyo/ Magsaysay	Distribution Line	-	2,642,210.69	-
Sub-Total			57,266,405.90	39,764,228.35	98,999,266.57
Storm Guying Activity					
1	Puerto Princesa City		-	-	8,468,961.57
2	Roxas		-	-	1,479,040.66
3	San Vicente		-	-	1,202,104.48
4	Taytay/ Dumarán		-	-	2,243,957.68
5	El Nido		-	-	868,203.45
6	Araceli		-	-	300,566.54
7	Agutaya		-	-	908,310.90
8	Cagayancillo		-	-	919,070.55
9	Cuyo/ Magsaysay		-	-	253,512.47
Sub-Total			-	-	16,643,728.30
GRAND TOTAL			57,266,405.90	39,764,228.35	115,642,994.87

Table 44. Priority Ranking for Reconstruction and Recovery Needs for Power Sub-Sector

PRIORITY RANKING FOR RECONSTRUCTION AND RECOVERY NEEDS FOR POWER SUB-SECTOR							
PROGRAMS/ PROJECTS		STATUS (C, O, PL, P)	CRITERIA			SCORE	RANK
			IMPORTANCE R x (Weight)2	IMPACT R x (Weight)3	CAPACITY R x (Weight)1		
1	Repair/Rehabilitation of Distribution Line at Puerto Princesa City	O	3x2	3x3	3x1	18	1

2	Repair/Rehabilitation of Distribution Line at Roxas	O	3x2	3x3	3x1	18	1
3	Repair/Rehabilitation of Distribution Line at San Vicente	O	3x2	3x3	3x1	18	1
4	Repair/Rehabilitation of Distribution Line at Taytay/ Dumarán	O	3x2	3x3	3x1	18	1
5	Repair/Rehabilitation of Distribution Line at Araceli	O	3x2	3x3	3x1	18	1
6	Storm Guying Activity at Puerto Princesa City	P	3x2	2X3	2X1	14	2
7	Storm Guying Activity at Roxas	P	3x2	2X3	2X1	14	2
8	Storm Guying Activity at San Vicente	P	3x2	2X3	2X1	14	2
9	Storm Guying Activity at Taytay/ Dumarán	P	3x2	2X3	2X1	14	2
10	Storm Guying Activity at El Nido	P	3x2	2X3	2X1	14	2
11	Storm Guying Activity at Araceli	P	3x2	2X3	2X1	14	2
12	Storm Guying Activity at Agutaya	P	3x2	2X3	2X1	14	2
13	Cagayancillo	P	3x2	2X3	2X1	14	2
14	Storm Guying Activity at Cuyo/ Magsaysay	P	3x2	2X3	2X1	14	2

## POLICY AND PROGRAM RECOMMENDATION FOR THE POWER SUB-SECTOR

- Pruning and clearing of trees near distribution line should strictly implemented to prevent power outages.
- To upgrade wooden electrical poles to steel poles to extend the life of poles.
- Strengthen the relationship between other electric cooperatives.
- Reinforcement of electric poles by installation of concrete foundation/footing and installation of additional down guy or typhoon guy.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR POWER SUB-SECTOR

Table 45. Priority Ranking for Reconstruction and Recovery Needs for Power Sub-Sector

RECONSTRUCTION AND RECOVERY NEEDS FOR POWER SECTOR								
RANK	PRIORITY PROJECTS/ ACTIVITIES	LOCATION	AMOUNT (PHP)		PROPOSED FUNDING		TIMELINE	REMARKS
			REPORT OF DAMAGE	RECOMMENDED FUNDING	FUNDING SOURCE	IMPLEMENTING AGENCY		
1	Repair/ Rehabilitatio n of Distribution Lines at	Puerto Princesa City	52,264,290.07	83,718,788.25	NEA	PALECO	2022	O
		Roxas	726,585.75	5,240,461.80	NEA	PALECO	2022	O
		San Vicente	1,069,192.68	5,193,206.37	NEA	PALECO	2022	O
		Taytay/ Dumaran	818,043.91	3,973,617.01	NEA	PALECO	2022	O
		Araceli	192,622.64	873,193.14	NEA	PALECO	2022	O
2	Storm Guying Activity	Puerto Princesa City	-	8,468,961.57	NEA	PALECO	2022- 2023	P
		Roxas	-	1,479,040.66	NEA	PALECO	2022- 2023	P
		San Vicente	-	1,202,104.48	NEA	PALECO	2022- 2023	P
		Taytay/ Dumaran	-	2,243,957.68	NEA	PALECO	2022- 2023	P
		El Nido	-	868,203.45	NEA	PALECO	2022- 2023	P
		Araceli	-	300,566.54	NEA	PALECO	2022- 2023	P
		Agutaya	-	908,310.90	NEA	PALECO	2022- 2023	P
		Cagayancillo	-	919,070.55	NEA	PALECO	2022- 2023	P
		Cuyo/ Magsaysay	-	253,512.47	NEA	PALECO	2022- 2023	P
TOTAL			57,266,405.90	115,642,994.87				

### 2.3.5 IRRIGATION SUB-SECTOR

#### OVERVIEW

When Typhoon Odette hit Palawan on December 17, 2021, infrastructure sector was greatly affected. Landslide, toppled down trees and flash flood were reported in the area causing some major and minor damages of the irrigation facilities.



The technical staff of Palawan IMO made necessary inspection and evaluation of the damages particularly on irrigation facilities that may affect the production of the irrigators.

## IMPACT

The onslaught of the typhoon leaves the province with major and minor damages on the irrigation facilities across the province. Major impact on the standing crops of the farmers particularly on Ibato-Iraan SRIP, Batang-Batang RIS, Talog SIP, Calawag CIS and Lucbuan CIS (maranreg area).

## DAMAGES, LOSSES AND NEEDS ASSESSMENT

The cost of damage for irrigation facilities reached PHP 28,225,682.76 for major and minor damages of irrigation canals, brush dam and HDPE Pipes. The Sector Needs PHP 35,161,738.79 for the Reconstruction of the damaged facilities and structure. The Batang-Batang RIS incurred economic loss due to forgone income and for the cost of repairs amounting to PHP 120,000.00.

**Table 46. Summary of Damages, Losses and Needs for Irrigation Sub-Sector**

SUMMARY OF DAMAGES, LOSSES AND NEEDS FOR IRRIGATION SUB-SECTOR					
NAME OF PROJECT			DAMAGE	LOSSES	NEEDS
MUNICIPALITY		STRUCTURE			
1	Aborlan, Palawan	Ibato-Iraan SRIP	16,694,991.03	-	20,868,738.79
2	Narra, Palawan	Batang-Batang RIS	10,000,000.00	120,000.00	12,500,000.00
3	Taytay, Palawan	Talog SIP	350,000.00	-	437,500.00
4	Taytay, Palawan	Libertad SIP	300,000.00	-	375,000.00
5	Puerto Princesa City	Lucbuan CIS (Maranreg)	573,700.00	-	625,000.00
6	Taytay, Palawan	Calawag SIP	306,991.73	-	355,400.00
GRAND TOTAL			28,225,682.76	120,000.00	35,161,738.79

**Table 47. Priority Ranking for Reconstruction and Recovery Needs for Irrigation Sub-Sector**

PRIORITY RANKING FOR RECONSTRUCTION AND RECOVERY NEEDS FOR IRRIGATION SUB-SECTOR						
PROGRAMS/ PROJECTS	STATUS (C, O, PL, P)	CRITERIA			SCORE	RANK
		IMPORTANCE R x (Weight)2	IMPACT R x (Weight)3	CAPACITY R x (Weight)1		

1	Repair of 50m barrel structure and Construction of elevated flume column of Ibato-Iraan SRIP, Aborlan, Palawan	P	3x2	3x3	3x1	18	1
2	Construction of permanent structures of Batang-Batang RIS, Narra, Palawan	P	3x2	3x3	3x1	18	1
3	Repair of elevated flume and HDPE Pipe connection of Lucbuan CIS (maranreg), Taytay, Palawan	P	3x2	3x3	3x1	18	1
4	Repair of 30m barrel structure of Calawag SIP, Taytay, Palawan	P	3x2	3x3	3x1	18	1
5	Repair of 30m elevated flume of Talog SIP, Puerto Princesa City	P	2x2	2x3	2x1	12	2
6	Construction of 24" dia. RC Pipes of Libertad SIP, Taytay, Palawan	P	2x2	2x3	1x1	11	3

## POLICY AND PROGRAM RECOMMENDATION FOR IRRIGATION SUB-SECTOR

- To attain farmer's satisfaction
- To ensure efficient and effective operation and maintenance of irrigation system
- To increase irrigated area.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR IRRIGATION SUB-SECTOR

Table 48. Reconstruction and Recovery Needs for Irrigation Sub-Sector

RECONSTRUCTION AND RECOVERY NEEDS FOR IRRIGATION SUB-SECTOR								
RANK	PRIORITY PROJECTS/ ACTIVITIES	LOCATION	AMOUNT (PHP)		PROPOSED FUNDING		TIMELINE	REMARKS
			REPORT OF DAMAGE	RECOMMENDED FUNDING	FUNDING SOURCE	IMPLEMENTING AGENCY		
1	Repair of 50m barrel structure & Construction of elevated flume column of Ibato-Iraan SRIP	Aborlan, Palawan	16,694,991.03	20,868,738.79	QRF/ NDRRMC	NIA-Palawan IMO	20 22	
1	For construction of permanent structures of Batang-Batang RIS	Narra, Palawan	10,000,000.00	12,500,000.00	QRF/ NDRRMC	NIA-Palawan IMO	20 22	
1	Repair of elevated flume and HDPE Pipe connection of	Taytay, Palawan	573,700.00	625,000.00	QRF/ NDRRMC	NIA-Palawan IMO	20 22	

	Lucbuan CIS (maranreg)							
2	Repair of 30m barrel structure of Calawag SIP	Taytay, Palawan	306,991.73	355,500.00	QRF/ NDRRMC	NIA-Palawan IMO	2022	
	Repair of 30m elevated flume of Talog SIP	Puerto Princesa City	350,000.00	437,500.00	QRF/ NDRRMC	NIA-Palawan IMO	2022	
3	Construction of 24" dia. RC Pipes of Libertad SIP	Taytay, Palawan	300,000.00	375,000.00	QRF/ NDRRMC	NIA-Palawan IMO	2022	
<b>TOTAL</b>			<b>28,225,682.76</b>	<b>35,161,738.79</b>				

### 2.3.6 TELECOMMUNICATIONS SUB-SECTOR

#### OVERVIEW

Typhoon Odette leaves the Province of Palawan days of communication shutdown. Municipality of Roxas restored their communication after a day of the onslaught. Puerto Princesa City restored their communication 5 days after.

Per DICT report, the Province of Palawan currently operates 100% functional on all communication. No gathered data on damages, losses and needs costs for this sub-sector.

## 2.4 HUMAN RECOVERY NEEDS ASSESSMENT AND CROSS-SECTORAL CONCERNS

### 2.4.1 GOVERNANCE AND DRRM SUB-SECTOR

#### OVERVIEW

Governance is the mechanisms, processes and institutions by which a government manages its area of jurisdiction. It includes the delivery of basic services, the promotion of general welfare, the protection of rights and the preservation of lives and properties of the constituents. It cuts across various sectors such as social, environmental, economic, administration and accountability.

The national and local government are key players in the effective implementation of disaster risk mitigation program as well as recovery and reconstruction projects brought about by natural disasters. During the last quarter of 2021, the Province of Palawan and Puerto Princesa City has been heavily affected by Typhoon Odette, leaving significant damages on government facilities that serve as vital infrastructure not only in the midst of disaster but also during this time of pandemic.

The governance sector suffered physical damages totaling PHP 188,531,206.75. The impact, examined in this sector, will concentrate on government infrastructure damages. This section covers the costs spent by local government units and other agencies to clear damaged areas such as roads and facilities.

#### IMPACT

Damages on government facilities laid additional burden to local government units as they continuously fight and mitigate the current pandemic, the LGU must also go through the recovery process of government infrastructure that are indispensable in providing effective and efficient government services to the public.

The Local disaster risk reduction and management councils (P/C/MDRRMCs) were operational as they were able to undertake pre-disaster risk analysis (PDRA) and implement mitigation measures such as information dissemination on the impending hazard and pre-emptive evacuation. The LDRRMCs promptly regrouped and underwent a rapid damage analysis and needs assessment (RDANA) immediately after the onslaught of Typhoon Odette.

For days, the loss of electricity, communications, blocked roads, and damaged highways and bridges hampered the timely submission of reports of the P/CDRRMCs to the regional level. Further, cancelled flights and unavailability of military air assets prevented the national and regional counter-parts to immediately provide response operations in Palawan.

## DAMAGES, LOSSES AND NEEDS

The impact of Typhoon Odette to government infrastructures in the Province of Palawan and Puerto Princesa City has an estimated damage worth PHP 188,531,206.75 and losses worth PHP 5,350,502.30.

The Provinces of Palawan was the most affected with an estimated damages of PHP 166,545,846.13 which is 88% of the total damage in the region.

**Table 49. Summary of Damages, Loses and Needs Assessment in Government Facilities**

LGU		Damages (in PHP)	Losses (in PHP)	Needs (in PHP)
<b>Province of Palawan</b>		<b>166,545,846.13</b>	<b>2,730,841.44</b>	<b>390,438,782.94</b>
1	Aborlan	200,000.00	0.00	1,000,000.00
2	Araceli	29,500,000.00	410,000.00	44,700,000.00
3	Cagayancillo	5,557,670.33	188,588.00	5,815,848.80
4	Cuyo	3,392,000.00	0.00	5,115,000.00
5	Dumaran	4,854,081.80	98,607.50	10,042,098.92
6	Kalayaan	12,300,000.00	0.00	41,450,000.00
7	Linapacan	73,000.00	11,000.00	127,800.00
8	Magsaysay	12,500,000.00	0.00	18,000,000.00
9	Roxas	82,280,000.00	1,245,000.00	235,552,942.66
10	San Vicente	10,956,994.00	777,645.94	22,031,492.56
11	Taytay	4,932,100.00	0.00	6,603,600.00
<b>Puerto Princesa City</b>		<b>21,985,360.62</b>	<b>2,619,660.86</b>	<b>62,396,633.30</b>
1	Puerto Princesa City	21,985,360.62	2,619,660.86	62,396,633.30
<b>TOTAL</b>		<b>188,531,206.75</b>	<b>5,350,502.30</b>	<b>452,835,416.24</b>

The total estimated needs for recovery and reconstruction in the government sub-sector is pegged at PHP 452,835,416.24. The province of Palawan recorded the largest amount of estimated needs worth PHP 390,438,782.94.

**Table 50. Priority ranking of projects, programs, and activities for reconstruction and recovery in governance and DRRM Sub-sector**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Reconstruction Needs of Palawan						
Municipality of Aborlan						
Repair of Covered Court (Culandanum)	P	3x2	3x3	2x1	17	1
Municipality of Araceli						

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Old Municipal Hall	P	3x2	3x3	2x1	17	1
Repair of Municipal Stage	P	3x2	3x3	2x1	17	1
Repair of Barangay Stage	P	3x2	3x3	2x1	17	1
Repair of New Municipal Hall Bldg.	P	3x2	3x3	2x1	17	1
Repair of Barangay Hall	P	3x2	3x3	2x1	17	1
Repair of Barangay Hall	P	3x2	3x3	2x1	17	1
Repair of Barangay Stage	P	3x2	3x3	2x1	17	1
Repair of Barangay Hall	P	3x2	3x3	2x1	17	1
Repair of Barangay Stage	P	3x2	3x3	2x1	17	1
Repair of Evacuation center	P	3x2	3x3	2x1	17	1
Repair of Senior citizen center	P	3x2	3x3	2x1	17	1
Repair of Covered Gymnasium	P	3x2	3x3	1x1	16	2
Repair of Public market	P	3x2	3x3	1x1	16	2
Repair of Port Passenger Terminal	P	3x2	3x3	1x1	16	2
Repair of Daycare center purok-3	P	3x2	3x3	1x1	16	2
Repair of Daycare center purok-1	P	3x2	3x3	1x1	16	2
Repair of Daycare center purok-2	P	3x2	3x3	1x1	16	2
Repair of Barangay Hall	P	3x2	3x3	1x1	16	2
Repair of Barangay Isolation	P	3x2	3x3	1x1	16	2
Repair of Women Crisis Center DSWD	P	3x2	3x3	1x1	16	2
Repair of Covered Gymnasium DPWH	P	3x2	3x3	1x1	16	2
Repair of Motorpool	P	3x2	3x3	1x1	16	2
Repair of Daycare center	P	3x2	3x3	1x1	16	2
Repair of Barangay Hall	P	3x2	3x3	1x1	16	2
Repair of Barangay Isolation	P	3x2	3x3	1x1	16	2

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Daycare Center	P	3x2	3x3	1x1	16	2
Repair of Daycare center	P	3x2	3x3	1x1	16	2
Repair of Barangay Market	P	3x2	3x3	1x1	16	2
Repair of Daycare center	P	3x2	3x3	1x1	16	2
Repair of Mechanical,Solar Drier Bldg.	P	3x2	3x3	1x1	16	2
Repair of Daycare center purok-1	P	3x2	3x3	1x1	16	2
Repair of Barangay Hall	P	3x2	3x3	1x1	16	2
Repair of Multi purpose Bldg.	P	3x2	3x3	1x1	16	2
Repair of Daycare center	P	3x2	3x3	1x1	16	2
Repair of Barangay Stage	P	3x2	3x3	1x1	16	2
Repair of Senior citizen center	P	3x2	3x3	1x1	16	2
Repair of Covered Gymnasium	P	3x2	3x3	1x1	16	2
Repair of Barangay Hall	P	3x2	3x3	1x1	16	2
Repair of Mechanical,Solar Drier Bldg.	P	3x2	3x3	1x1	16	2
Repair of Multi purpose Bldg.	P	3x2	3x3	1x1	16	2
Repair of Barangay Hall	P	3x2	3x3	1x1	16	2
Repair of Daycare center	P	3x2	3x3	1x1	16	2
Repair of Barangay Hall	P	3x2	3x3	1x1	16	2
Repair of Evacuation Center	P	3x2	3x3	1x1	16	2
Repair of Multi purpose Bldg.	P	3x2	3x3	1x1	16	2
Repair of Barangay Hall	P	3x2	3x3	1x1	16	2
Repair of Daycare center	P	3x2	3x3	1x1	16	2
Repair of Passenger Terminal Port	P	3x2	3x3	1x1	16	2
Repair of Bemonc Building	P	3x2	3x3	1x1	16	2
Repair of Rockcoastway	P	3x2	3x3	1x1	16	2



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Municipality of Cagayancillo						
Construction of Covered Court/evacuation Center Brgy. Talaga	P	3x2	3x3	1x1	16	1
Construction of Covered Court/evacuation Center Brgy. Sta. Cruz	P	3x2	3x3	1x1	16	1
Reapair Municipal Building New	P	3x2	3x3	1x1	16	1
Repair of Brgy Hall Lipot North	P	3x2	3x3	1x1	16	1
Repair of Brgy Hall Nusa	O	3x2	3x3	1x1	16	1
Repair of Legislative Building	O	3x2	3x3	1x1	16	1
Repair of Brgy Hall Lipot South	O	3x2	3x3	1x1	16	1
Repair of Multi Purpose Building Lipot South	P	3x2	3x3	1x1	16	1
Repair of Nusa Chapel	P	3x2	3x3	1x1	16	1
Mampio Chapel	P	3x2	3x3	1x1	16	1
Repair of Magsaysay Chapel	P	3x2	3x3	1x1	16	1
Repair of Municipal Building Old	O	3x2	3x3	1x1	16	1
Repair of Brgy. Hall Bantayan	P	2x2	3x3	1x1	14	2
Stage Lipot South	P	2x2	3x3	1x1	14	2
Repair of Waiting Shed Nusa	P	1x2	3x3	1x1	12	3
Repair of Stage Calsada	P	1x2	3x3	1x1	12	3
Repair of Daycare Center Lipot North	P	1x2	3x3	1x1	12	3
Mampio Stage	P	1x2	3x3	1x1	12	3
Municipality of Cuyo						
Repair Of Cuyo Covered Gym	P	3x2	3x3	3x1	18	1
Reconstruction Of Comelec Building	P	3x2	3x3	3x1	18	1
Repair Concrete Fence, Gym	P	2x2	3x3	3x1	14	2
Reconstruction Of Catadman Multi Purpose	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Reconstruction Lubid Barangay Hall	P	3x2	3x3	3x1	18	1
Repair Of Lubid Community Stage	P	2x2	2x3	3x1	13	3
Repair Rosal Purok Center	P	3x2	3x3	3x1	18	1
Reconstruction Of Pamitinan Lubid Sitio Hall	P	3x2	3x3	3x1	18	1
Repair Of Balading Community Stage	P	2x2	2x3	3x1	13	3
Reconstruction Of Balading Waiting Shed	P	2x2	2x3	3x1	13	3
Repair Napocor Power Plant In Bisucay	P	3x2	3x3	3x1	18	1
Repair Of Funda Mini Covered Gym	P	3x2	3x3	3x1	18	1
Repair Of Masagana Purok Center	P	3x2	3x3	3x1	18	1
Repair Of Maligaya Purok Center	P	3x2	3x3	3x1	18	1
Repair Of Bagong Sikat Purok Center	P	3x2	3x3	3x1	18	1
<b>Municipality of Dumaran</b>						
Repair of Municipal Covered Court of Brgy Poblacion	P	1x2	1x3	3x1	8	5
Replacement of Glass Door and Windows at Building II, Evacuation Center of Brgy Poblacion	P	3x2	3x3	3x1	18	1
Repair of ABC Building of Brgy Poblacion	P	2x2	3x3	3x1	16	2
Repair of Manpower Development Center of Brgy Poblacion	P	2x2	3x3	3x1	16	2
Repair of Comelec building of Brgy Poblacion	P	3x2	3x3	3x1	18	1
Contruction of Bgy. Stage of Brgy Poblacion	P	1x2	1x3	3x1	8	5
Construction of District Office of Brgy Poblacion	P	3x2	3x3	3x1	18	1
Repair of Municipal Evacuation Center	P	2x2	2x3	3x1	13	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
(gymnasium) & toilets of Brgy Danleg						
Repair of ABC Building of Brgy Danleg	P	2x2	2x3	3x1	13	
Repair of Municipal Sub Office Hall of Brgy Danleg	P	3x2	3x3	3x1	18	1
Repair of Multipurpose Hall of Brgy Calasag	P	3x2	3x3	3x1	18	1
Repair of Multi-purpose Hall (Bgy. Hall) of Brgy Culasian	P	3x2	3x3	3x1	18	1
Repair of Covered Multipurpose Hall of of Brgy Itangil	P	1x2	1x3	3x1	8	5
Repair of Covered Multipurpose Hall of Brgy Magsaysay	P	1x2	1x3	3x1	8	5
Repair of Public Market of Brgy Sta Teresita	P	3x2	3x3	3x1	18	1
Construction of 1 Unit Piggery House of Brgy Sta Teresita	P	3x2	3x3	3x1	18	1
Repair of Covered Multipurpose Hall of Brgy Sta Maria	P	1x2	1x3	3x1	8	5
Repair of Day Care Center of Brgy Bacao	P	2x2	1x3	3x1	10	4
<b>Municipality of Kalayaan</b>						
Reconstruction of Municipal Building	P	3x2	3x3	3x1	18	1
Reconstruction of Pabalubong Center	P	2x2	2x3	2x1	12	2
Repair of Training Center	P	3x2	3x3	3x1	18	1
Repair of Police Station (PNP)	P	2x2	2x3	2x1	12	2
Repair of Public Toilet And Handwashing Facility	P	2x2	2x3	2x1	12	1
Reconstruction of Water Refilling Station	P	3x2	3x3	3x1	18	1
Repair of Evacuation Center	P	3x2	3x3	3x1	18	1
Repair of Covered Court	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Engineering Building	P	3x2	3x3	3x1	18	1
Reconstruction of Green House	P	3x2	3x3	3x1	18	1
Reconstruction of Poultry House	P	3x2	3x3	3x1	18	1
Rehabilitation of Warehouse/ Stock Room	P	3x2	3x3	3x1	18	1
Repair of Staff House	P	3x2	3x3	3x1	18	1
Repair of Transient House	P	3x2	3x3	3x1	18	1
Reconstruction of Day Care Center	P	3x2	3x3	3x1	18	1
Repair of Enclosed Solar Dryer	P	3x2	3x3	3x1	18	1
Rehabilitation of Power House	P	3x2	3x3	3x1	18	1
Repair of Solar Power Plant	P	3x2	3x3	3x1	18	1
Repair of Multi-purpose Building	P	2x2	2x3	2x1	18	1
Rehabilitation of Livelihood Training Center	P	3x2	3x3	3x1	18	1
Repair of Community Fish Landing Facility (BFAR)	P	2x2	2x3	2x1	12	2
<b>Municipality of Linapacan</b>						
Repair of Barangonan Brgy. Hall	P	2x2	3x3	3x1	14	2
Repair of Pical Brgy. Hall	P	3x2	3x3	3x1	18	1
Repair of Pical Evacuation Center	P	3x2	3x3	3x1	18	1
<b>Municipality of Magsaysay</b>						
Repair of Day Care Center Bgy Alcoba	P	3X2	3X3	2X1	18	1
Reconstruction of Covered Gym Bgy Alcoba	O	3X2	3X3	3X1	18	1
Repair of Barangay Stage Bgy Alcoba	P	2x2	2x3	2x1	11	2
Repair of Evacuation Center Bgy Alcoba	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Reconstruction of Evacuation Center Bgy Lucbuan (Intigban)	P	3X2	3X3	3X1	18	1
Rehabilitation of Evacuation Center Bgy Cocoro	P	3X2	3X3	3X1	18	1
<b>Municipality of Roxas</b>						
Repair of Purok Maligaya Basketball Court/ Covered Court	P	3x2	3x3	3x1	18	1
Repair of Bgy.Stage/Covered Basketball Court (Bgy. Proper)	P	3x2	3x3	3x1	18	1
Reconstruction of MRF (Bgy. Proper)	P	3x2	3x3	3x1	18	1
Repair of Bgy. Tanod Outpost	P	3x2	3x3	3x1	18	1
Repair of MRF	P	3x2	3x3	3x1	18	1
Repair of Handwashing Facility	P	3x2	3x3	3x1	18	1
Reconstruction Four (4) Agri-Booth	P	3x2	3x3	3x1	18	1
Reconstruction of Purok Maunlad Potable Water System	P	3x2	3x3	3x1	18	1
Repair of Outdoor Basketball Court-Purok Maunlad	P	3x2	3x3	3x1	18	1
Reconstructiion of Bleachers	P	3x2	3x3	3x1	18	1
Repair of Tanod Outpost (Purok II)	P	3x2	3x3	3x1	18	1
Repair of Barangay Waiting Shed (Purok II)	P	3x2	3x3	3x1	18	1
Reconstruction Barangay and Purok MRF	P	3x2	3x3	3x1	18	1
Repair of Public Comfort Room	P	3x2	3x3	3x1	18	1
Reconstruction of Tanod Outpost	P	3x2	3x3	3x1	18	1
Repair of Basketball Court Silangan	P	3x2	3x3	3x1	18	1
Repair of Tanod Outpost	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Lupon Office	P	3x2	3x3	3x1	18	1
Repair of Basketball Court Buayan II	P	3x2	3x3	3x1	18	1
Repair of Basketball Court Buayan	P	3x2	3x3	3x1	18	1
Reconstruction of MRF (Light Materials)	P	3x2	3x3	3x1	18	1
Reconstruction of Waiting Shed	P	3x2	3x3	3x1	18	1
Repair of Barangay Bleacher	P	3x2	3x3	3x1	18	1
Reconstruction of Tanod Outpost (Near Barangay Hall)	P	3x2	3x3	3x1	18	1
Reconstruction of Purok 9 Sitio Mapatiad (Purok Stage/Center & CR)	P	3x2	3x3	3x1	18	1
Repair of Purok 2 Basketball Court	P	3x2	3x3	3x1	18	1
Repair of Capalan Basketball Court	P	3x2	3x3	3x1	18	1
Repair of Office of the Provincial Agriculture & Agriculture Supervisor	P	3x2	3x3	3x1	18	1
Reconstruction of Barangay Comfort Room	P	3x2	3x3	3x1	18	1
Reconstruction of Mini-Material Recovery Facility (MRF) 4 Facility Totally Damage	P	3x2	3x3	3x1	18	1
Reconstruction of Barangay Waiting Shed	P	3x2	3x3	3x1	18	1
Reconstruction of Barangay Talipapa	P	3x2	3x3	3x1	18	1
Reconstruction of Purok Ilang-Ilang Basketball Court and Stage	P	3x2	3x3	3x1	18	1
Reconstruction of Purok Ilang-Ilang Full Disclosure Policy Board	P	3x2	3x3	3x1	18	1
Reconstruction of Purok Sampaguita Stage	P	3x2	3x3	3x1	18	1
Reconstruction of barangay Power House	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Purok Mabuhay Basketball Court	P	3x2	3x3	3x1	18	1
Repair of MRF	P	3x2	3x3	3x1	18	1
Repair of MPDP	P	3x2	3x3	3x1	18	1
Repair of Barangay Stage	P	3x2	3x3	3x1	18	1
Reconstruction of Purok Bayanihan, Masigla Tribal, Damayan, 7 Agri-booth/Kubol	P	3x2	3x3	3x1	18	1
Repair of Stage	P	3x2	3x3	3x1	18	1
Repair/ Rehabilitation of Tanod Outpost	P	3x2	3x3	3x1	18	1
Rehabilitation of VAWC	O	3x2	3x3	3x1	18	1
Repair/rehab of Tanod Outpost	P	3x2	3x3	3x1	18	1
Reconstruction of Stage (Purok Inindian)	P	3x2	3x3	3x1	18	1
Reconstruction ofBarangay MRF	P	3x2	3x3	3x1	18	1
Reconstruction ofTanod Outpost (P. Malabusog)	P	3x2	3x3	3x1	18	1
Repair of Basketball Court (P. Malabusog)	P	3x2	3x3	3x1	18	1
Repair of Material Recovery Facility (MRF)	P	3x2	3x3	3x1	18	1
Repair of Barangay Stage	P	3x2	3x3	3x1	18	1
Repair/rehabilitation of Barangay Tanod Outpost	P	3x2	3x3	3x1	18	1
Repair of Barangay Stage	P	3x2	3x3	3x1	18	1
Repair of Purok Stage	P	3x2	3x3	3x1	18	1
Repair of Barangay MRF and C.R.	P	3x2	3x3	3x1	18	1
Reconstruction of Minara Tanod Outpost	P	3x2	3x3	3x1	18	1
Reconstruction of Bleacher	P	3x2	3x3	3x1	18	1
Reconstruction of JTR Bleacher	P	3x2	3x3	3x1	18	1
Repair of Bleacher (2 Units)	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Brgy. San Nicolas Tanod Outpost	P	3x2	3x3	3x1	18	1
Repair of Brgy. San Nicolas Toilet	P	3x2	3x3	3x1	18	1
Repair of Brgy. San Nicolas Powerhouse	P	3x2	3x3	3x1	18	1
Repair of Brgy. San Nicolas Purok Booth	P	3x2	3x3	3x1	18	1
Repair of Purok Stage (Tiondonan)	P	3x2	3x3	3x1	18	1
Reconstruction of Vermi Culture	P	3x2	3x3	3x1	18	1
Repair of Iraan Dirty Kitchen	P	3x2	3x3	3x1	18	1
Repair of purok sasisag purok center	P	3x2	3x3	3x1	18	1
Reconstruction of Iraan MRF	P	3x2	3x3	3x1	18	1
Repair of Iraan Stage	P	3x2	3x3	3x1	18	1
Repair of Bgy. Dumarao Booth of every Purok	P	3x2	3x3	3x1	18	1
Repair of Bgy. Dumarao Barangay Stage	P	3x2	3x3	3x1	18	1
Repair of So. Malungkot Stage	P	3x2	3x3	3x1	18	1
Repair of So. Malungkot Basketball Ring	P	3x2	3x3	3x1	18	1
Repair of Toilet	P	3x2	3x3	3x1	18	1
Reconstruction of Bleacher	P	3x2	3x3	3x1	18	1
Repair of JTR Waiting Shed	P	3x2	3x3	3x1	18	1
Repair of So. Mararag Stage and Bleacher	P	3x2	3x3	3x1	18	1
Brgy. Tumarbong Tanod Outpost	P	3x2	3x3	3x1	18	1
Brgy. Tumarbong Bleacher	P	3x2	3x3	3x1	18	1
Brgy. Tumarbong MRF	P	3x2	3x3	3x1	18	1
Barangay Taradungan Disaster Risk Reduction Office (Old Brgy. Hall)	P	3x2	3x3	3x1	18	1
Baranagy Bleacher ( 2 UNITS)	P	3x2	3x3	3x1	18	1



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Baranagy Bleacher ( 1 UNIT)	P	3x2	3x3	3x1	18	1
Barangay Taradungan Outpost	P	3x2	3x3	3x1	18	1
Purok 3 Stage / Court	P	3x2	3x3	3x1	18	1
Purok 3 Bleacher ( 2 UNITS)	P	3x2	3x3	3x1	18	1
Bgy. Antonino MRF	P	3x2	3x3	3x1	18	1
Bgy. Antonino Bleacher	P	3x2	3x3	3x1	18	1
Bleacher 1	P	3x2	3x3	3x1	18	1
Stage	P	3x2	3x3	3x1	18	1
Waiting Shed	P	3x2	3x3	3x1	18	1
Bleacher 2	P	3x2	3x3	3x1	18	1
Repair of SK Hall	P	2x2	2x3	2x1	12	2
Repair of Bahay Tuluyan Facility	P	2x2	2x3	2x1	12	2
Repair of Barangay Storage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Katutubo Tribal Center/Evacuation Center, Purok Bayanihan	P	2x2	2x3	2x1	12	2
Reconstruction Purok Ibangang Stage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Bayanihan Stage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Masipag Stage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Masipag Bleacher	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Masipag Purok Center	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Masipag Evacuation Center	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Maunlad Stage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Center-Purok Bayanihan	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Stage of Purok Mabuhay	P	2x2	2x3	2x1	12	2

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Reconstruction of Purok Maagap Stage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Hall (Stage & CR)	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Nagkakaisa Center with Stage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Mabuhay Center	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Pag-asa Center	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Nagkakaisa Center with Stage	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Mabuhay Center	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Bukang liwayway Center	P	2x2	2x3	2x1	12	2
Repair of Stage Silangan	P	2x2	2x3	2x1	12	2
Repair of Stage Proper	P	2x2	2x3	2x1	12	2
Repair of Matinao Purok Center (Designated: Isolation Facility, VAW Desk Office, BNS & BMONC	P	2x2	2x3	2x1	12	2
Reconstruction of Barangay Training Center	P	2x2	2x3	2x1	12	2
Repair of Purok Cattleya Stage	P	2x2	2x3	2x1	12	2
Repair of Purok Ilang-Ilang Center	P	2x2	2x3	2x1	12	2
Reconstruction of Purok Sampaguita Center	P	2x2	2x3	2x1	12	2
Repair of Purok Rosal Center	P	2x2	2x3	2x1	12	2
Reconstruction of 4P's Center	P	2x2	2x3	2x1	12	2
Repair of Barangay Hall (New site)	P	2x2	2x3	2x1	12	2
Repair of Multi-Purpose Building/KALAH I Bldg.	P	2x2	2x3	2x1	12	2
Repair of Purok Center (P. Malabusog)	P	2x2	2x3	2x1	12	2
Repair of KALAH I Building	P	2x2	2x3	2x1	12	2

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Barangay Hall (Evacuation)	P	2x2	2x3	2x1	12	2
Repair of Repair of Purok Center Bagong Silang	P	2x2	2x3	2x1	12	2
Repair of 1st purok center	P	2x2	2x3	2x1	12	2
Repair of Purok Itabiak Center	P	2x2	2x3	2x1	12	2
Repair of Purok Itabiak Stage	P	2x2	2x3	2x1	12	2
Repair of Lower Subingao Purok Center	P	2x2	2x3	2x1	12	2
Reconstruction of JTR Waiting Shed	P	2x2	2x3	2x1	12	2
Repair of So. Proper Waiting Shed	P	2x2	2x3	2x1	12	2
Repair of Barangay Tardungan Purok 3 Center	P	2x2	2x3	2x1	12	2
Repair of Purok area and purok sikat Center	P	2x2	2x3	2x1	12	2
Repair of barangay bagong bayan purok area Purok baong Pag-asa center	P	2x2	2x3	2x1	12	2
Repair of Purok Pagkakaisa	P	2x2	2x3	2x1	12	2
Repair of Senior Citizen Office (Centro)	P	1x2	1x3	1x1	6	3
Repair of Bgy. Hall( Purok Centro)	P	1x2	1x3	1x1	6	3
Repair of Senior Citizen Building (Bgy. Proper)	P	1x2	1x3	1x1	6	3
Repair of San Dionisio Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Purok Masigla Day Care Center	P	1x2	1x3	1x1	6	3
Repair/ rehab of Office of the Punong Barangay	P	1x2	1x3	1x1	6	3
Repair of Old Building Evacuation Center	P	1x2	1x3	1x1	6	3
Reconstruction/rehab of Covered Gym & C.R.	P	1x2	1x3	1x1	6	3
Repair of PWD Building	P	1x2	1x3	1x1	6	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Women's Center	P	1x2	1x3	1x1	6	3
Reconstruction/ RehabSenior Citizen Building	P	1x2	1x3	1x1	6	3
Repair of Barangay Disaster Operation Office	P	1x2	1x3	1x1	6	3
Reconstruction/ rehabilitation of Public Market	P	1x2	1x3	1x1	6	3
Repair of Purok Bayanihan Day Care Center	P	1x2	1x3	1x1	6	3
Repair of RAC	P	1x2	1x3	1x1	6	3
Repair of Linapawan RCBC	P	1x2	1x3	1x1	6	3
Reconstruction of Los Pigados Covered Hall	P	1x2	1x3	1x1	6	3
Reconstruction/ rehab of Purok Masipag Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Purok Maunlad Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Purok Maunlad Day Care Center	P	1x2	1x3	1x1	6	3
Reconstruction/rehab of Day Care Center and Kitchen (Barangay Proper)	P	1x2	1x3	1x1	6	3
Repair of Barangay Hall (Purok II)	P	1x2	1x3	1x1	6	3
Repair of Barangay Public Market	P	1x2	1x3	1x1	6	3
Reconstruction of Covered Gym (PGP)	P	1x2	1x3	1x1	6	3
Repair of Bgy. Hall	P	1x2	1x3	1x1	6	3
Repair of Women's Center	P	1x2	1x3	1x1	6	3
Repair of Senior Citizen Center	P	1x2	1x3	1x1	6	3
Repair of Day Care (designated evacuation)	P	1x2	1x3	1x1	6	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Reconstruction of Covered Hall Silangan	P	1x2	1x3	1x1	6	3
Repair of Daycare Center Proper	P	1x2	1x3	1x1	6	3
Repair of Covered Court	P	1x2	1x3	1x1	6	3
Reconstruction of Covered Hall ( Sitio Buayan)	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Hall	P	1x2	1x3	1x1	6	3
Repair of Senior Citizen's Office	P	1x2	1x3	1x1	6	3
Repair of Daycare Center (Silangan)	P	1x2	1x3	1x1	6	3
Repair of Daycare Center Buayan I	P	1x2	1x3	1x1	6	3
Repair of SK Building	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Reconstruction of Purok 7 Candelaria (Day Care Center/Stage)	P	1x2	1x3	1x1	6	3
Repair of Purok 2 Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Barangay Market Center	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Public Market	P	1x2	1x3	1x1	6	3
Reconstruction of Arasan Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Magara Early Child Care Development	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Covered Court	P	1x2	1x3	1x1	6	3
Repair of Magara Barangay Hall	P	1x2	1x3	1x1	6	3
Repair of Purok Maharlika Day Care Center (Light Materials)	P	1x2	1x3	1x1	6	3
Repair of Bagong Silang Covered Hall	P	1x2	1x3	1x1	6	3
Repair of Barangay Covered Gym	P	1x2	1x3	1x1	6	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Mangingisda Day Care Center	P	1x2	1x3	1x1	6	3
Reconstruction of Senior Citizen Building	P	1x2	1x3	1x1	6	3
Repair of Congressional Building (Multi-Purpose Hall)	P	1x2	1x3	1x1	6	3
v Bonatan Day Care	P	1x2	1x3	1x1	6	3
Repair of Bonatan Day Care Center and Basketball Court	P	1x2	1x3	1x1	6	3
Repair of Barangay Market	P	1x2	1x3	1x1	6	3
Repair of Day Care Center	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Repair of Multi-Purpose Hall (Centro)	P	1x2	1x3	1x1	6	3
Repair of SK Hall	P	1x2	1x3	1x1	6	3
Reconstruction of Senior Citizen Bldg.	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Covered Court (PGP), including bleacher and stage	P	1x2	1x3	1x1	6	3
Repair of Multi-Purpose Building (Day care Center)	P	1x2	1x3	1x1	6	3
Reconstruction of Purok Center (Magsasaka)	P	1x2	1x3	1x1	6	3
Repair of Purok Magsasaka Day Care Center (Inindian)	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Repair of Daycare Center	P	1x2	1x3	1x1	6	3
Repair of Barangay Hall	P	1x2	1x3	1x1	6	3
Repair of Daycare Center Malabusog	P	1x2	1x3	1x1	6	3
Reconstruction of Covered Hall (Malabusog ES)	P	1x2	1x3	1x1	6	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Barangay Hall (Purok II)	P	1x2	1x3	1x1	6	3
Reconstruction of Barangay Covered Court, PGP (including stage, bleachers and BDRRMC Vehicle)	P	1x2	1x3	1x1	6	3
Repair of Kalahi CIDSS Building (Designated as Evacuation Center)	P	1x2	1x3	1x1	6	3
Repair of Day Care Center	P	1x2	1x3	1x1	6	3
Reconstruction of Day Care Center (Kitchen)	P	1x2	1x3	1x1	6	3
Reconstruction/ rehabilitation of PGP Covered hall	P	1x2	1x3	1x1	6	3
Repair of olar streetlight	P	1x2	1x3	1x1	6	3
Repair of VRR GYM (Central Evacuation Center)	P	1x2	1x3	1x1	6	3
Repair of Terminal Complex (Main Terminal Building, JTR Waiting shed, Collection Booth, BPLO and Shed for Transport Group)	P	1x2	1x3	1x1	6	3
Repair of Tourism Center	P	1x2	1x3	1x1	6	3
Repair of Multi-Purpose Building (RTC 44)	P	1x2	1x3	1x1	6	3
Repair of PNP Building	P	1x2	1x3	1x1	6	3
Repair of Multi-Purpose Building (MCR)	P	1x2	1x3	1x1	6	3
Repair of Multi-Purpose Building (Treasury and Accounting)	P	1x2	1x3	1x1	6	3
Repair of Multi-Purpose Building (Comelec)	P	1x2	1x3	1x1	6	3
Repair of BFP Building	P	1x2	1x3	1x1	6	3
Repair of Peoples Park Stage (Mayor's Office Ext., GSO Office & Admin Office)	P	1x2	1x3	1x1	6	3
Repair of Sr. Citizen's Office/ DSWD	P	1x2	1x3	1x1	6	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of MPDC/ MENRO Building	P	1x2	1x3	1x1	6	3
Repair of SK Building	P	1x2	1x3	1x1	6	3
Repair of PGP Covered hall	P	1x2	1x3	1x1	6	3
Repair of Solar streetlight	P	1x2	1x3	1x1	6	3
Repair of DA Building (2 storey)	P	1x2	1x3	1x1	6	3
Repair of BFARM Office	P	1x2	1x3	1x1	6	3
Repair of ABC Building	P	1x2	1x3	1x1	6	3
Repair of Roxas Ice Plant	P	1x2	1x3	1x1	6	3
Repair of Market Complex (Market Main Building, Commercial 1, Commercial 2 and Bagsakan area)	P	1x2	1x3	1x1	6	3
Repair of Slaughter House, Hog Holding Pens, Staff house, Power house, Pump house, perimeter fence and Gate	P	1x2	1x3	1x1	6	3
Repair of Municipal Recovery Facility and Office	P	1x2	1x3	1x1	6	3
Repair of Composting Facility	P	1x2	1x3	1x1	6	3
Repair of Power House (Landfill)	P	1x2	1x3	1x1	6	3
Repair of Guest House/ Evacuation Center	P	1x2	1x3	1x1	6	3
Repair of Multi-Purpose Hall	P	1x2	1x3	1x1	6	3
Repair of Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Repair of Minara Bgy. Hall (Multi-Purpose Hall)	P	1x2	1x3	1x1	6	3
Repair of Covered Gym (PGP)	P	1x2	1x3	1x1	6	3
Repair of E.C.C.D. Center	P	1x2	1x3	1x1	6	3
Repair of Barangay Minara BHW/ BNS	P	1x2	1x3	1x1	6	3
Repair of Multi Purpose Building	P	1x2	1x3	1x1	6	3



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Municipal Motorpool Complex	P	1x2	1x3	1x1	6	3
Repair of Brgy. San Nicolas Multi-Purpose Hall	P	1x2	1x3	1x1	6	3
Reconstruction of Brgy. San Nicolas Women's Center	P	1x2	1x3	1x1	6	3
Repair of Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Repair of SK Building	P	1x2	1x3	1x1	6	3
Repair of Tiondonan Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Brgy multi-purpose Building	P	1x2	1x3	1x1	6	3
Repair of Day care Center	P	1x2	1x3	1x1	6	3
Rehab/ reconstruction of Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Repair of Purok Sagisag Day care Center	P	1x2	1x3	1x1	6	3
Repair of Bgy. Dumarao KALAH Building/ Evacuation Center	P	1x2	1x3	1x1	6	3
Repair of Bgy. Dumarao Disaster Center	P	1x2	1x3	1x1	6	3
Repair of Bgy. Dumarao Day Care/ Evacuation Center	P	1x2	1x3	1x1	6	3
Repair of Bgy. Dumarao Covered Court/ Evacuation Center	P	1x2	1x3	1x1	6	3
Repair of Bgy. Dumarao Barangay Hall/ Evacuation Center	P	1x2	1x3	1x1	6	3
Repair of Bgy. Dumarao Stockfile Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Subingao Daycare Center	P	1x2	1x3	1x1	6	3
Repair of Barangay Mendoza SK Building	P	1x2	1x3	1x1	6	3
Repair of Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Repair of Senior Citizens Building	P	1x2	1x3	1x1	6	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Taliwara Day Care Center	P	1x2	1x3	1x1	6	3
Repair of Guest House/ Evacuation Center	P	1x2	1x3	1x1	6	3
Repair of BEANS Office	P	1x2	1x3	1x1	6	3
Repair of Covered Gym (PGP)	P	1x2	1x3	1x1	6	3
Reconstruction of Multi-Purpose Building/Bgy. Hall Extension	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong Tumarbong Community Fish Landing Center	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong Tumarbong Brgy. Hall	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong Day care Center	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong SK Building	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong Bahay Tuluyan	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong VAWC Office	P	1x2	1x3	1x1	6	3
Repair of Covered Court (PGP)	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong Purok Hall (Purok II)	P	1x2	1x3	1x1	6	3
Repair of Brgy. Tumarbong Old Brgy. Hall	P	1x2	1x3	1x1	6	3
Repair of Barangay Street Lights (3 Units)	P	1x2	1x3	1x1	6	3
Repair of Purok 3 Daycare	P	1x2	1x3	1x1	6	3
Repair of Bgy. Antonino Multi-Purpose Building	P	1x2	1x3	1x1	6	3
Repair of brgy. Bagong Bayan Barangay Hall	P	1x2	1x3	1x1	6	3
Repair of brgy. Bagong bayan Senior Citizen Building	P	1x2	1x3	1x1	6	3

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Municipality of San Vicente						
Repair of Municipal Gov't Center I, II, & III Bldg.	P	3x2	3x3	3x1	18	1
Repair of Legislative Building	P	3x2	3x3	3x1	18	1
Repair of DILG Bldg	P	3x2	3x3	3x1	18	1
Repair of PNP Bldg	P	3x2	3x3	3x1	18	1
Repair of Municipal Engineering Office	P	3x2	3x3	3x1	18	1
Repair of Motorpool Bldg and other Facilities	P	3x2	3x3	3x1	18	1
Repair of MEEDO Bldg and Public Market Facilities	P	3x2	3x3	3x1	18	1
Repair of Day Care Center	P	2X2	3X3	3X1	16	2
Repair of Barangay Hall	P	3x2	2x3	3x1	15	2
Repair of Day Care Center	P	2x2	3x3	3x1	16	2
Repair of Barangay Hall	P	3x2	2x3	3x1	15	2
Repair of Barangay Hall	P	3x2	2x3	3x1	15	2
Repair of Municipal Gym	P	2x2	2x3	3x1	13	3
Repair of Municipal Gym	P	2x2	2x3	3x1	13	3
Repair of Municipal Gym	P	2x2	2x3	3x1	13	3
Repair of Municipal Gym	P	2x2	2x3	3x1	11	3
Repair of Session Hall	P	2x2	3x3	2x1	15	3
Repair of Municipal Gym	P	2x2	2x3	3x1	13	3
Repair of Municipal Gym	P	2x2	2x3	3x1	13	3
Repair of Municipal Gym	P	2x2	2x3	3x1	13	3
Repair of Material Recovery Facility	P	3x2	1x3	2x1	11	4
Municipality of Taytay						
REPAIR OF MDRRMO EVACUATION CENTER	P	3x2	3x3	3x1	18	1
Repair of So Arado - Covered Court	P	3x2	3x3	3x1	18	1
Repair of Multi-Purpose Building/Covered Court	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Multi-Purpose Building/Evacuation Center	P	3x2	3x3	3x1	18	1
Repair of Busybees Barangay Hall	P	3x2	3x3	3x1	18	1
Repair of Busybees Barangay Market (Talipapa)	P	3x2	3x3	3x1	18	1
Repair of Multi-Purpose Building Cum Evacuation Center	P	3x2	3x3	3x1	18	1
Repair of Day Care Center - Proper	P	3x2	3x3	3x1	18	1
Repair of Covered Court	P	3x2	3x3	3x1	18	1
Repair of Old Multi-Purpose Building	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - SK HALL	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Grandstand Purok Norte	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Day Care Center Purok Ipil	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Stage Purok Ipil	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Purok Hall (Ipil)	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Basketball Court Purok Ipil	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Purok Hall (Comalibongbong)	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Purok Hall (Norte)	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - BFARMC Hall Purok Ipil	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Evacuation Center	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - MRF Purok Norte	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Barangay Outpost	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Multi-Purpose Hall	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Barangay Bato - DAY CARE CENTER	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Barangay Market	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Purok Hall (Sur)	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - MRF Purok Sur	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Grandstand Purok Sur	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Grandstand Purok Comalibongbong	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Grandstand Barangay Plaza	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Stage Purok Cansilayan	P	3x2	3x3	3x1	18	1
Repair of Barangay Bato - Multi-Purpose Hall Purok Cansilayan	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Covered Court	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Multi-Purpose Hall	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Session Hall Building	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Stage (So Malinao)	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Open Hall (So Binuan)	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Day Care Center (So Binuan)	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Barangay Building	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Day Care Center	P	3x2	3x3	3x1	18	1
Repair of Barangay Libertad - Multi-Purpose Hall (Old Health Center)	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Barangay Libertad - Multi-Purpose Hall & Stage (So. Malinao)	P	3x2	3x3	3x1	18	1
Repair of Barangay Paly - Basketball Court	P	3x2	3x3	3x1	18	1
Repair of Barangay Paly - Purok 2 CDC	P	3x2	3x3	3x1	18	1
Repair of Barangay Paly - Purok 1 CDC	P	3x2	3x3	3x1	18	1
Repair of Barangay Paly - Covered Court	P	3x2	3x3	3x1	18	1
Repair of Barangay Paly - Day Care Center Mess Hall & Play House	P	3x2	3x3	3x1	18	1
Repair of Barangay Paly - Multi-Purpose Hall	P	3x2	3x3	3x1	18	1
Repair of Barangay Paly - Barangay Hall	P	3x2	3x3	3x1	18	1
Repair of So. Amogues Basketball Court	P	3x2	3x3	3x1	18	1
Repair of So. Amogues Purok Hall	P	3x2	3x3	3x1	18	1
Repair of So. Amogues Stage	P	3x2	3x3	3x1	18	1
Repair of So. Caroroy - Stage and Basketball Ring & Post	P	3x2	3x3	3x1	18	1
Repair of So Calumpang – Stage	P	3x2	3x3	3x1	18	1
Repair of So. Paulangon - Multi-Purpose Hall	P	3x2	3x3	3x1	18	1
Repair of So. Meculium - Multi-Purpose Hall	P	3x2	3x3	3x1	18	1
Repair of So. Meculium – Stage	P	3x2	3x3	3x1	18	1
Repair of So. Delmar - Basketball Ring & Post	P	3x2	3x3	3x1	18	1
Repair of So. Pamantan - Day Care Center	P	3x2	3x3	3x1	18	1
Repair of So. Calabucay – Stage	P	3x2	3x3	3x1	18	1
Repair of So. Calabucay - Basketball Ring & Post	P	3x2	3x3	3x1	18	1
Repair of So. Calabucay - Sitio Hall	P	3x2	3x3	3x1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Repair of Purok Miatacan - Basketball Ring & Post	P	3x2	3x3	3x1	18	1
Repair of Purok Miatacan - Purok Hall	P	3x2	3x3	3x1	18	1
Repair of Purok Bagong Silang -Stage	P	3x2	3x3	3x1	18	1
Repair of Purok Bagong Silang -Basketball Ring & Post	P	3x2	3x3	3x1	18	1
Repair of Purok Bagong Silang -Day Care Center	P	3x2	3x3	3x1	18	1
Repair of Barangay Calawag - Public Market	P	3x2	3x3	3x1	18	1
Repair of Barangay Calawag - Collection Booth	P	3x2	3x3	3x1	18	1
Repair of Barangay Calawag - Senior Citizen Building	P	3x2	3x3	3x1	18	1
<b>Rehabilitation Needs of Puerto Princesa City</b>						
Rehabilitation/Repair of Covered Gym of Barangay Babuyan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay Bacungan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Bacungan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Bagong Bayan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Bahile, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay Bahile, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of	P	3 x 2	3 x 3	3 x 1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Barangay Binduyan, Puerto Princesa City						
Rehabilitation/Repair of Bgy. Hall of Barangay Cabayugan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Sabang Wharf Waiting Area of Barangay Cabayugan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Information Center & Stage of Barangay Cabayugan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Cabayugan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym Extension & Stage of Barangay Conception, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Conception, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Irawan Agricultural Traiding Center of Barangay Irawan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Irawan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Langogan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay Langogan, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of	P	3 x 2	3 x 3	3 x 1	18	1



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Barangay Lucbuan, Puerto Princesa City						
Rehabilitation/Repair of CDRRMO of Barangay Luzviminda, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay Macarascas, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Macarascas, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay Manalo, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Manalo, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Manginisda, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay Manginisda, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Multi-purpose Hall of Barangay Manginisda, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Barangay Market of Barangay Maoyon, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Old Barangay Hall of Barangay Maoyon, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Maruyogon, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of	P	3 x 2	3 x 3	3 x 1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Barangay Napsan, Puerto Princesa City						
Rehabilitation/Repair of Old Barangay Hall of Barangay Salvacion, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Bgy. Salvacion, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of City Coliseum of Barangay San Pedro, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay San Rafael, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Stock Room of Barangay San Rafael, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Mini City Hall of Barangay San Rafael, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay San Rafael, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Sicsican, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Sta. Lourdes, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of MRF of Barangay Sta. Lourdes, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Sta. Monica, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of New Green City Hall Building of Barangay Sta.	P	3 x 2	3 x 3	3 x 1	18	1

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Monica, Puerto Princesa City						
Rehabilitation/Repair of Covered Gym of Barangay Tagabinet, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Bgy. Hall of Barangay Tagabinet, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Old Public Market of Barangay Tagumpay, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation/Repair of Covered Gym of Barangay Tanabag, Puerto Princesa City	P	3 x 2	3 x 3	3 x 1	18	1
Rehabilitation of Main Building Power Generator House	P	3x1	3x2	3x3	18	1
Rehabilitaion of Coastal and Marine Ecosystems Rehabilitation Sub-Program	P	3x1	2x1	3x3	14	2
Rehabilitation of Inclined elevated watch/monitoring post and perimeter fence	P	1X1	2x1	3x3	12	2
Rehabilitation of Felled Elevated watch/monitoring post	P	1X1	2x1	3x3	12	2
Rehabilitation of Mini-multi purpose hall	P	1X1	2x1	3x3	12	2
Rehabilitation of Water Tower	P	1X1	2x1	3x3	12	2
Rehabilitation/Repair of Community Learning Center of Barangay Bahile, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2
Rehabilitation/Repair of View Deck of Barangay Buenavista, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2
Rehabilitation/Repair of Barangay Public Toilet of Barangay Langogan, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Rehabilitation/Repair of Barangay Waiting Area of Barangay Lucbuan, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2
Rehabilitation/Repair of Stage & Tanod Outpost of Barangay Manalo, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2
Rehabilitation/Repair of Barangay Public Toilet of Barangay Maruyugon, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2
Rehabilitation/Repair of Sangguniang Barangay Building of Barangay Napsan, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2
Rehabilitation/Repair of Training Center of Barangay San Rafael, Puerto Princesa City	P	2 x 2	2 x 2	3 x 1	11	2
Rehabilitation/Repair of Plaza Cuartel of Barangay Liwanag, Puerto Princesa City	P	2 x 2	1 x 2	3 x 1	8	3
Rehabilitation/Repair of New Public Market of Barangay San Jose, Puerto Princesa City	P	2 x 2	1 x 2	3 x 1	8	3
Rehabilitation/Repair of Irawan Bus & Jeepney Terminal of Barangay Irawan, Puerto Princesa City	P	2 x 2	1 x 2	3 x 1	8	3
Rehabilitation/Repair of MRF of Barangay Sta. Lucia, Puerto Princesa City	P	2 x 2	1 x 2	3 x 1	8	3
Rehabilitation/Repair of Forest Park- Leaning Pod of Barangay Sta. Monica, Puerto Princesa City	P	2 x 2	1 x 2	3 x 1	8	3
Rehabilitation of Magarwakn Eco-Park Foot Bridge	P	2 x 2	1 x 2	3 x 1	8	3
Rehabilitation of 3 Observatory Platform of Magarwak Eco-Park	P	2 x 2	1 x 2	3 x 1	8	3

Programs/ projects	STATUS( C, O, PL, P)	CRITERIA			Score	Rank
		Importance R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
Rehabilitation of 4 Observatory Platform nad Feeding Station of Irawan Wildlife Facility	P	2 x 2	1 x 2	3 x 1	8	3
Procurement of two (2) Storage/Container Van and installation of railings as ground support for the storage/container van.	P	3 x 2	3 x 3	1 x 1	16	1
Procurement of six (6) new sets of communications equipment, tower, antenna, cable and repeater units.	P	3 x 2	2 x 3	1 x 1	13	2
Procurement of four (4) Early Warning Systems	P	2 x 2	2 x 3	1 x 1	11	2
Procurement of Food and Non-food Items to be prepositioned to Mini City Hall.	P	2 x 2	1 x 3	1 x 1	8	3
Procurement and restoration of damaged streetlight posts and bulbs.	P	3 x 2	3 x 3	3 x 1	18	1

## POLICY AND PROGRAM RECOMMENDATION FOR THE GOVERNANCE SUB-SECTOR

- Provision of alternative communication equipment to all LDRRMCs;
- Capacity building to all LDRRMCs on disaster prepared and response and Management of the Dead and Missing;
- Local government units to ensure that the rehabilitation and reconstructions of government facilities are disaster prone and compliant to building code;
- Intensify information, education and communication on hazards to high-risk communities; and
- Empower constituents to participate in building disaster resilient communities.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR GOVERNANCE AND DRRM SUB-SECTOR

Table 51. Rehabilitation and recovery needs for governance and DRRM Sub-sector

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementi ng Agency	Timeline of Implementati on Period
			Reported Damage	Recommen ded for Funding			
Province of Palawan							
Municipality of Aborlan							
1	Repair of Covered Court	Culandanum, Aborlan	200,000	1,000,000	NDRRMC / DILG	LGU	2022-2023
Municipality of Araceli							
1	Repair of Old Municipal Hall	Araceli, Poblacion	1,000,000. 00	1,500,000.0 0	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Municipal Stage	Araceli, Poblacion	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Barangay Stage	Araceli,Tininti nan	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of New Municipal Hall Bldg.	Araceli,Tininti nan	500,000.00	800,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Barangay Hall	Araceli,Dalaya wan	1,000,000. 00	1,500,000.0 0	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Barangay Hall	Araceli Taloto	400,000.00	600,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Barangay Stage	Araceli,San jose de oro	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Barangay Hall	Araceli,Maurin gen	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Barangay Stage	Araceli,Maurin gen	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Evacution center	Araceli,Lumac ad	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
1	Repair of Senior citizen center	Araceli,Dagma n	500,000.00	700,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
2	Repair of Covered Gymnasium	Araceli, Poblacion	3,000,000.00	4,500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Public market	Araceli, Poblacion	1,500,000.00	3,000,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Port Passenger Terminal	Araceli, Poblacion	1,500,000.00	3,000,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center purok-3	Araceli, Poblacion	200,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center purok-1	Araceli, Poblacion	200,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center purok-2	Araceli, Poblacion	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Hall	Araceli, Tinintinan	500,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Isolation	Araceli, Tinintinan	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Women Crisis Center DSWD	Araceli, Tinintinan	500,000.00	800,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Covered Gymnasium DPWH	Araceli, Tinintinan	2,500,000.00	3,500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Motorpool	Araceli, Tinintinan	2,000,000.00	3,000,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center	Araceli, Dalayawan	500,000.00	700,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Hall	Araceli, Sto Niño	500,000.00	700,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Isolation	Araceli, Sto Niño	300,000.00	500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare Center	Araceli, Sto Niño	300,000.00	500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
2	Repair of Daycare center	Araceli Taloto	300,000.00	500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Market	Araceli, San Jose De Oro	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center	Araceli, Mauringen	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Mechanical, Solar Drier Bldg.	Araceli, Mauringen	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center purok-1	Araceli, Mauringen	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Hall	Araceli, Madoladolon	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Multi purpose Bldg.	Araceli, Madoladolon	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center	Araceli, Madoladolon	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Stage	Araceli, Balogo	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Senior citizen center	Araceli, Balogo	200,000.00	300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Covered Gymnasium	Araceli, Lumacad	500,000.00	700,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Hall	Araceli, Lumacad	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Mechanical, Solar Drier Bldg.	Araceli, Lumacad	300,000.00	400,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Multi purpose Bldg.	Araceli, Osmeña	500,000.00	700,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Hall	Araceli, Osmeña	1,000,000.00	1,500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
2	Repair of Daycare center	Araceli, Osmeña	700,000.00	1,000,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Hall	Araceli, Dagman	700,000.00	1,000,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Evacuation Center	Araceli, Dagman	400,000.00	500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Multi purpose Bldg.	Araceli, Dagman	400,000.00	500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Barangay Hall	Araceli, Calandagan	500,000.00	700,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Daycare center	Araceli, Calandagan	400,000.00	600,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Passenger Terminal Port	Araceli, Calandagan	800,000.00	1,300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Bemonc Building	Araceli, Calandagan	800,000.00	1,300,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
2	Repair of Rockcoastway	Araceli, Calandagan	1,000,000.00	1,500,000.00	NDRRMC / DILG/ PGP	LGU Araceli	2022-2023
<b>Municipality of Cagayancillo</b>							
1	Construction Of Covered Court/evacuation Center Brgy. Talaga	Talaga	5,021,108.33	5,120,488.80	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Construction Of Covered Court/evacuation Center Brgy. Sta. Cruz	Sta. cruz	55,780.00	55,780.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Reapair Municipal Building New	Calsada	109,210.00	150,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Brgy Hall Lipot North	Lipot North	15,000.00	30,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Brgy Hall Nusa	Nusa	15,000.00	30,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Legislative Building	Convento	48,500.00	50,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Brgy Hall Lipot South	Lipot South	5,450.00	5,500.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair Of Multi Purpose Building Lipot South	Lipot South	50,000.00	51,200.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Nusa Chapel	Nusa	40,850.00	78,940.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Mampio Chapel	Mampio	8,820.00	9,560.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Magsaysay Chapel	Magsaysay	60,662.00	100,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
1	Repair Of Municipal Building Old	Lipot North	55,340.00	56,330.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
2	Repair Of Brgy. Hall Bantayan	Bantayan	4,950.00	5,850.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
2	Stage Lipot South	Lipot South	30,000.00	30,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
3	Repair Of Waiting Shed Nusa	Mampio	7,000.00	10,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
3	Repair Of Stage Calsada	Nusa	20,000.00	20,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
3	Repair Of Daycare Center Lipot North	Lipot North	1,500.00	2,200.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
3	Repair Of Mampio Stage	Mampio	8,500.00	10,000.00	NDRRMC / DILG	LGU Cagayancillo	2022-2023
<b>Municipality of Cuyo</b>							
1	Repair Of Cuyo Covered Gym		400,000	500,000	NDRRMC / DILG	LGU	2022-2023
1	Reconstruction Of Comelec Building		2,500,000	4,000,000	NDRRMC / DILG	LGU	2022-2023
1	Reconstruction Of Catadman Multi Purpose		80,000	100,000	NDRRMC / DILG	LGU	2022-2023
1	Reconstruction Lubid Barangay Hall		40,000	50,000	NDRRMC / DILG	LGU	2022-2023
1	Repair Rosal Purok Center		20,000	25,000	NDRRMC / DILG	LGU	2022-2023
1	Reconstruction Of Pamitinan Lubid Sitio Hall		20,000	25,000	NDRRMC / DILG	LGU	2022-2023
1	Repair Napocor Power Plant In Bisucay		80,000	100,000	NDRRMC / DILG	LGU	2022-2023
1	Repair Of Funda Mini Covered Gym		80,000	100,000	NDRRMC / DILG	LGU	2022-2023
1	Repair Of Masagana Purok Center		20,000	25,000	NDRRMC / DILG	LGU	2022-2023
1	Repair Of Maligaya Purok Center		20,000	25,000	NDRRMC / DILG	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair Of Bagong Sikat Purok Center		20,000	25,000	NDRRMC / DILG	LGU	2022-2023
2	Repair Concrete Fence, Gym		12,000	15,000	NDRRMC / DILG	LGU	2022-2023
3	Repair Of Lubid Community Stage		40,000	50,000	NDRRMC / DILG	LGU	2022-2023
3	Repair Of Balading Community Stage		40,000	50,000	NDRRMC / DILG	LGU	2022-2023
3	Reconstruction Of Balading Waiting Shed		20,000	25,000	NDRRMC / DILG	LGU	2022-2023
<b>Municipality of Dumaran</b>							
1	Replacement of Glass Door and Windows at Building II, Evacuation Center - Bgy Poblacion	Bgy. Poblacion	166,600.00	211,140.00	NDRRMC / DILG	LGU	2022-2023
1	Repair of Comelec building - Bgy Poblacion	Bgy. Poblacion	62,500.00	180,000.00	NDRRMC / DILG	LGU	2022-2023
1	Construction of District Office - Bgy Poblacion	Bgy. Poblacion	412,233.80	2,556,092.69	NDRRMC / DILG	LGU	2022-2023
1	Repair of Municipal Sub Office Hall - Bgy Danleg	Bgy. Danleg	50,000.00	185,000.00	NDRRMC / DILG	LGU	2022-2023
1	Repair of Multipurpose Hall - Bgy. Calasag	Bgy. Calasag	155,036.67	214,636.67	NDRRMC / DILG	LGU	2022-2023
1	Repair of Multi-purpose Hall (Bgy. Hall) - Bgy. Culasian	Bgy. Culasian	266,070.00	848,808.56	NDRRMC / DILG	LGU	2022-2023
1	Repair of Public Market		350,500.00	700,000.00	NDRRMC / DILG	LGU	2022-2023
1	Construction of 1 Unit Piggery House		1,500,000.00	1,700,000.00	NDRRMC / DILG	LGU	2022-2023
2	Repair of ABC Building - Bgy Poblacion	Bgy. Poblacion	170,980.00	527,400.00	NDRRMC / DILG	LGU	2022-2023
2	Repair of Manpower Development Center - Bgy Poblacion	Bgy. Poblacion	195,255.00	277,255.00	NDRRMC / DILG	LGU	2022-2023
3	Repair of Municipal Evacuation Center (gymnasium) & toilets - Bgy Danleg	Bgy. Danleg	83,843.33	114,750.00	NDRRMC / DILG	LGU	2022-2023
3	Repair of ABC Building- Bgy Danleg	Bgy. Danleg	60,000.00	98,000.00	NDRRMC / DILG	LGU	2022-2023
4	Repair of Day Care Center - Bgy. Bacao	Bgy. Bacao	186,003.00	488,016.00	NDRRMC / DILG	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
5	Repair of Municipal Covered Court - Bgy Poblacion	Bgy. Poblacion	88,560.00	120,610.00	NDRRMC / DILG	LGU	2022-2023
5	Contruction of Bgy. Stage - Bgy Poblacion	Bgy. Poblacion	150,000.00	419,190.00	NDRRMC / DILG	LGU	2022-2023
5	Repair of Covered Multipurpose Hall - Bgy Itangil	Bgy. Itangil	358,000.00	500,000.00	NDRRMC / DILG	LGU	2022-2023
5	Repair of Covered Multipurpose Hall - Bgy. Magsaysay	Bgy. Magsaysay	298,000.00	450,600.00	NDRRMC / DILG	LGU	2022-2023
5	Repair of Covered Multipurpose Hall - Bgy. Sta. Maria	Bgy. Sta. Maria	300,500.00	450,600.00	NDRRMC / DILG	LGU	2022-2023
<b>Municipality of Kalayaan</b>							
1	Reconstruction of Municipal Building	Pag-asa	850,000.00	15,000,000.00	LGU Kalayaan , DBM, DILG and other national agency	LGU Kalayaan	2022-2023
1	Reconstruction of Pabalubong Center	Pag-asa	350,000.00	500,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Repair of Training Center	Pag-asa	750,000.00	1,000,000.00	LGU Kalayaan , DBM, DILG and other national agency	LGU Kalayaan	2022-2023
1	Repair of Police Station (PNP)	Pag-asa	700,000.00	1,500,000.00	LGU Kalayaan , DBM, DILG and other national agency	LGU Kalayaan	2022-2023
1	Repair of Public Toilet And Handwashing Facility	Pag-asa	200,000.00	500,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Reconstruction of Water Refilling Station	Pag-asa	200,000.00	500,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Repair of Evacuation Center	Pag-asa	500,000.00	1,000,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Repair of Covered Court	Pag-asa	500,000.00	800,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023

POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					, DBM, DILG and other national agency		
1	Repair of Engineering Building	Pag-asa	500,000.00	1,500,000.00	LGU Kalayaan, DBM, DILG and other national agency	LGU Kalayaan	2022-2023
1	Reconstruction of Green House	Pag-asa	350,000.00	700,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Reconstruction of Poultry House	Pag-asa	1,000,000.00	2,000,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Rehabilitation of Warehouse/ Stock Room	Pag-asa	200,000.00	350,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Repair of Staff House	Pag-asa	1,000,000.00	2,000,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Repair of Transient House	Pag-asa	750,000.00	1,000,000.00	LGU Kalayaan, DBM, DILG and other national agency	LGU Kalayaan	2022-2023
1	Reconstruction of Day Care Center	Pag-asa	700,000.00	1,000,000.00	LGU Kalayaan, DBM, DOE and other national agency	LGU Kalayaan	2022-2023
1	Repair of Enclosed Solar Dryer	Pag-asa	500,000.00	5,000,000.00	LGU Kalayaan, DBM, DOE and other national agency	LGU Kalayaan	2022-2023
1	Rehabilitation of Power House	Pag-asa	200,000.00	500,000.00	LGU Kalayaan	LGU Kalayaan	2022-2023
1	Repair of Solar Power Plant	Pag-asa	500,000.00	750,000.00	LGU Kalayaan, DBM, DILG and	LGU Kalayaan	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					other national agency		
2	Repair of Multi-purpose Building	Pag-asa	2,100,000.00	5,000,000.00	TIEZA, DBM, DILG and other national agency	LGU Kalayaan	2022-2023
2	Rehabilitation of Livelihood Training Center	Pag-asa	200,000.00	500,000.00	LGU Kalayaan, DBM, DILG and other national agency	LGU Kalayaan	2022-2023
2	Repair of Community Fish Landing Facility (BFAR)	Pag-asa	250,000.00	350,000.00	LGU Kalayaan, DBM, DA-BFAR and other national agency	LGU Kalayaan	2022-2023
<b>Municipality of Linapacan</b>							
1	Repair of Pical Brgy. Hall	Bgy. Pical	65,000.00	110,000.00	NDRRMC / DILG	LGU	2022-2023
1	Repair of Pical Evacuation Center	Bgy. Pical	2,000.00	4,700.00	NDRRMC / DILG	LGU	2022-2023
2	Repair of Barangonan Brgy. Hall	Bgy. Barangonan	6,000.00	13,100.00	NDRRMC / DILG	LGU	2022-2023
<b>Municipality of Magsaysay</b>							
1	Repair of Day Care Center Bgy Alcoba	Bgy. Alcoba	1,500,000.00	2,500,000.00	NDRRMC / DILG	LGU	2022-2023
1	Reconstruction of Covered Gym Bgy Alcoba	Bgy. Alcoba	3,000,000.00	4,000,000.00	NDRRMC / DILG	LGU	2022-2023
1	Repair of Evacuation Center Bgy Alcoba	Bgy. Alcoba	3,000,000.00	4,000,000.00	NDRRMC / DILG	LGU	2022-2023
1	Reconstruction of Evacuation Center Bgy Lucbuan (Intigban)	Bgy. Lucbuan	2,500,000.00	3,500,000.00	NDRRMC / DILG	LGU	2022-2023
1	Rehabilitation of Evacuation Center Bgy Cocoro	Bgy. Cocoro	1,000,000.00	1,500,000.00	NDRRMC / DILG	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
2	Repair of Barangay Stage Bgy Alcoba	Bgy. Alcoba	1,500,000.00	2,500,000.00	NDRRMC / DILG	LGU	2022-2023
<b>Municipality of Roxas</b>							
1	Repair of Purok Maligaya Basketball Court/ Covered Court	Bgy. Malcampo	50,000.00	1,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Bgy.Stage/Covered Basketball Court (Bgy. Proper)	Bgy. Malcampo	50,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of MRF (Bgy. Proper)	Bgy. Malcampo	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Bgy. Tanod Outpost	Bgy. Abaroan	5,000.00	5,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of MRF	Bgy. Abaroan	25,000.00	15,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Handwashing Facility	Bgy. Abaroan	10,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction Four (4) Agri-Booth	Bgy. Abaroan	20,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Purok Maunlad Potable Water System	Bgy. Abaroan	150,000.00	3,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Outdoor Basketball Court-Purok Maunlad	Bgy. Abaroan	50,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Bleachers	Barangay San Jose	70,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Tanod Outpost (Purok II)	Barangay San Jose	5,000.00	30,000.00	LGU/ NDRMF/	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
1	Repair of Barangay Waiting Shed (Purok II)	Barangay San Jose	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction Barangay and Purok MRF	Barangay Rizal	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Public Comfort Room	Barangay Rizal	30,000.00	30,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Tanod Outpost	Barangay Rizal	50,000.00	25,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Basketball Court Silangan	Barangay New Cuyo	150,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Tanod Outpost	Barangay New Cuyo	20,000.00	10,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Lupon Office	Barangay New Cuyo	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Basketball Court Buayan II	Barangay New Cuyo	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Basketball Court Buayan	Barangay New Cuyo	80,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of MRF (Light Materials)	Barangay Tagumpay	40,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Waiting Shed	Barangay Tagumpay	40,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair of Barangay Bleacher	Barangay Tagumpay	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Tanod Outpost (Near Barangay Hall)	Barangay Tagumpay	50,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Purok 9 Sitio Mapatiad (Purok Stage/Center & CR)	Barangay Tagumpay	200,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Purok 2 Basketball Court	Barangay Tagumpay	60,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Capalan Basketball Court	Barangay Magara	200,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Office of the Provincial Agriculture & Agriculture Supervisor	Barangay Magara	35,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Barangay Comfort Room	Barangay Salvacion	150,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Mini-Material Recovery Facility (MRF) 4 Facility Totally Damage	Barangay Salvacion	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Barangay Waiting Shed	Barangay Salvacion	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Barangay Talipapa	Barangay Salvacion	80,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Purok Ilang-Ilang Basketball Court and Stage	Barangay Salvacion	350,000.00	800,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Purok Ilang-Ilang Full Disclosure Policy Board	Barangay Salvacion	5,000.00	5,000.00	LGU/ NDRMF/	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
1	Reconstruction of Purok Sampaguita Stage	Barangay Salvacion	200,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of barangay Power House	Barangay Salvacion	50,000.00	250,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Purok Mabuhay Basketball Court	Barangay San Miguel	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of MRF	Barangay San Miguel	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of MPDP	Barangay San Miguel	50,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Barangay Stage	Barangay San Miguel	50,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Purok Bayanihan, Masigla Tribal, Damayan, 7 Agri-booth/Kubol	Barangay San Miguel	50,000.00	700,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Stage	Barangay San Miguel	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair/ Rehabilitation of Tanod Outpost	Barangay San Miguel	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Rehabilitation of VAWC	Barangay San Miguel	50,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair/rehab of Tanod Outpost	Barangay Nicanor Zabala	15,000.00	20,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Reconstruction of Stage (Purok Inindian)	Barangay Nicanor Zabala	100,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Barangay MRF	Barangay Tinitian	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Tanod Outpost (P. Malabusog)	Barangay Tinitian	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Basketball Court (P. Malabusog)	Barangay Tinitian	80,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Material Recovery Facility (MRF)	Barangay Jolo	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Barangay Stage	Barangay Jolo	50,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair/rehabilitation of Barangay Tanod Outpost	Barangay Jolo	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Barangay Stage	Barangay I	15,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Purok Stage	Barangay III	10,000.00	25,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Barangay MRF and C.R.	Barangay Minara	30,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Minara Tanod Outpost	Barangay Minara	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Bleacher	Barangay Minara	50,000.00	100,000.00	LGU/ NDRMF/	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
1	Reconstruction of JTR Bleacher	Barangay San Nicolas	40,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Bleacher (2 Units)	Barangay San Nicolas	40,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Brgy. San Nicolas Tanod Outpost	Barangay San Nicolas	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Brgy. San Nicolas Toilet	Barangay San Nicolas	25,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Brgy. San Nicolas Powerhouse	Barangay San Nicolas	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Brgy. San Nicolas Purok Booth	Barangay San Nicolas	60,000.00	150,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Purok Stage (Tiondonan)	Barangay Sandoval	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Vermi Culture	Barangay Sto. Tomas (Iraan)	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Iraan Dirty Kitchen	Barangay Sto. Tomas (Iraan)	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of purok sasisag purok center	Barangay Sto. Tomas (Iraan)	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Iraan MRF	Barangay Sto. Tomas (Iraan)	35,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair of Iraan Stage	Barangay Sto. Tomas (Iraan)	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Bgy. Dumarao Booth of every Purok	Barangay Dumarao	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Bgy. Dumarao Barangay Stage	Barangay Dumarao	80,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of So. Malungkot Stage	Barangay Mendoza	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of So. Malungkot Basketball Ring	Barangay Mendoza	30,000.00	30,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of Toilet	Barangay San Isidro	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Reconstruction of Bleacher	Barangay San Isidro	150,000.00	300, 000	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of JTR Waiting Shed	Barangay San Isidro	60,000.00	85,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Repair of So. Mararag Stage and Bleacher	Barangay San Isidro	150,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Brgy. Tumarbong Tanod Outpost	Barangay Tumarbong	20,000.00	40,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Brgy. Tumarbong Bleacher	Barangay Tumarbong	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Brgy. Tumarbong MRF	Barangay Tumarbong	50,000.00	100,000.00	LGU/ NDRMF/	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
1	Barangay Taradungan Disaster Risk Reduction Office (Old Brgy. Hall)	Barangay Taradungan	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Baranagy Bleacher ( 2 UNITS)	Barangay Taradungan	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Baranagy Bleacher ( 1 UNIT)	Barangay Taradungan	100,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Barangay Taradungan Outpost	Barangay Taradungan	10,000.00	20,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Purok 3 Stage / Court	Barangay Taradungan	300,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Purok 3 Bleacher ( 2 UNITS)	Barangay Taradungan	90,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Bgy. Antonino MRF	Barangay Antonino	5,000.00	10,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Bgy. Antonino Bleacher	Barangay Antonino	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Bleacher 1	Barangay Bagong Bayan	100,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Stage	Barangay Bagong Bayan	50,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
1	Waiting Shed	Barangay Bagong Bayan	50,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Bleacher 2	Barangay Bagong Bayan	75,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of SK Hall	Bgy. Abaroan	75,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Bahay Tuluyan Facility	Bgy. Abaroan	20,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Barangay Storage	Bgy. Abaroan	35,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Katutubo Tribal Center/Evacuation Center, Purok Bayanihan	Bgy. Abaroan	30,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction Purok Ibangsan Stage	Bgy. Abaroan	100,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Bayanihan Stage	Bgy. Abaroan	100,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Masipag Stage	Bgy. Abaroan	100,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Masipag Bleacher	Bgy. Abaroan	75,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Masipag Purok Center	Bgy. Abaroan	35,000.00	70,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Masipag Evacuation Center	Bgy. Abaroan	150,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Maunlad Stage	Bgy. Abaroan	100,000.00	200,000.00	LGU/ NDRMF/	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
2	Reconstruction of Purok Center-Purok Bayanihan	Bgy. Abaroan	35,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Stage of Purok Mabuhay	Bgy. Abaroan	100,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Maagap Stage	Bgy. Abaroan	100,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Hall (Stage & CR)	Bgy. Abaroan	120,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Nagkakaisa Center with Stage	Barangay Rizal	50,000.00	250,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Mabuhay Center	Barangay Rizal	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Pag-asa Center	Barangay Rizal	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Nagkakaisa Center with Stage	Barangay Rizal	50,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Mabuhay Center	Barangay Rizal	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Bukang liwayway Center	Barangay Rizal	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Stage Silangan	Barangay New Cuyo	30,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
2	Repair of Stage Proper	Barangay New Cuyo	30,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Matinao Purok Center (Designated: Isolation Facility, VAW Desk Office, BNS & BMONC	Barangay Magara	100,000.00	3,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Barangay Training Center	Barangay Salvacion	250,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Purok Cattleya Stage	Barangay Salvacion	100,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Purok Ilang-Ilang Center	Barangay Salvacion	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of Purok Sampaguita Center	Barangay Salvacion	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Purok Rosal Center	Barangay Salvacion	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of 4P's Center	Barangay Salvacion	50,000.00	250,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Barangay Hall (New site)	Barangay Caramay	80,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Multi-Purpose Building/KALAHÍ Bldg.	Barangay Nicanor Zabala	80,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Purok Center (P. Malabusog)	Barangay Tinitian	30,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of KALAHÍ Building	Barangay Tinitian	40,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
2	Repair of Barangay Hall (Evacuation)	Barangay I	15,000.00	40,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Repair of Purok Center Bagong Silang	Barangay Sto. Tomas (Iraan)	25,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of 1st purok center	Barangay Sto. Tomas (Iraan)	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Purok Itabiak Center	Barangay Dumarao	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Purok Itabiak Stage	Barangay Dumarao	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Lower Subingao Purok Center	Barangay Dumarao	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Reconstruction of JTR Waiting Shed	Barangay Mendoza	40,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of So. Proper Waiting Shed	Barangay Mendoza	15,000.00	35,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Barangay Tardungan Purok 3 Center	Barangay Taradungan	20,000.00	30,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of Purok area and purok sikat Center	Barangay Bagong Bayan	30,000.00	30,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
2	Repair of barangay bagong bayan purok area Purok baong Pag-asa center	Barangay Bagong Bayan	30,000.00	30,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
2	Repair of Purok Pagkakaisa	Barangay Bagong Bayan	10,000.00	20,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Senior Citizen Office (Centro)	Bgy. Malcampo	30,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Hall( Purok Centro)	Bgy. Malcampo	50,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Senior Citizen Building (Bgy. Proper)	Bgy. Malcampo	30,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of San Dionisio Day Care Center	Bgy. Malcampo	30,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok Masigla Day Care Center	Bgy. Malcampo	150,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair/ rehab of Office of the Punong Barangay	Bgy. Abaroan	250,000.00	1,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Old Building Evacuation Center	Bgy. Abaroan	30,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction/rehab of Covered Gym & C.R.	Bgy. Abaroan	1,000,000.00	3,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of PWD Building	Bgy. Abaroan	50,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Women's Center	Bgy. Abaroan	50,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction/ Rehab Senior Citizen Building	Bgy. Abaroan	500,000.00	800,000.00	LGU/ NDRMF/	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
3	Repair of Barangay Disaster Operation Office	Bgy. Abaroan	40,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction/ rehabilitation of Public Market	Bgy. Abaroan	200,000.00	3,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok Bayanihan Day Care Center	Bgy. Abaroan	35,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of RAC	Bgy. Abaroan	300,000.00	3,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Linapawan RCBC	Bgy. Abaroan	200,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Los Pigados Covered Hall	Bgy. Abaroan	300,000.00	2,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction/ rehab of Purok Masipag Day Care Center	Bgy. Abaroan	150,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok Maunlad Day Care Center	Bgy. Abaroan	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok Maunlad Day Care Center	Bgy. Abaroan	75,000.00	150,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction/rehab of Day Care Center and Kitchen (Barangay Proper)	Barangay San Jose	200,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Hall (Purok II)	Barangay San Jose	20,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
3	Repair of Barangay Public Market	Barangay San Jose	20,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Covered Gym (PGP)	Barangay Rizal	4,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Hall	Barangay Rizal	200,000.00	2,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Women's Center	Barangay Rizal	50,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Senior Citizen Center	Barangay Rizal	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Day Care (designated evacuation)	Barangay Rizal	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Covered Hall Silangan	Barangay New Cuyo	500,000.00	800,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Daycare Center Proper	Barangay New Cuyo	500,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Covered Court	Barangay New Cuyo	500,000.00	600,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Covered Hall ( Sitio Buayan)	Barangay New Cuyo	1,200,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Hall	Barangay New Cuyo	1,000,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Senior Citizen's Office	Barangay New Cuyo	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
3	Repair of Daycare Center (Silangan)	Barangay New Cuyo	25,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Daycare Center Buayan I	Barangay New Cuyo	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of SK Building	Barangay Tagumpay	80,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Covered Court (PGP)	Barangay Tagumpay	4,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Purok 7 Candelaria (Day Care Center/Stage)	Barangay Tagumpay	300,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok 2 Day Care Center	Barangay Tagumpay	35,000.00	75,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Market Center	Barangay Tagumpay	185,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Public Market	Barangay Magara	750,000.00	15,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Arasan Day Care Center	Barangay Magara	900,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Magara Early Child Care Development	Barangay Magara	100,000.00	150,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Covered Court	Barangay Magara	2,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
3	Repair of Magara Barangay Hall	Barangay Magara	100,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok Maharlika Day Care Center (Light Materials)	Barangay Magara	25,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bagong Silang Covered Hall	Barangay Magara	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Covered Gym	Barangay Salvacion	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Mangingisda Day Care Center	Barangay Caramay	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Senior Citizen Building	Barangay Caramay	500,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Congressional Building (Multi-Purpose Hall)	Barangay Caramay	100,000.00	2,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	v Bonatan Day Care	Barangay Caramay	500,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bonatan Day Care Center and Basketball Court	Barangay Caramay	150,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Market	Barangay San Miguel	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Day Care Center	Barangay San Miguel	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Covered Court (PGP)	Barangay San Miguel	4,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
3	Repair of Multi-Purpose Hall (Centro)	Barangay San Miguel	10,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of SK Hall	Barangay San Miguel	10,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Senior Citizen Bldg.	Barangay San Miguel	800,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Covered Court (PGP), including bleacher and stage	Barangay Nicanor Zabala	4,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Multi-Purpose Building (Day care Center)	Barangay Nicanor Zabala	30,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Purok Center (Magsasaka)	Barangay Nicanor Zabala	40,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok Magsasaka Day Care Center (Inindian)	Barangay Nicanor Zabala	60,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Covered Court (PGP)	Barangay Tinitian	4,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Daycare Center	Barangay Tinitian	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Hall	Barangay Tinitian	100,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Daycare Center Malabusog	Barangay Tinitian	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
3	Reconstruction of Covered Hall (Malabusog ES)	Barangay Tinitian	200,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Hall (Purok II)	Barangay Jolo	50,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Barangay Covered Court, PGP (including stage, bleachers and BDRMC Vehicle)	Barangay Jolo	5,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Kalahi CIDSS Building (Designated as Evacuation Center)	Barangay Jolo	30,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Day Care Center	Barangay Jolo	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Day Care Center (Kitchen)	Barangay Jolo	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction/ rehabilitation of PGP Covered hall	Barangay I	4,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of solar streetlight	Barangay I	400,000.00	600,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of VRR GYM (Central Evacuation Center)	Barangay II	1,000,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Terminal Complex (Main Terminal Building, JTR Waiting shed, Collection Booth, BPLO and Shed for Transport Group)	Barangay II	2,650,000.00	5,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Tourism Center	Barangay II	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
3	Repair of Multi-Purpose Building (RTC 44)	Barangay II	50,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of PNP Building	Barangay II	50,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Multi-Purpose Building (MCR)	Barangay II	10,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Multi-Purpose Building (Treasury and Accounting)	Barangay II	30,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Multi-Purpose Building (Comelec)	Barangay II	80,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of BFP Building	Barangay II	430,000.00	1,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Peoples Park Stage (Mayor's Office Ext., GSO Office & Admin Office)	Barangay II	350,000.00	700,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Sr. Citizen's Office/ DSWD	Barangay II	150,000.00	350,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of MPDC/ MENRO Building	Barangay II	200,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of SK Building	Barangay II	200,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of PGP Covered hall	Barangay III	500,000.00	1,500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Solar streetlight	Barangay III	400,000.00	600,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
3	Repair of DA Building (2 storey)	Barangay IV	200,000.00	652,942.66	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of BFARM Office	Barangay IV	100,000.00	420,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of ABC Building	Barangay IV	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Roxas Ice Plant	Barangay IV	3,000,000.00	5,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Market Complex (Market Main Building, Commercial 1, Commercial 2 and Bagsakan area)	Barangay IV	5,200,000.00	15,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Slaughter House, Hog Holding Pens, Staff house, Power house, Pump house, perimeter fence and Gate	Barangay IV	1,000,000.00	2,300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Municipal Recovery Facility and Office	Barangay IV	70,000.00	350,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Composting Facility	Barangay IV	500,000.00	1,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Power House (Landfill)	Barangay IV	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Guest House/ Evacuation Center	Barangay V Purao Island	30,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Multi-Purpose Hall	Barangay VI-Johnson Island	50,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
3	Repair of Covered Court (PGP)	Barangay New Barbacan	150,000.00	250,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Minara Bgy. Hall (Multi-Purpose Hall)	Barangay Minara	30,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Covered Gym (PGP)	Barangay Minara	1,500,000.00	2,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of E.C.C.D. Center	Barangay Minara	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Minara BHW/ BNS	Barangay Minara	30,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Multi Purpose Building	Barangay Minara	600,000.00	800,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Municipal Motorpool Complex	Barangay San Nicolas	250,000.00	5,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. San Nicolas Multi-Purpose Hall	Barangay San Nicolas	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Brgy. San Nicolas Women's Center	Barangay San Nicolas	60,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Covered Court (PGP)	Barangay Sandoval	350,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of SK Building	Barangay Sandoval	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Tiondonan Day Care Center	Barangay Sandoval	100,000.00	150,000.00	LGU/ NDRMF/	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
3	Repair of Brgy multi-purpose Building	Barangay Sto. Tomas (Iraan)	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Day care Center	Barangay Sto. Tomas (Iraan)	20,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Rehab/ reconstruction of Covered Court (PGP)	Barangay Sto. Tomas (Iraan)	4,500,000.00	10,000,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok Sagisag Day care Center	Barangay Sto. Tomas (Iraan)	20,000.00	40,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Dumarao KALAHI Building/ Evacuation Center	Barangay Dumarao	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Dumarao Disaster Center	Barangay Dumarao	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Dumarao Day Care/ Evacuation Center	Barangay Dumarao	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Dumarao Covered Court/ Evacuation Center	Barangay Dumarao	50,000.00	500,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Dumarao Barangay Hall/ Evacuation Center	Barangay Dumarao	50,000.00	150,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Dumarao Stockfile Day Care Center	Barangay Dumarao	20,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Subingao Daycare Center	Barangay Dumarao	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
3	Repair of Barangay Mendoza SK Building	Barangay Mendoza	5,000.00	15,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Covered Court (PGP)	Barangay Mendoza	45,000.00	150,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Senior Citizens Building	Barangay Mendoza	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Taliwara Day Care Center	Barangay Mendoza	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Guest House/ Evacuation Center	Barangay San Isidro	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of BEANS Office	Barangay San Isidro	50,000.00	70,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Covered Gym (PGP)	Barangay San Isidro	35,000.00	200,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Reconstruction of Multi-Purpose Building/Bgy. Hall Extension	Barangay San Isidro	60,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. Tumarbong Tumarbong Community Fish Landing Center	Barangay Tumarbong	20,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. Tumarbong Tumarbong Brgy. Hall	Barangay Tumarbong	20,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. Tumarbong Day care Center	Barangay Tumarbong	30,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. Tumarbong SK Building	Barangay Tumarbong	30,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					PRIVATE DONORS		
3	Repair of Brgy. Tumarbong Bahay Tuluyan	Barangay Tumarbong	10,000.00	20,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. Tumarbong VAWC Office	Barangay Tumarbong	35,000.00	60,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Covered Court (PGP)	Barangay Tumarbong	30,000.00	100,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. Tumarbong Purok Hall (Purok II)	Barangay Tumarbong	50,000.00	80,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Brgy. Tumarbong Old Brgy. Hall	Barangay Tumarbong	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Barangay Street Lights (3 Units)	Barangay Taradungan	300,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Purok 3 Daycare	Barangay Taradungan	10,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of Bgy. Antonino Multi-Purpose Building	Barangay Antonino	5,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of brgy. Bagong Bayan Barangay Hall	Barangay Bagong Bayan	150,000.00	300,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
3	Repair of brgy. Bagong bayan Senior Citizen Building	Barangay Bagong Bayan	30,000.00	50,000.00	LGU/ NDRMF/ PRIVATE DONORS	LGU	2022-2023
<b>Municipality of San Vicente</b>							
1	Repair of Municipal Gov't Center I, II, & III Bldg.	Poblacion	350,700	539,200	National / Province	LGU San Vicente	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair of Legislative Building	Poblacion	1,140,600	1,735,800	National / Province	LGU San Vicente	2022-2023
1	Repair of DILG Bldg	Poblacion	561,883	1,041,731.08	National / Province	LGU San Vicente	2022-2023
1	Repair of PNP Bldg	Poblacion	205,200	398,346.09	National / Province	LGU San Vicente	2022-2023
1	Repair of Municipal Engineering Office	Poblacion	305,800	459,900	National / Province	LGU San Vicente	2022-2023
1	Repair of Motorpool Bldg and other Facilities	Poblacion	2,008,600	3,023,296.57	National / Province	LGU San Vicente	2022-2023
1	Repair of MEEDO Bldg and Public Market Facilities	Poblacion	173,400	260,500	National / Province	LGU San Vicente	2022-2023
2	Repair of Day Care Center	Sto Niño	34,850	46,089.13	National / Province	LGU San Vicente	2022-2023
2	Repair of Barangay Hall	San Isidro	10,000	500,000	National / Province	LGU San Vicente	2022-2023
2	Repair of Day Care Center	San Isidro	20,000	30,000	National / Province	LGU San Vicente	2022-2023
2	Repair of Barangay Hall	New Agutaya	10,000	17,825	National / Province	LGU San Vicente	2022-2023
2	Repair of Barangay Hall	Kemdeng	83,260	215,548	National / Province	LGU San Vicente	2022-2023
3	Repair of Municipal Gym	Sto Niño	71,760.00	94,902	National / Province	LGU San Vicente	2022-2023
3	Repair of Municipal Gym	Alimanguan	349,122	1,982,782.39	National / Province	LGU San Vicente	2022-2023
3	Repair of Municipal Gym	San Isidro	100,000	700,000	National / Province	LGU San Vicente	2022-2023
3	Repair of Municipal Gym	New Agutaya	3,000,000	6,000,000	National / Province	LGU San Vicente	2022-2023



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
3	Repair of Session Hall	New Agutaya	40,000	60,000	National / Province	LGU San Vicente	2022-2023
3	Repair of Municipal Gym	Poblacion	1,756,850	2,596,500	National / Province	LGU San Vicente	2022-2023
3	Repair of Municipal Gym	Kemdeng	226,689	302,252	National / Province	LGU San Vicente	2022-2023
3	Repair of Municipal Gym	Port Barton	488,000	2,000,000	National / Province	LGU San Vicente	2022-2023
4	Repair of Material Recovery Facility	Sto Niño	20,280.00	26,820.30	National / Province	LGU San Vicente	2022-2023
<b>Municipality of Taytay</b>							
1	REPAIR OF MDRRMO EVACUATION CENTER	Poblacion	1,150,000.00	1,495,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So Arado - Covered Court	Poblacion	750,000.00	975,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Multi-Purpose Building/Covered Court	Bantulan	11,500.00	16,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Multi-Purpose Building/Evacuation Center	Beton	95,000.00	130,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Busybees Barangay Hall	Busy Bees	20,000.00	32,250.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Busybees Barangay Market (Talipapa)	Busy Bees	5,000.00	6,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Multi-Purpose Building Cum Evacuation Center	New Guinlo	24,000.00	30,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Day Care Center - Proper	New Guinlo	70,000.00	100,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Covered Court	New Guinlo	60,000.00	90,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Old Multi-Purpose Building	New Guinlo	60,000.00	90,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - SK HALL	Bato	25,000.00	32,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Grandstand Purok Norte	Bato	12,500.00	16,250.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Day Care Center Purok Ipil	Bato	5,000.00	6,000.00	Locally Funded	LGU Taytay	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair of Barangay Bato - Stage Purok Ipil	Bato	1,000.00	1,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Purok Hall (Ipil)	Bato	5,000.00	6,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Basketball Court Purok Ipil	Bato	10,000.00	13,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Purok Hall (Comalibongbong)	Bato	35,000.00	46,250.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Purok Hall (Norte)	Bato	26,000.00	34,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - BFARMC Hall Purok Ipil	Bato	7,000.00	10,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Evacuation Center	Bato	33,000.00	44,250.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - MRF Purok Norte	Bato	7,800.00	11,550.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Barangay Outpost	Bato	12,500.00	18,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Multi-Purpose Hall	Bato	5,000.00	6,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - DAY CARE CENTER	Bato	24,000.00	32,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Barangay Market	Bato	160,000.00	208,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Purok Hall (Sur)	Bato	20,000.00	27,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - MRF Purok Sur	Bato	6,500.00	8,775.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Grandstand Purok Sur	Bato	38,000.00	51,300.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Grandstand Purok Comalibongbong	Bato	15,000.00	18,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Grandstand Barangay Plaza	Bato	25,000.00	32,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Stage Purok Cansilayan	Bato	400,000.00	560,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Bato - Multi-Purpose Hall Purok Cansilayan	Bato	50,000.00	65,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Covered Court	Libertad	105,000.00	150,000.00	Locally Funded	LGU Taytay	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair of Barangay Libertad - Multi-Purpose Hall	Libertad	25,000.00	32,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Session Hall Building	Libertad	10,500.00	15,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Stage (So Malinao)	Libertad	7,500.00	10,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Open Hall (So Binuan)	Libertad	5,000.00	6,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Day Care Center (So Binuan)	Libertad	12,800.00	18,800.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Barangay Building	Libertad	1,000.00	1,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Day Care Center	Libertad	5,000.00	6,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Multi-Purpose Hall (Old Health Center)	Libertad	3,000.00	3,900.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Libertad - Multi-Purpose Hall & Stage (So. Malinao)	Libertad	14,000.00	20,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Paly - Basketball Court	Paly	60,000.00	81,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Paly - Purok 2 CDC	Paly	20,000.00	26,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Paly - Purok 1 CDC	Paly	10,000.00	13,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Paly - Covered Court	Paly	180,000.00	243,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Paly - Day Care Center Mess Hall & Play House	Paly	21,000.00	28,350.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Paly - Multi-Purpose Hall	Paly	65,000.00	87,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Paly - Barangay Hall	Paly	85,000.00	114,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Amogues Basketball Court	Calawag	22,000.00	29,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Amogues Purok Hall	Calawag	45,000.00	60,750.00	Locally Funded	LGU Taytay	2022-2023

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Repair of So. Amogues Stage	Calawag	45,000.00	60,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Caroroy - Stage and Basketball Ring & Post	Calawag	90,000.00	120,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So Calumpang - Stage	Calawag	55,000.00	76,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Paulangon - Multi-Purpose Hall	Calawag	20,000.00	26,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Meculium - Multi-Purpose Hall	Calawag	35,000.00	49,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Meculium - Stage	Calawag	30,000.00	37,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Delmar - Basketball Ring & Post	Calawag	22,000.00	34,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Pamantan - Day Care Center	Calawag	30,000.00	45,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Calabucay - Stage	Calawag	30,000.00	39,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Calabucay - Basketball Ring & Post	Calawag	24,000.00	33,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of So. Calabucay - Sitio Hall	Calawag	40,000.00	52,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Purok Miatacan - Basketball Ring & Post	Calawag	25,000.00	32,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Purok Miatacan - Purok Hall	Calawag	25,500.00	34,425.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Purok Bagong Silang -Stage	Calawag	45,000.00	60,750.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Purok Bagong Silang -Basketball Ring & Post	Calawag	25,000.00	32,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Purok Bagong Silang -Day Care Center	Calawag	115,000.00	149,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Calawag - Public Market	Calawag	350,000.00	472,500.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Calawag - Collection Booth	Calawag	30,000.00	42,000.00	Locally Funded	LGU Taytay	2022-2023
1	Repair of Barangay Calawag - Senior Citizen Building	Calawag	30,000.00	42,000.00	Locally Funded	LGU Taytay	2022-2023
<b>City of Puerto Princesa</b>							
1	Rehabilitation/Repair of Covered Gym	Barangay Babuyan,	3,474.38	12,750.00	NDRRMC / DILG	City Government	2022

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
		Puerto Princesa City				of Puerto Princesa	
1	Rehabilitation/Repair of Bgy. Hall	Barangay Bacungan, Puerto Princesa City	8,000.00	9,600.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Bacungan, Puerto Princesa City	7,968.17	29,241.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Bagong Bayan, Puerto Princesa City	197,519.79	724,843.25	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Bahile, Puerto Princesa City	80,000.00	260,000.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay Bahile, Puerto Princesa City	50,000.00	70,000.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Binduyan, Puerto Princesa City	9,213.02	33,809.25	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay Cabayugan, Puerto Princesa City	2,100,676.07	7,708,903.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Sabang Wharf Waiting Area	Barangay Cabayugan, Puerto Princesa City	20,906.20	76,720.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Information Center & Stage	Barangay Cabayugan, Puerto Princesa City	20,429.33	74,970.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Cabayugan, Puerto Princesa City	400,647.76	1,470,267.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym Extension & Stage	Barangay Conception,	195,537.01	717,567.00	NDRRMC / DILG	City Government	2022

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
		Puerto Princesa City				of Puerto Princesa	
1	Rehabilitation/Repair of Covered Gym	Barangay Conception, Puerto Princesa City	216,986.03	796,279.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Irawan Agricultural Trading Center	Barangay Irawan, Puerto Princesa City	19,295.38	70,808.75	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Irawan, Puerto Princesa City	195,537.01	717,567.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Langogan, Puerto Princesa City	250,081.97	917,732.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay Langogan, Puerto Princesa City	149,562.99	548,855.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Lucbuan, Puerto Princesa City	32,200.00	45,000.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of CDRRMO	Barangay Luzviminda, Puerto Princesa City	216,594.72	794,843.00	CDRRMO	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay Macarascas, Puerto Princesa City	1,500.00	386,400.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Macarascas, Puerto Princesa City	6,177.71	22,670.50	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay Manalo, Puerto Princesa City	120,000.00	360,000.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Manalo, Puerto Princesa City	13,994.03	51,354.25	NDRRMC / DILG	City Government of Puerto Princesa	2022

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Rehabilitation/Repair of Covered Gym	Barangay Mangingisda, Puerto Princesa City	38,496.76	141,272.50	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay Mangingisda, Puerto Princesa City	72,519.06	266,125.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Multi-purpose Hall	Barangay Mangingisda, Puerto Princesa City	15,856.78	58,190.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Barangay Market	Barangay Maoyon, Puerto Princesa City	395,847.94	1,452,653.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Old Barangay Hall	Barangay Maoyon, Puerto Princesa City	90,965.95	333,820.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Maruyogon, Puerto Princesa City	23,347.80	85,680.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Napsan, Puerto Princesa City	390,471.25	1,432,922.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Old Barangay Hall	Barangay Salvacion, Puerto Princesa City	65,134.31	239,025.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Salvacion, Puerto Princesa City	390,299.57	1,432,292.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of City Coliseum	Barangay San Pedro, Puerto Princesa City	45,541.56	167,125.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay San Rafael, Puerto Princesa City	229,153.43	840,930.00	NDRRMC / DILG	City Government of Puerto Princesa	2022

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Rehabilitation/Repair of Stock Room	Barangay San Rafael, Puerto Princesa City	4,710.23	17,285.25	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Mini City Hall	Barangay San Rafael, Puerto Princesa City	8,890.31	32,625.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay San Rafael, Puerto Princesa City	24,140.78	88,590.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Sicsican, Puerto Princesa City	245,374.67	900,457.50	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Sta. Lourdes, Puerto Princesa City	192,761.05	707,380.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of MRF	Barangay Sta. Lourdes, Puerto Princesa City	180,443.23	662,177.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Sta. Monica, Puerto Princesa City	72,519.06	266,125.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of New Green City Hall Building	Barangay Sta. Monica, Puerto Princesa City	4,251.00	15,600.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Covered Gym	Barangay Tagabinet, Puerto Princesa City	18,995.00	128,320.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Bgy. Hall	Barangay Tagabinet, Puerto Princesa City	2,630.58	9,653.50	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Rehabilitation/Repair of Old Public Market	Barangay Tagumpay, Puerto Princesa City	143,841.17	527,857.50	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022



**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
1	Rehabilitation/Repair of Covered Gym	Barangay Tanabag, Puerto Princesa City	5,740.28	21,065.25	NDRRMC / DILG	City Government of Puerto Princesa	2022
1	Power/generator house	CENRO OFFICE Sta. Monica Puerto Princesa	2,345,271.25	8,606,500.00	Insurance claim/PMS	DENR	2022
1	Procurement of Storage/Container Van and installation of railings as ground support for the storage/container van.	Barangay San Rafael, Puerto Princesa City	700,000.00	800,000.00	CDRRMF	CDRRMO	2022
1	Procurement and restoration of damaged streetlight posts and bulbs.	Puerto Princesa City	508,280.00	680,000.00	CED	CED	2022
2	Rehabilitation/Repair of Community Learning Center	Barangay Bahile, Puerto Princesa City	200,834.95	737,009.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
2	Rehabilitation/Repair of View Deck	Barangay Buenavista, Puerto Princesa City	48,208.25	176,911.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
2	Rehabilitation/Repair of Barangay Public Toilet	Barangay Langogan, Puerto Princesa City	633,087.55	2,323,257.05	NDRRMC / DILG	City Government of Puerto Princesa	2022
2	Rehabilitation/Repair of Barangay Waiting Area	Barangay Lucbuan, Puerto Princesa City	10,758.30	39,480.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
2	Rehabilitation/Repair of Stage & Tanod Outpost	Barangay Manalo, Puerto Princesa City	48,212.61	176,927.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
2	Rehabilitation/Repair of Barangay Public Toilet	Barangay Maruyugon, Puerto Princesa City	194,892.82	715,203.00	NDRRMC / DILG	City Government of Puerto Princesa	2022
2	Rehabilitation/Repair of Sangguniang Barangay Building	Barangay Napsan, Puerto Princesa City	390,164.14	1,431,795.00	NDRRMC / DILG	City Government of Puerto Princesa	2022

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
2	Rehabilitation/Repair of Training Center	Barangay San Rafael, Puerto Princesa City	14,987.50	55,000.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
2	Snake Island-National Coastal Marine Center Research, Puerto Princesa City	Puerto Princesa City	8,000.00	9,600.00	Insurance claim/PMS	DENR	2022- 2023
2	Inclined elevated watch/monitoring post and perimeter fence	Sta. Lourdes, Puerto Princesa	6,550,000.00	13,530,000.00	Insurance claim/PMS	DENR	2022
2	Felled Elevated watch/monitoring post	Anilawan, Babuyan, Puerto Princesa	16,000.00	19,200.00	Insurance claim/PMS	DENR	2022
2	Mini-multi purpose hall	Barangay Sta. Monica, Puerto Princesa City	5,148.62	18,894.00	Insurance claim/PMS	DENR	2022
2	Water tower	Bgy. Sta Lourdes and Anilawan cenro ppc	28,612.50	105,000.00	Insurance claim/PMS	DENR	2022
2	Procurement of Early Warning Systems	Barangay Langogan, Maoyon & Sta. Lourdes, Puerto Princesa City	799,200.00	1,000,000.00	CDRRMF	CDRRMO	2022
2	Procurement of new sets of communications equipment, tower, antenna, cable and repeater units.	Barangay Bacungan, Tinguiban, San Pedro, Irawan & Sta. Lourdes, Puerto Princesa City	888,000.00	1,050,000.00	CDRRMF	CDRRMO	2022
3	Rehabilitation/Repair of Plaza Cuartel	Barangay Liwanag, Puerto Princesa City	186,662.50	685,000.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
3	Rehabilitation/Repair of New Public Market	Barangay San Jose, Puerto Princesa City	10,000.00	12,000.00	LGU/City Government of	City Government	2022

**POST DISASTER NEEDS ASSESSMENT: TYPHOON ODETTIE 2021**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
					Puerto Princesa	of Puerto Princesa	
3	Rehabilitation/Repair of Irawan Bus & Jeepney Terminal	Barangay Irawan, Puerto Princesa City	7,000.00	8,400.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
3	Rehabilitation/Repair of MRF	Barangay Sta. Lucia, Puerto Princesa City	22,045.25	80,900.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
3	Rehabilitation/Repair of Forest Park- Leaning Pod	Barangay Sta. Monica, Puerto Princesa City	390,471.25	1,432,922.00	LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
3	Rehabilitation of Magarwakn Eco-Park Foot Bridge	Barangay Bacungan, Puerto Princesa City	91,517.08	335,842.50	DENR/LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
3	Rehabilitation of 3 Observatory Platform of Magarwak Eco-Park	Barangay Bacungan, Puerto Princesa City	377,412.50	1,385,000.00	DENR/LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
3	Rehabilitation of 4 Observatory Platform and Feeding Station of Irawan Wildlife Facility	Barangay Irawan, Puerto Princesa City	246,460.51	904,442.25	DENR/LGU/City Government of Puerto Princesa	City Government of Puerto Princesa	2022
3	Procurement of Food and Non-food Items to be prepositioned to Mini City Hall.	Puerto Princesa City	285,899.70	350,000.00	CDRRMF	CDRRMO	2022
<b>TOTAL</b>			<b>188,531,206.75</b>	<b>452,835,416.24</b>			

**POLICY AND PROGRAM RECOMMENDATION**

- Provision of alternative communication equipment to all LDRRMCs;

- Capacity building to all LDRRMCs on disaster prepared and response and Management of the Dead and Missing;
- Local government units to ensure that the rehabilitation and reconstructions of government facilities are disaster prone and compliant to building code;
- Intensify information, education and communication on hazards to high-risk communities; and
- Empower constituents to participate in building disaster resilient communities.

## 2.4.2 ENVIRONMENT ASSESSMENT

### DAMAGES, LOSES AND NEEDS ASSESSMENT

Typhoon Odette greatly affect the Palawan province particularly Puerto Princesa City. Initial assessment of the damages to our environment, particularly in our National Greening Program (NGP) Areas. Out of 1,150 hectares plantation established in 2017 and 2018, 931 has. were affected by typhoon Odette with a damaged cost amounting to PHP 97,211,107.84. Losses incurred from these damages amounted to PHP 19,442,221.57 or a total damaged incurred of PHP 116,653,329.41. The damaged plantations were located at Barangays Binduyan, San Rafael and Langogan, Pto. Princesa City, Palawan.

**Table 52. Summary of Damages, Losses and Needs Assessment in Environment Sector for Areas Affected by Typhoon Odette**

LGU	Damages (in PHP)	Losses (in PHP)	Needs (in PHP)
Puerto Princesa City	97,211,107.84	19,442,221.57	116,653,329.41

**Table 53. Priority ranking of projects, programs, and activities for recovery needs for environment Sub-sector**

Programs/ projects	Status (C, O, PL, P)	Criteria			Score	Rank
		Importanc e R x (Weigh) 1	Impact R x (Weigh) 2	Capacity R x (Weigh) 3		
National Greening Program 2017	P	3x1	2x1	3x3	14	1
National Greening Program 2018	P	3x1	2x1	3x3	14	1
National Greening Program 2017	P	3x1	2x1	3x3	14	1
National Greening Program 2018	P	3x1	2x1	3x3	14	1
National Greening Program 2017	P	3x1	2x1	3x3	14	1
National Greening Program 2018	P	3x1	2x1	3x3	14	1

## POLICY AND PROGRAM RECOMMENDATION FOR THE ENVIRONMENT SUB-SECTOR

- Immediate rehabilitation and restoration of damaged plantation under the National Greening Program;
- Immediate rehabilitation and restoration of protected area for the critically endangered species;
- Strict enforcement of forestry, biodiversity, and other environmental laws;
- Identify capacities and needs to engage in the environmental recovery process through consultations and studies.

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR ENVIRONMENT SUB-SECTOR

**Table 54. Reconstruction and recovery needs for environment sub-sector**

Rank	Priority Projects/Activities	Location	Amount		Funding Source	Implementing Agency	Timeline of Implementation Period
			Reported Damage	Recommended for Funding			
Forest and Watershed Management Sub-program							
Forest Development, Rehabilitation, Maintenance and Protection (ENGP)							
1	National Greening Program 2017	San Rafael (110 has)	3,285,000.00	3,942,000.00	DENR BUDGET/ Insurance claim	DENR	2023
1	National Greening Program 2018	San Rafael (65 has)	1,943,190.00	2,331,828.00	DENR BUDGET/ Insurance claim	DENR	2023
1	National Greening Program 2017	Binduyan (350 has)	9,671,906.00	11,606,287.20	DENR BUDGET/ Insurance claim	DENR	2023
1	National Greening Program 2018	Binduyan (70 has)	2,074,226.00	2,489,071.20	DENR BUDGET/ Insurance claim	DENR	2023
1	National Greening Program 2017	Langogan ( 265has)	78,101,675.84	93,722,011.01	DENR BUDGET/ Insurance claim	DENR	2023

1	National Greening Program 2018	Langogan ( 71 has)	2,135,110.00	2,562,132.00	DENR BUDGET/ Insurance claim	DENR	2023
<b>TOTAL</b>			<b>97,211,107.84</b>	<b>116,653,329.41</b>			

### 2.4.3 DRRM ASSESSMENT

#### UTILIZATION OF VARIOUS DRRM TOOLS PRIOR TO THE DISASTER

In preparation for Typhoon Odette, RDRRMC MIMAROPA conducted Pre-Disaster Risk Assessment (PDRA) Analyst and Core Group Meetings with the RDRRMC Response Cluster, other RDRRMC member agencies, and the provincial and city DRRM councils of MIMAROPA on December 13, 14, and 15, 2022. RDRRMC MIMAROPA similarly joined various NDRRMC-level PDRA meetings and virtual EOC briefings via video teleconferencing in preparation for the arrival of Odette.

It was established during these PDRA meetings that the MIMAROPA region will directly be on the path of the typhoon, and that Odette is similarly expected to make landfall in the Province of Palawan. Due to this, RDRRMC MIMAROPA resolved to raise the emergency preparedness and response protocols of the regional council and the MIMAROPA LDRRMCs, including that of Palawan Province and Puerto Princesa City, to Charlie Protocol.

The new PDRA guidelines issued by the NDRRMC merges the PDRA preparedness measures with the existing DILG Operation Listo for the local government units. This means that by raising the Charlie Protocol, the LGUs—through the supervision and monitoring of DILG MIMAROPA—are expected to elevate their critical and early preparedness actions against the disaster to the highest level and are mandated to implement pre-emptive or mandatory evacuation to ensure the safety of all communities against the anticipated severe effects of the tropical cyclone.

To support the preparations of the LGUs, RDRRMC MIMAROPA also issued various memoranda on the activation of the EOCs of all LDRRMCs and RDRRMC member agencies, conduct of PDRA and other emergency meetings at the local level, activation of the regional and local response clusters and incident management teams (IMT), and proper situation updating and monitoring from the barangay level to the regional DRRM council level.

In line with the required protocols and issuances on emergency preparedness and response, the Palawan Province and Puerto Princesa City LGUs and barangays activated their EOCs, response clusters, and IMTs; conducted their respective PDRA meetings; prepositioned their emergency response teams and mobilized response volunteers; conducted pre-emptive and forced evacuation; issued weather advisories and tropical cyclone bulletins; and, prepared their backup systems and protocols on communications, situational reporting, stockpiling, and other response measures.

#### CHALLENGES FACED

The onset of Typhoon Odette has been one of the greatest tests to DRRM in the Province of Palawan in recent years. Historically, Palawan is the least affected province against typhoons in the MIMAROPA region due to its geographical disposition of being shielded by various islands and land forms against impending typhoons. Due to this, many of those interviewed by the PDNA teams in the field related that it was their “first time” experiencing the wrath of a typhoon and that it was sort of their “own Yolanda experience.”

It is in this thread that despite the warnings and advisories issued by the government agencies against the impending effects of Odette, many of the affected communities were shocked with the wreckage brought by the typhoon. Pre-emptive evacuation was undertaken and local no-sail policies were implemented by the local government units as part of their preparedness measures but some people were skeptic and still refused to heed the warnings because based on their families and their elderlies’ previous experiences, Palawan is not susceptible to the effects of typhoons. This posed some issues in the actual implementation of evacuation and other early response measures because of some people’s hesitancy to believe the warnings of the local government units.

The Palawan PDRRMC also pointed out that some people were reluctant to seek shelter in identified evacuation centers because they felt safer in their own homes, and because some of the evacuation areas used were also affected by the flood, landslides, and gale-force winds.

One of the most crucial issues faced by Palawan and RDRRMC MIMAROPA after Typhoon Odette hit was the communications blackout in Puerto Princesa City—which was also the center of governance by PDRRMC Palawan—caused by damages to numerous electrical and communications facilities. This led to a gap in situation reporting from the province and city for 4-5 days. And while emergency telecommunications backup was present in the impact area, the limitedness of these backup systems (ie slow satellite data downloading and uploading and expensive satellite phone load, coupled with demand from both response agencies/offices and the general public) made capturing the whole disaster picture difficult.

The MIMAROPA region is already familiar with the challenges brought about by its island provinces, but the issue is further emphasized in Palawan where the province itself is archipelagic. The geographical disposition of Palawan and the presence of many geographically isolated and disadvantaged areas in the province has exacerbated not only the communications issues but the logistical drawbacks as well. Damages to airports in Palawan, particularly Puerto Princesa City and San Vicente Airports, led to difficulties in extending assistance via commercial airlines. On the other hand, shipping via water took at least two days and their travels were delayed until the vessels were full in capacity to maximize their trips. This is in addition to the fact that majority of the offices of the regional line agencies are located in Metro Manila, in the CALABARZON area, or in other MIMAROPA provinces which made it tougher to send further augmentation to Palawan.

OCD MIMAROPA, as the Logistics Cluster lead, sought the assistance of the NDRRMC, through the OCD Response and Operational Coordination Division, in



accessing military assets to transport goods and augmenting personnel to Palawan. However, due to the similar onslaught of Typhoon Odette in Regions 6, 7, 8, 10, and 13, the national resources were also spread thin and the requests for transportation were not easily granted.

Additionally, due to the extensive damages brought by Typhoon Odette, many of the transportation lifelines were blocked or damaged by debris from trees, posts, wires, and other debris blown away by the harsh winds. This included bridges and major road access from Puerto Princesa to the northern affected areas in Palawan. This caused issues in the mobilization of resources from both local and augmenting teams from outside Palawan and other unaffected Palawan municipalities.

Another issue identified specifically during interviews with various local government offices and barangays was the limitation in funding due to the pending turnover of the fiscal year to 2022, which either meant the near depletion of the 2021 funds or issues with funding continuous response operations and its spillover to the new financial year.

All of these are further complicated by the existing issues in executing response operations while still managing the spread of the COVID-19 pandemic. Local responders were then contending with not only the hardships brought by the actual response operations, the effects of Typhoon Odette on their own personal lives, but with the possibility of being infected by COVID-19 as well.

## LESSONS LEARNED AND RECOMMENDATIONS

Based on discussions with the local government units, the affected communities, and all members of the PDNA teams, OCD MIMAROPA was able to gather the following lessons learned and recommendations on significant DRRM concepts throughout the whole PDNA process:

- Prepositioning and effective response cluster coordination has been proven to be one of the critical keys in effective response in islands and geographically isolated areas such as in Palawan and Puerto Princesa City. OCD MIMAROPA, in close coordination with the AFP, PDRRMC Palawan, and CDRRMC Puerto Princesa, was able to preposition a total of 437 family packs, 3,420 hygiene kits, 800 blankets, 80 malongs, 240 boxes of face masks, 36 megaphones, 25 raincoats, 250 face shields, 11 generator sets, 418 bottles of alcohol in the City of Puerto Princesa and Province of Palawan prior to the arrival of the typhoon. PDRRMC Palawan and CDRRMC Puerto Princesa had then distributed these items to their respective municipalities and barangays which has supported the early response to the affected communities. Additional goods, equipment, and other items were also prepositioned by other members of the RDRRMC MIMAROPA Response Clusters in the Province of Palawan ahead of time, as it has already been confirmed as the soundest strategy in ensuring the sustainability of response operations in isolated areas.
- Additionally, given the physical geography of Palawan, it is also recommended to establish provincial, city, and municipal levels of RDANA and PDNA teams to expedite damage and needs assessment on the ground. This would allow



easier and quicker consolidation of data despite the geographical challenges, and would lessen costs and expenses for accommodating and augmenting validation teams.

- To build forward better, it is also imperative for all local government units to ensure effective DRRM planning to assist in the efficient and meaningful DRRM fund utilization and program implementation that responds to their respective community's needs. Risk-based and proactive DRRM planning and fund utilization will allow for the establishment of disaster-resilient evacuation centers, critical lifelines, and other infrastructure, procurement of better preparedness and response equipment and vehicles (e.g. mobile kitchens, response vehicles, heavy equipment for clearing, etc), and further investment on prevention, mitigation, rehabilitation, and recovery measures.
- Due to the overwhelming effects of the disaster and with the fact that even some of the responders' families were affected, the initial response of the government was limited to those who were readily accessible. It is with this old and renewed lesson that enhancing individual and family levels of preparedness should still remain to be the core of DRRM. Educating the communities to help themselves will always be the government's greatest form of augmentation and first response.
- Finally, another pleasant realization from such disasters is that the Bayanihan spirit is still alive, and that good will partnerships are built even in the face of disasters. Various forms of initial response in the Province of Palawan were due to the assistance of NGOs, CSOs, volunteer groups, and even private individuals who were more than willing to donate, assist, and support in the response operations and humanitarian actions. Neighboring municipalities in Palawan who were not or minimally damaged by the typhoon readily offered their assistance especially in the distribution of relief and in the clearing operations.

Based on the Palawan PDRRMC's collective experience, they were also able to come up with the following recommendations:

- For the concerned agencies to re-assess and study existing hazard maps and update risk maps to reflect possible changes based on the recent experience with Typhoon Odette, highlighting new potential hazards in the communities at risk;
- For all Palawan municipalities to be provided with and to utilize large motorized boats, M35-type trucks, and radio and satellite communications for a more effective and efficient evacuation and relief response operations;
- For the challenges brought by disaster waste management and debris removal to be turned into opportunities for the affected communities, where they could both be assisted and be utilized by employing them in cash-for-work programs to sustain clearing operations especially for interior barangays;

- For the Province of Palawan to establish three command centers (ie Northern, Central, and Southern Command Centers) and cluster adjacent municipalities accordingly to further empower and foster better coordination and working relationships among the clustered municipalities and the province; and,
- For the construction of evacuation centers be improved to ensure the safety of all its occupants despite all the harsh weather conditions, and to also encourage more community members to pre-emptively evacuate.

## 2.4.4 LIVELIHOOD AND EMPLOYMENT

### OVERVIEW

As per the Damage Assessment and Needs Analysis (DANA) gathered by the CDRRMO, the aftermath of Typhoon Odette brought about PHP 377.3 million worth of damages for Agriculture and Livelihood (encompassing crops, fisheries, aquaculture, coconuts, and livestock) PHP 23.85 million for Community Based Sustainable Tourism (CBST), and PHP 14.80 million for Micro, Small and Medium Enterprises (MSMEs). Agriculture and Livelihood, CBST, and MSME damages pertain to the assets and infrastructure damages declared/assessed by authorities of the respective livelihood establishments.

In light of the damages brought about by Typhoon Odette in the city, Puerto Princesa City Public Employment Service Office (City PESO), and Department of Labor and Employment Field Office Palawan (DOLE FO Palawan) independently conducted data gathering by profiling those who are deemed to be major employers, or People's Organization with significant number of members, whose livelihood undertaking are duly registered with the City's Business Permits and Licensing Office (BPLO). The City PESO conducted selective survey on establishments that are located in the Northern part of the city. The DOLE FO Palawan conducted random survey to those in the urban barangays of the city.

In the general sense, the conducted profiling seeks to understand how the organizations' respective livelihood were affected by Odette and how this further affected their respective employees / and members in terms of their status of employment and daily compensation. In some instances, however, the operation of the livelihood is not affected but the employees were declared as affected by the typhoon.

### IMPACT

The Typhoon Odette (Rai) ravaged some parts of Northern Palawan and almost all Rural Northern Barangays of Puerto Princesa. The devastation caused huge destruction to the dwellings of residents' businesses, livelihood such as fishing and farming and other government infrastructures including roads, bridges, and school buildings. Businesses which offer employment to residents were also not spared from this catastrophic event which affected their business operations and eventually, the employment of its workers. To determine the extent of effects of the calamity to the employment sector, the City PESO conducted an onsite assessment of the business

establishments to evaluate how this calamity affected its operation and to its people currently employed. Some of this establishments temporarily stopped their operation and thus, forced its employees to temporarily stopped reporting from work for a certain period. Others implemented shifting and rotation scheme; while there are employees who were forced to leave their work permanently for some personal reasons. Below is the matrix showing the data or information and estimated loss on income from employment brought about by Typhoon Odette:

**Table 55. Summary of Data Gathering under Livelihood and Employment**

LOCATION	NO. OF SURVEYED ESTABLISHMENTS	NO. OF AFFECTED EMPLOYEES	NO. OF DAYS CONSIDERED AS LOSS	ESTIMATED LOSS OF INCOME
Northern Barangays	60	380	12,417	3,973,440.00
Urban Barangays	61	1,283	8,981	2,873,920.00
<b>TOTAL</b>	<b>121 establishments</b>	<b>1,663 workers</b>	<b>21,398 days</b>	<b>PHP 6,847,360.00</b>

*Table 1 annotation: No. of days considered as loss\**

- The computation for employees' wage loss is PHP 320.00 / day*
- For the Northern Barangays, the number of days that were considered as loss were computed in consideration of the status of the establishment's work arrangement after the hit of the typhoon ranging from 4-43 days per employee.*
- For the Urban Barangays, the number of days were assumed to be at 7 days per establishment.*

Based on the data, a total of 1,663 workers were affected with an estimated loss of income for 21,398 days from employment, amounting to PHP 6,847,360.00. Other establishments visited were no longer operational due to pandemic and therefore, no longer offering employment at the time Typhoon Odette brought destruction. The negative effects of this calamity to the business operations are temporary, since some of these establishments like Yamang Bukid Farm in Barangay Bacungan continue its initial operation while starting to conduct repair and renovation of facilities. Majority of the Community-Based Sustainable Tourism sites (CBST) in various barangays hardly hit by the typhoon were totally damaged and thus, ceases its operation. Members of various cooperatives and associations manning these tourism destinations had to stop. While some of the sites are no longer operating due to pandemic.

The gathered data from the survey (as of 28 January 2022) is 121 establishments and it only represents 1.21% of the total 10,012 registered business establishments in the city including sari-sari stores and small business. It does not represent those who are from the informal sector. There was no standard profiling tool used by the City PESO and DOLE, and the consolidated data was only summarized / simplified as to the number of affected workers per establishment. The sample size is only a fraction of the total number of registered business establishments in the city,

and it is an insufficient representation of the general impact of Typhoon Odette to the overall population of employees.

## POLICY AND PROGRAM RECOMMENDATION FOR LIVELIHOOD AND EMPLOYMENT SUB-SECTOR

- Tulong Panghanap Buhay sa Ating Disadvantaged/Displaced Workers (TUPAD) of Department of Labor and Employment to have an allotment specifically for Puerto Princesa City affected employees.
- DOLE Integrated Livelihood Program (DILP) Kabuhayan Restoration intervention for livelihood that were severely affected by Typhoon Odette.
- Develop a standard “employment and livelihood” profiling instrument specifically for data gathering during OCD PDNA.
- Consider integration of above said questionnaire / profiling instrument with other related sectors with regard to livelihood (such as DTI, DA, DOTourism, among others).

## RECONSTRUCTION AND RECOVERY FRAMEWORK FOR LIVELIHOOD AND EMPLOYMENT SUB-SECTOR

**Table 56. Rehabilitation and recovery needs for Livelihood and Employment Sub-sector**

Rank	Priority Projects/Activities	Location	Amount (PHP)		Proposed Funding		Timeline	REMARKS
			Report of Loss	Recommended Funding	Funding Source	Implementing Agency		
1	Tulong Panghanap Buhay sa Ating Disadvantaged / Displaced Workers (TUPAD)	PUERTO PRINCESA CITY	6,847,360.00	6,847,360.00	DOLE	LGU- CITY PESO	1Q 2022	P
2	DOLE Integrated Livelihood Program (DILP) Kabuhayan Restoration	PUERTO PRINCESA CITY	-	13,000,000.00	DOLE	LGU- CITY PESO / LGU TOURISM	1Q 2022	P
3	Skills Training	PUERTO PRINCESA	-	700,000.00	LGU- CITY PESO	LGU-CITY PESO	3Q 2022	P
<b>TOTAL</b>			<b>6,847,360.00</b>	<b>20,547,360.00</b>				

### 2.4.5 HUMAN RECOVERY AND NEEDS ASSESSMENT

Based on the reported number of families affected, a total of 118,256 Families or 390,818 individuals were affected by the effects of Super Typhoon “Odette”. 46.58% of the total affected families were displaced and took temporary shelter to at least 613 activated evacuation centers, while 7.97% preferred to stay with their relatives, or make rentals.

Displaced families in the evacuation centers were immediately provided with food, clothing, and other basic necessities by the government, civil society organizations, and some private individuals. Health protocols in the evacuation centers were also implemented as a continuing measure to avoid the spread of the COVID-19 virus. Despite the number of damaged health units and hospitals, operations of health facilities remained functional. Sufficient safe water, medical supplies, and health care services were provided to the affected families. There was record of IDPs contracting common flu or flu-like symptoms; it was immediately treated, diagnosed and referred for provision of medical assistance.

The series of moderate to heavy rains with strong/gusty winds that prevails for 3 hours has led to destruction of lives and properties. At least 108 casualties were reported with 78 injured, 5 missing, and 25 confirmed deaths. Consequently, upon consolidation of reports gathered from the concerned LGUs a total of 80,897 houses were damaged, composed of 14,231 totally damaged houses and 66,666 partially damaged houses. Shelters along the coastal lines and mountainous areas of the province were washed out, leaving them with nothing to save.

Majority of the houses in the affected communities were made of light materials (bamboo, sawali, cogon and nipa). Some areas utilized the abundant sources available in their area such as coconut lumber, bamboo, nipa, and kugon. The DENR also announced that the trees destroyed during the onslaught of the typhoon will be donated to affected families with damaged houses so as to start the reconstruction of their homes. This also came from the directives of President Duterte, the scheme made it easier for victims to repair or rebuild their houses. However, families living in coastal and hilly areas prefers to rebuild their houses on the same area despite being prone to natural hazards because income and basic services are much more accessible

The aftermath of Super Typhoon “Odette” left various adversities to people who lost their homes, livelihood, and businesses. Sources of income were lost or delayed, which made it difficult to recover from the effects of the disaster. The typhoon destroyed the crops and trees which took years to harvest. Fisherfolk were not able to go on fishing because their bancas and other fishing tools were also destroyed, some were sunk. Likewise small-scale businesses were closed for a couple of days to give way on the rehabilitation and recovery of household goods and appliances that can be salvaged.

In relation to the effects of TY “Odette” in the province, the education sector did not escape the wrath of the typhoon. Infra and non-infrastructure facilities were also damaged. Both instructional and non-instructional facilities were affected including other materials needed in the delivery of quality education.

Based on the assessment and evaluation of the present condition of affected populace several programs and intervention are needed to be implemented to ensure that immediate recovery will take place. Provision of relief assistance such as food and non-food items to still needing communities/ families and individuals should be continuously given; Cash For Work to assist the greatly affected farmers and fisherfolks so they can have an income to support everyday needs and somewhat address financial difficulties particularly during lean season; temporary housing solution for households are totally destroyed; Cash assistance to support the repair and reconstruction of partially damaged houses; Livelihood assistance for farmers and fisherfolks so they can start re-farming and fishing; relocation for those living in danger zone and continuous provision of psychosocial intervention for families and individuals who suffered trauma and difficulty to cope due to great loss.

Amidst the worldwide health crisis and natural calamities, the concerned government and non-government organizations take efforts to better meet the emergent needs of catastrophe to victims and communities. The national government continuously mobilized all the available resources and continuously recommends policies that will fit to the current trend that challenge the capacities of the government to respond not only to the regular needs but also in provision of timely, accurate and effective intervention to support the immediate and long-term needs of the affected populace, may it be pandemic, natural disaster and human induced conflict.

## **2.4.6 MACROECONOMIC IMPACT**

### **MIMAROPA Gross Regional Domestic Product (GRDP)**

Based on the 2020 regional accounts released by PSA, the region's economy contracted from 4.3% in 2019 to -7.6% in 2020 (refer to Table 57). This was the first time since 2001 that the regional economy has plunged and when PSA revised and rebased the regional accounts.

The negative growth rate in 2020 was the lowest rate achieved by the region over the last two decades, beating the next-worst region's economic performance of 0.8% growth rate in 2010. This negative growth, nonetheless, was still higher by 2.0 percentage points than the national average of -9.6% in 2020.

Similar to 2019, the 2020 target in the updated regional development plan (RDP) which was set at a range of 5.3% to 6.3% was not achieved.

Among the 17 regions that posted contracted growths, MIMAROPA ranked 6<sup>th</sup>, whereas Bangsamoro Autonomous Region in Muslim Mindanao (BARMM) ranked 1<sup>st</sup> – in terms of growth rate.

On the other hand, MIMAROPA ranked 13<sup>th</sup> among regions with a significant decrease in growth rate from 2019 to 2020 with 11.9 percentage points. Central Luzon, National Capital Region, and Cagayan Valley were the top three regions with significant decrease in growth rate.

All major sectors contracted, where deceleration in the industry and services sectors weighed heavily on the region's economy. Among the major sectors, services recorded the lowest contraction of 9.2%. This was followed by Industry Sector with -8.2%, and agriculture, forestry, and fishing with -2.2%.

This can be attributed to the effect of the COVID-19 pandemic and the imposition of community quarantine in the entire country. Generally, guidelines on community quarantine allows private and commercial establishments offering basic necessities to remain operational. These include establishments providing services related to food, health, banking, and financial remittances, basic utilities on communications, power, and water, among others. This means that losses in these sectors are likely to be lower.

**Table 57. Economic Performance by Sector and Subsector, Palawan, 2019-2020 (at constant 2018 prices, in percent except GVA)**

Sector/Subsector	2019 GVA (In P'000)	2020 GVA (In P '000)	Contribution to GRDP growth	Percent distribution		Growth Rate	
			19-20	2019	2020	18-19	19-20
Agriculture, hunting, forestry,	70,293,568	68,770,540	-0.4	18.2	19.2	4.7	-2.2
Industry sector	136,989,190	125,715,307	-2.9	35.4	35.2	2.2	-8.2
Mining and	38,672,878	34,587,581	-1.1	10.0	9.7	-1.5	-10.6
Manufacturing	52,385,393	52,147,874	-0.1	13.5	14.6	14.2	-0.5
Electricity, steam, water, and waste management	14,630,393	15,058,696	0.1	3.8	4.2	10.3	2.9
Construction	31,300,526	23,921,156	-1.9	8.1	6.7	-12.1	-23.6
Service sector	179,500,874	162,900,159	-4.3	46.4	45.6	5.8	-9.2
Wholesale and retail trade; repair of motor vehicles and motorcycles	49,634,335	48,799,782	-0.2	12.8	13.7	10.4	-1.7
Transportation and storage	23,975,062	16,915,896	-1.8	6.2	4.7	-2.2	-29.4
Accommodation and food service activities	13,180,609	7,182,300	-1.6	3.4	2.0	7.0	-45.5
Information and communication	11,375,856	12,155,294	0.2	2.9	3.4	8.6	6.9
Financial and insurance	17,380,711	18,356,994	0.3	4.5	5.1	10.2	5.6
Real estate and ownership of dwellings	11,166,215	9,837,779	-0.3	2.9	2.8	2.1	-11.9
Professional and business services	3,653,060	3,239,280	-0.1	0.9	0.9	5.2	-11.3



Sector/Subsector	2019 GVA (In P'000)	2020 GVA (In P '000)	Contribution to GRDP growth	Percent distribution		Growth Rate	
			19-20	2019	2020	18-19	19-20
Public administration and defense, compulsory social security	11,586,089	12,083,565	0.1	3.0	3.4	6.1	4.3
Education	19,915,028	18,674,795	-0.3	5.1	5.2	-0.8	-6.2
Human health and social work	5,887,729	5,505,876	-0.1	1.5	1.5	10.7	-6.5
Other services	11,746,179	10,148,598	-0.4	3.0	2.8	8.0	-13.6
Gross Regional Domestic Product	386,783,632	357,386,005	-7.6	100.0	100.0	4.3	-7.6

Source: Philippine Statistics Authority MIMAROPA

On the other hand, non-essential establishments engaged in wholesale and retail trade, transportation, recreation and entertainment, hotel and accommodations, restaurants, tourism-related businesses, manufacturing, and services activities on non-food and health sectors recorded significant losses.

All subsectors suffered reversal growth except for the following: a) electricity, steam, water, and waste management; b) information and communication; c) financial and insurance activities; and d) public administration and defense and compulsory social activities. These subsectors still managed to increase at a slower pace. Accommodation and food service activities recorded the highest decline with 45.5%.

The industry sector declined by 8.2% in 2020 from 2.2% growth in 2019, thereby contributing 0.1 percentage point to the -7.6% GRDP growth and making up 35.2% of the region's economy. All of industry's subsectors recorded contracted growth except electricity, steam, water and waste management with a slowdown growth of 2.9% in 2020. An increase in household consumption for basic utilities was reported during the quarantine period as more individuals stayed at home.

Services remained the biggest contributor to the region's economy with a 45.6% share in 2020, slightly lower than its 46.4% share in 2019. Only three of its subsectors registered slowdown growth: a) information and communication with 6.9% from 8.6% in 2019; b) financial and insurance activities with 5.6% to 10.2% in 2019; and c) public administration and defense and compulsory social activities with 4.3% from 6.1% in 2019.

This can be attributed to the surge in using digital financial platforms during the community quarantine, especially in its early period of implementation. Bangko Sentral ng Pilipinas (BSP) Governor Benjamin E. Diokno during the Sulong Pilipinas 2021 Partners for Progress Forum held on April 26, 2021, reported an increase in the use of national retail payment system such as PESONet and InstaPay.

The opening and use of digital accounts, like e-wallet and online banking accounts, recorded a significant increase in the volume and value of payments made



in 2020 compared to 2019. This can be attributed to the transition from physical banking to digital banking transactions as a result of limited mobility and social distancing measures for the management of the COVID-19 situation. Further, more individuals opened bank accounts to receive cash assistance from the government.

Further, a 30-day grace period for all loans with principal and/or interest due within the enhanced community quarantine (ECQ) period without incurring interest, fees, and penalties given by various government financial institutions such as the Government Service Insurance System (GSIS), Social Security System (SSS), and PAG-IBIG Fund. The deferment of loan payments lasted for about 3 months. The increased budget allocation for defense to support the Government's pursuit in attaining inclusive and sustainable peace, order, and security and the implementation of the second tranche of the Salary Standardization Law of 2019, which grants salary increase to government employees in 2020, contributed to the increase in growth but at a slower pace.

Agriculture, forestry, and fishing plunged from 4.7% in 2019 to -2.2% in 2020, contributing -0.4 percentage point to the MIMAROPA's economic growth.

### Palawan Gross Domestic Product (GDP)

For Palawan, based on the 2020 Provincial Product Account released by PSA, the province's economy contracted from 4.7% in 2019 to -7.1% in 2020, contributing -3.4 percentage points to the MIMAROPA's economic growth (refer to Table 58). This decline was higher by 0.5 percentage point compared to the region's average of -7.6%.

Among the five MIMAROPA provinces, Palawan including Puerto Princesa City, was the biggest contributor to the region's economy with 48.2% share in 2020, higher than its 47.9% share in 2019. This was followed by Oriental Mindoro and Occidental Mindoro with 26.5% and 12.7% share, respectively. Romblon was the least contributor to the region's economy with 7.2%. Further, Palawan recorded the highest share in all major sectors.

All provinces posted contracted growths; Palawan ranked 2nd; while Occidental Mindoro ranked 1st – in terms of growth rate. On the other hand, Romblon, Marinduque, and Oriental Mindoro were the top three MIMAROPA provinces with a significant decrease in growth rate from 2019 to 2020 recording -8.8 percentage points, -6.0 percentage points, and -3.4 percentage points, respectively.

**Table 58. Economic Performance by Sector and Subsector, MIMAROPA, 2019-2020 (at constant 2018 prices, in percent except GVA)**

Sector/Subsector	2019 GVA (In P'000)	2020 GVA (In P '000)	Contribution to growth	Percent distribution		Growth Rate	
			19-20	2019	2020	18-19	19-20
Agriculture, hunting, forestry, and fishing	33,382,898	34,011,965	0.3	18.0	19.8	7.8	1.9

Sector/Subsector	2019 GVA (In P'000)	2020 GVA (In P '000)	Contribution to growth	Percent distribution		Growth Rate	
			19-20	2019	2020	18-19	19-20
Industry sector	74,829,275	70,171,626	-2.5	40.4	40.8	1.9	-6.2
Mining and quarrying	38,173,963	34,157,355	-2.2	20.6	19.8	-1.6	-10.5
Manufacturing	23,823,468	23,647,173	-0.1	12.9	13.7	10.5	-0.7
Electricity, steam, water, and waste	5,986,129	6,412,882	0.2	3.2	3.7	13.5	7.1
Construction	6,845,716	5,954,216	-0.5	3.7	3.5	-12.2	-13.0
Service sector	77,057,622	67,974,252	-4.9	41.6	39.5	6.1	-11.8
Wholesale and retail trade; repair of motor vehicles and motorcycles	17,040,489	16,917,769	-0.1	9.2	9.8	14.3	-0.7
Transportation and storage	12,515,705	7,875,188	-2.5	6.8	4.6	-3.2	-37.1
Accommodation and food service activities	7,145,036	3,638,502	-1.9	3.9	2.1	12.8	-49.1
Information and communication	6,774,544	7,167,067	0.2	3.7	4.2	8.1	5.8
Financial and insurance activities	5,948,244	6,616,818	0.4	3.2	3.8	10.2	11.2
Real estate and ownership of dwellings	5,788,689	5,224,036	-0.3	3.1	3.0	3.0	-9.8
Professional and business services	1,571,839	1,560,773	0.0	0.8	0.9	1.6	-0.7
Public administration and defense, compulsory social security	4,989,091	5,247,710	0.1	2.7	3.0	3.9	5.2
Education	6,858,495	6,379,788	-0.3	3.7	3.7	-2.5	-7.0
Human health and social work activities	1,984,021	1,882,894	-0.1	1.1	1.1	6.9	-5.1
Other services	6,441,469	5,463,708	-0.5	3.5	3.2	9.2	-15.2
Gross domestic product of Palawan Province and PPC	185,269,796	172,157,843	-7.1	100.0	100.0	4.7	-7.1

Source: Philippine Statistics Authority MIMAROPA

Note: Includes Puerto Princesa City (PPC)

All major sectors contracted except for agriculture, forestry, and fishing – which still managed to increase at a slower pace of 1.9% in 2020 from 7.8% in 2019. Services recorded the lowest contraction of -11.8%, while industry sector declined by -6.2%. The reversal in growth in the industry and services sectors weighed heavily on Palawan's economy. Imposition of community quarantine in the entire country due to the COVID-19 pandemic resulted to interrupted supply chain and logistics challenge, which disrupted the province's economic activities.

All subsectors suffered contraction except for electricity, steam, water and waste management, and information and communication – which still managed to increase at a slower pace. Among the subsector, only financial and insurance activities and public administration and defense, compulsory social activities accelerated by 11.2% and 5.2% in 2020, respectively. Accommodation and food service activities recorded the highest decline with 49.1%. This was followed by transportation and storage and other services with -37.1% and -15.2%, respectively.

Industry remained the biggest contributor to the province's economy with a 40.8% share in 2020, slightly higher than its 40.4% share in 2019. It declined by -6.2% in 2020 from 1.9% growth in 2019, thereby contributing -2.5 percentage points to the -7.1% Palawan's GDP growth. All of industry's subsectors recorded contracted growth except electricity, steam, water and waste management with slowdown growth of 7.1% in 2020.

Services contracted by -11.8% in 2020 from 6.1% growth in 2019. This constitutes to a 39.5% share in 2020 or slightly lower than its 41.6% share in 2019. All services subsectors recorded reversals in growth, except for the following: information and communication that registered slowdown growth of 5.8% in 2020 from 8.1% in 2019; financial and insurance activities with 11.2% growth rate in 2020 from 10.2% in 2019; and public administration and defense compulsory social activities grew by 5.2% in 2020 from 3.9% in 2019.

Agriculture, forestry, and fishing grew at a slower pace with 1.9% growth rate in 2020 from 7.8% in 2019, contributing 0.3 percentage point to Palawan's economic growth.

### **Damages, Losses, and Needs**

Typhoon Odette wreaked havoc in the central and northern portions of Palawan leaving behind a total estimated damages of PHP 4.40 billion (refer to Table 18).

Among the four major sectors, social sector recorded the most damages amounting to PHP 2.26 billion or 51.31% of the total damages. This was followed by productive sector with PHP 1.48 billion or 33.75%, infrastructure sector with PHP 371.26 million or 8.44%, and cross sectoral with PHP 285.74 million or 6.50%.

The total estimated losses in the region reached PHP 4.24 billion. The productive sector reported the highest amount of losses at PHP 2.09 billion or 49.33% of the total losses. This was followed by losses in social sector with PHP 2.03 billion or 47.74%, infrastructure with PHP 99.55 million or 2.35%, and cross sectoral with PHP 24.79 million or 0.58%.

The rehabilitation and recovery needs of Palawan from 2021 to 2028 amounted to PHP 24.99 billion. Among the four major sectors, social sector registered the highest rehabilitation and recovery needs amounting to PHP 20.93 billion or 83.78% of the total rehabilitation and recovery needs. This was followed by the productive sector with PHP 2.36 billion or 9.44%, infrastructure sector with PHP 1.12 billion or 4.50%, and cross sectoral with PHP 569.49 million or 2.28%.

**Table 59. Summary of damages, losses, and needs by sector and subsector, Palawan, 2021-2028 (in Pesos)**

Sector/Subsector	Damages (in ₱)	Losses (in ₱)	Needs (in ₱)
<b>Productive</b>	<b>1,484,802,001.63</b>	<b>2,093,964,266.40</b>	<b>2,359,363,956.66</b>
Agriculture and Fisheries	1,077,463,571.63	1,796,911,599.39	1,784,262,265.79
Crops	213,209,474.29	1,298,410,589.89	852,747,372.00
Livestock and Poultry	0.00	62,642,098.50	106,351,405.00
Fisheries	814,894,414.58	435,738,911.00	748,491,250.00
Forest / Agroforestry	0.00	0.00	0.00
Irrigation Facilities	33,425,682.76	120,000.00	45,561,738.79
Agricultural Assets	15,934,000.00	0.00	31,110,500.00
Mining and Quarrying	3,695,000.00	274,000.00	4,718,750.00
Industry, Trade, and services	61,184,736.00	79,237,965.00	106,163,134.00
Tourism and Culture	342,458,694.00	217,540,702.01	464,219,806.87
<b>Social</b>	<b>2,257,131,557.92</b>	<b>2,026,205,559.80</b>	<b>20,933,876,511.11</b>
Education	694,240,222.18	4,737,500.00	1,223,457,251.03
Health	39,938,478.77	864,818.55	54,841,760.07
Housing	1,522,952,856.97	2,020,603,241.25	19,655,577,500.00
<b>Infrastructure</b>	<b>371,261,933.90</b>	<b>99,554,511.46</b>	<b>1,124,942,363.17</b>
Water Supply	35,397,228.00	48,955,280.03	51,673,265.92
Power	57,266,405.90	39,764,228.35	115,642,994.87
Transportation	257,833,800.00	10,809,503.08	913,833,402.38
Roads	81,098,625.00	6,792,503.08	302,782,549.20
Bridges	159,980,000.00	3,847,000.00	572,198,791.13
Airports	0.00	0.00	0.00
Seaports	16,755,175.00	170,000.00	38,852,062.05
Land-based assets- Equipment and Machineries	0.00	0.00	0.00
Flood Control	20,764,500.00	25,500.00	43,792,700.00
Telecommunication	0.00	0.00	0.00
<b>Cross-Sectoral</b>	<b>285,742,314.59</b>	<b>24,792,723.87</b>	<b>569,488,745.65</b>
Governance	188,531,206.75	5,350,502.30	452,835,416.24
Environment	97,211,107.84	19,442,221.57	116,653,329.41
<b>Total</b>	<b>4,398,937,808.04</b>	<b>4,244,517,061.53</b>	<b>24,987,671,576.59</b>

Source : DA MIMAROPA, DILG MIMAROPA, DPWH MIMAROPA, DSWD MIMAROPA, and Palawan PDNA for Areas Affected by Typhoon Odette

Despite the devastation caused by Typhoon Odette, the region's target economic growth rate in 2022 may still be achieved. Possible losses will be compensated by the gains from the proposed rehabilitation and recovery interventions to be implemented in 2022 and beyond. Further, some losses in other sectors will also be considered as gains to other sectors.

Among the three major sectors of economy, recorded losses (in value added terms, current prices) in the services sector was the highest amounting to PHP 1.42 billion (refer to Table 19). This included estimated losses from transportation, housing, human health, and social work activities, education, tourism, and industry, trade, and services relative to accommodation/lodging, food services subsectors.

This was followed by estimated losses (in value added terms, current prices) in agriculture, forestry, and fishing sector amounting to PHP 925.04 million. These included estimated losses from unsold agricultural commodities, higher production cost, clearing of debris, repair of irrigation facilities.

Estimated losses (in value added terms, current prices) in the industry sector amounted to PHP 34.91 million. This included estimated losses in mining and quarrying, power, water, and relative to infrastructure of flood control and governance.

In terms of needs (in value added terms, current prices), a total of PHP 2.42 billion was estimated for the implementation of rehabilitation and recovery programs, projects, and activities (PPAs) in 2022 and losses from other sectors as a result of clearing operations. This included rehabilitation and recovery PPAs in: a) agriculture, forestry, and fisheries amounting to PHP 769.58 million; b) industry amounting to PHP 793.80 million; and c) services amounting to PHP 852.34 million.

### Impact to MIMAROPA GRDP and Palawan GDP

Assuming that all proposed PPAs for 2022 will be funded and implemented in Palawan, MIMAROPA's economy is still expected to grow by as much as 3.9% to 4.8% in 2022 despite losses from Typhoon Odette (refer to Table 60). This exceeds the GRDP target growth rate, which was set at 3.6%-4.5% in 2022.

**Table 60. Impact of losses incurred to GRDP by industry, MIMAROPA, 2022 (in Pesos, except growth rate in percent)**

GRDP/ Sector	Constant Price (Original Projection)		Estimated Losses (in current prices)		Constant Price (Revised Projection)		Growth Rate (Original Projection)		Growth Rate (Revised Projection)	
	Low	High	Output	GVA	Low	High	Low	High	Low	High
GRDP	383,787,248,827	390,402,170,295	4,244,017,062	2,376,385,938	384,421,945,283	391,174,317,185	3.6	4.5	3.8	4.7
Agriculture, Forestry, and Fisheries	69,459,964,664	70,152,827,854	1,815,853,821	924,782,105	68,868,564,081	69,561,427,272	0.5	1.0	-0.4	0.1
Industry	132,079,644,417	134,669,379,741	94,369,511	34,913,542	133,015,062,626	135,604,797,950	2.5	3.5	3.2	4.2
Services	183,034,618,652	186,504,392,039	2,333,793,730	1,416,690,291	182,538,318,576	186,008,091,963	6.0	7.0	5.7	6.7

Note: Initial estimation made by NEDA MIMAROPA

Moreover, Palawan's economy is also expected to grow by as much as 3.8% to 4.7% in 2022 despite losses from Typhoon Odette (refer to Table 61).

The region's agriculture sector is projected to grow at a slower pace by 0.3% to 0.8%, which is below the target growth rate set at 0.5% to 1.0%. For Palawan, this sector is projected to grow at a slower pace by 3.2% to 4.0%.

**Table 61. Impact of losses incurred to GDP by industry, Palawan, 2022 (in Peso, except growth rate in percent)**

GDP/Sector	Constant Price		Estimated Losses (in current prices)		Constant Price (Revised Projection)		Growth Rate (Original Projection)		Growth Rate (Revised Projection)	
	Low	High	Output	GVA	Low	High	Low	High	Low	High
GDP	184,875,692,071	188,062,192,374	4,244,517,061.53	2,376,640,579.40	185,158,776,257	188,345,276,560	3.6	4.5	3.8	4.7
Agriculture, Forestry, and Fisheries	36,524,537,482	37,154,071,026	1,816,353,820.96	925,036,746.28	36,356,376,848	36,985,910,393	3.6	4.5	3.2	4.0
Industry	75,355,427,582	76,654,246,752	94,369,510.68	34,913,542.47	76,325,329,344	77,624,148,513	3.6	4.5	5.0	5.8
Services	72,995,727,007	74,253,874,596	2,333,793,729.89	1,416,690,290.65	72,477,070,066	73,735,217,654	3.6	4.5	2.9	3.8

Note: Initial estimation made by NEDA MIMAROPA

The region's industry sector is projected to grow by 3.2% to 4.2% despite losses from the disaster. This will exceed the 2.5% to 3.5% target growth rate for the sector. For Palawan, this sector is also projected to increase by 5.0% to 5.8%.

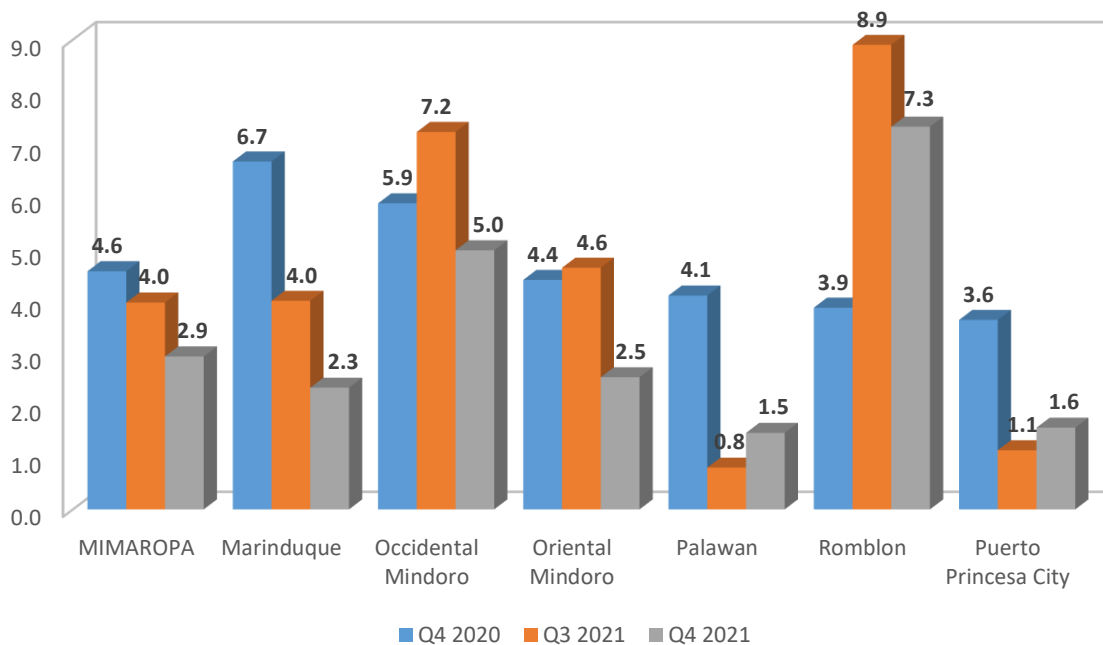
The region's services sector is projected to grow at a slower pace by 5.7% to 6.7%. This is below the 6.0% to 7.0% target growth rate for the sector. For Palawan, this sector is also projected to grow at a slower pace by 2.9% to 3.8%.

## Prices

Based on the rebased Consumer Price Index (CPI) released by PSA, MIMAROPA's average inflation rate decreased to 2.9% in October to December 2021 from previous year's 4.6%. This was also lower than the previous quarter's 4.0%. All provinces registered lower inflation rates in October to December 2021. Romblon registered the highest inflation rate at 7.3%. This was followed by Occidental Mindoro and Oriental Mindoro with 5.0% and 2.5%, respectively. Palawan recorded the lowest inflation rate with 1.5%.

MIMAROPA's inflation decreased by 0.7 percentage point from 3.2% in October to 2.5% in December 2021. This may be attributed to the slow price increase of all commodity groups, particularly alcoholic beverages and tobacco.

For the province of Palawan, the average inflation rate eased to 1.5% in October to December 2021 from previous year's 4.1%. This was, however, higher than the previous quarter's 0.8%. Among the five provinces, Palawan recorded the lowest inflation rate of 1.5% in October to December 2021 (refer to Figure 7). This was also lower by 1.4 percentage point compared to MIMAROPA's average inflation rate of 2.9%.

**Figure 2. Inflation rate by quarter and province, MIMAROPA, 2020-2021**

Source: Philippine Statistics Authority

Palawan's inflation increased by 1.3 percentage point from 0.7% in October to 2.0% in December 2021, possibly due to the holiday demand and impact of Typhoon Odette that may have caused temporary rise in food prices. Further, the increase in international crude oil prices in the fourth quarter of 2021 compared to the previous year translated to increased local prices of petroleum products, thus higher non-food inflation.

All commodity groups registered slower price movements compared to previous year's index levels, except transport (6.4%) and financial services (39.5%), which contributed to Palawan's 1.5% average inflation rate in October to December 2021 (refer to Table 62).

**Table 62. Consumer price index, inflation rate, and purchasing power of peso, Palawan, 2020-2021**

Item	Period			Percent Change	
	2020	2021		Q4- 2020/2019	Q4- 2021/2020
	Q4	Q3	Q4		
Average Consumer Price Index (All Items)	107.6	107.4	109.2	4.1	-2.6
Food	102.2	99.5	102.4	3.4	-3.2
Food and Non-Alcoholic Beverages	102.6	100.3	103.1	3.4	-3.0
Alcoholic Beverages and Tobacco	174.7	189.2	189.9	12.6	-3.8
Non- Food	109.9	111.3	112.2	4.24	-2.2
Clothing and Footwear	117.0	122.8	123.5	11.4	-5.9
Housing, Water, Electricity, Gas, and Other Fuels	105.1	104.9	105.5	3.1	-2.8



Furnishing, Household Equipment and Routine Maintenance of the House	114.6	116.9	117.8	6.7	-3.9
Health	124.0	127.3	127.6	11.4	-8.6
Transport	108.3	111.6	113.7	-1.4	6.4
Information and Communication	102.7	99.9	99.5	2.6	-5.7
Recreation and Culture	114.7	114.9	115.6	5.1	-4.3
Education	114.0	114.0	114.0	2.9	-2.9
Restaurant and Miscellaneous Goods and Services	115.5	114.6	116.0	4.8	-4.4
Financial Services	100.0	139.5	139.5	0.00	39.5
Personal Care, and Miscellaneous Goods and Services	111.5	113.9	115.0	5.9	-2.8
Average Inflation Rate (%)	4.1	0.8	1.5	5.0	-2.6
Average Purchasing Power of Peso	0.93	0.93	0.91	-4.1	-1.4

Source: Philippine Statistics Authority

Alcoholic beverages and tobacco's index contracted by -3.8% in October to December 2021 compared from previous year's 12.6%. It also recorded the highest CPI of 189.9 On the other hand, information and communication registered the lowest CPI of 99.5.

Meanwhile, food inflation contracted to -3.2% in October to December 2021 from 3.4% in October to December 2020. The increase in food commodity prices was driven by increases in corn (37.6% from 16.9%), vegetables (22.5% from -2.8%), oils and fats (10.5% from 1.1%), and meat (8.3% from 1.2%).

Corn inflation ticked higher to 37.6% because of high international price of oil and fertilizers, along with increasing global demand. Vegetables increased to 22.5% due to supply disruptions of highland vegetables and logistics challenges due to weather disturbances that occurred in the province. Meanwhile, meat prices picked up as seasonal demand during the holidays.

The adverse effects of typhoons in the region, particularly in the prices of basic commodities, were controlled by the implementation of mandatory price freeze on basic necessities and prime commodities. This was evident particularly in the entire province of Palawan after it was placed under a state of calamity. Temporary price increase in food items and other necessities in the coming period are expected due to the impacts of agricultural damage and supply disruptions brought by Typhoon Odette.

The purchasing power of peso in Palawan decreased from last year's 0.93 to 0.91.

## Labor Force

In terms of labor force situation, the region's working age population increased by 0.97% from 2,055,000 in October 2020 to 2,075,000 in October 2021 (refer to Table



63). The labor force participation rate also increased by 0.82 percentage point from 62.0% in October 2020 to 62.8% in October 2021.

Employment rate decreased by 2.11 percentage points from 92.1% in October 2020 to 90.0% in October 2021. The region's employment rate was also lower by 2.59 percentage points compared to the national average employment rate of 92.6%.

**Table 63. Labor and Employment Statistics, MIMAROPA, 2020-2021**

ITEM	2020	2021		Percent Change/ Difference (2021/2020)
	Oct	Jul	Oct	
Population 15 years old & above (in '000)	2,055	2,088	2,075	0.97
LF Participation Rate (%)	62.0	62.8	62.8	0.82
Employment Rate (%)	92.1	92.9	90.0	(2.11)
Unemployment Rate (%)	7.9	7.1	10.0	2.11
Underemployment Rate (%)	22.2	31.2	26.6	4.40

Source: Philippine Statistics Authority

On the other hand, the region's unemployment rate of 10.0% was higher by 2.59 percentage points compared to the national average unemployment rate of 7.4%. This was also higher by 2.11 percentage points compared to October 2020's 7.9%. From 2016-2021 quarterly result of the Labor Force Survey, the unemployment rate in October 2021 was the second highest unemployment rate recorded in the region following the 15.3% unemployment rate reported in April 2020. This was mainly attributed to the imposition of community quarantine in the region due to COVID-19 and weather disturbances and typhoons that hit the region and affected the productivity of farmers and fishermen.

Underemployment rate increased by 4.40 percentage points from 22.2% in October 2020 to 26.6% in October 2021. This was also higher by 10.56 percentage points compared to the national average underemployment rate of 16.1%.

For Puerto Princesa City, most of the Community-Based Sustainable Tourism sites (CBST) located in various barangays were damaged by the Typhoon Odette. Aside from the continuing effects of the pandemic, this resulted in temporary or total closure and ceasing of operations, which lead to employees temporarily suspended in reporting to work for a certain period, while others implemented shifting and rotation scheme. Further, various cooperatives and associations providing services to tourism destinations had to stop to recover.

A total 1,663 workers from 121 selected establishments located in northern and urban barangays of Puerto Princesa City that undergone onsite assessment were affected by typhoon Odette. This led to an estimated loss of income amounting to PHP 6.85 million from 21,398 days of unemployment (refer to Table 64).

**Table 64. Estimated loss of income of selected establishments, Puerto Princesa City**

Location	No. of Surveyed Establishments	No. of Affected Employees	No. of Days Considered as Loss	Estimated Loss of Income (in PHP)
Northern Barangays	60	380	12,417	3,973,440.00

Urban Barangays	61	1,283	8,981	2,873,920.00
Total	121	1,663	21,398	6,847,360.00

Source: Palawan Post Disaster Needs Assessment

Notes:

- The 121 selected establishments represent 1.21% of the total 10,012 registered business establishments in the City including sari-sari stores and small businesses. These establishments did not represent those who are from the informal sector.*
- The computation for employees wage loss is PHP 320.00/day*
- For the northern barangays, the number of days that were considered as loss were computed in consideration of the status of the establishment's work arrangement after the hit of the typhoon ranging from 4-43 days per employee.*
- For the urban barangays, the number of days were assumed to be at 7 days per establishment.*

Generally, Typhoon Odette caused adverse effect on the industry, trade, and services sectors of Palawan and Puerto Princesa City. The mining industry was minimally affected by the disaster since most of the province's large scale mining operations are located in the southern part of the province. However, quarrying operations were more affected due to typhoon-related flooding incidents. Water and power supply, transportation, and communication services were greatly affected but were subsequently restored in most areas.

Tourism activities, retail and trade industry businesses, and hotel and restaurants, particularly in key tourism destinations in Puerto Princesa City and northern portion of the Palawan, were also affected but resumed operations after rudimentary requirements such as water and power supply became available.

Micro, Small & Medium Enterprises (MSMEs), including several large businesses, were also affected as Typhoon Odette caused capital and income losses and damages on structures, equipment, and machineries such as store processing areas, plantation of raw materials, greenhouse and seedling shelter, fishing boats.

A total of 1,152 MSMEs were affected by Typhoon Odette in Palawan. The services sector recorded the highest number of MSMEs affected by Typhoon Odette with 667 MSMEs. This included enterprises engaged in wholesale and retail trade with 583 MSMEs, accommodation and food activities with 67 MSMEs, and transportation and storage with 17 MSMEs.

This was followed by agriculture, forestry, and fishery with 388 MSMEs. On the other hand, industry sector recorded the lowest number of affected MSMEs with 97 MSMEs including enterprises engaged in manufacturing (food) with 86 MSMEs and construction with 11 MSMEs.



Municipality of Araceli Palawan





Municipality of Cagayancillo





**Municipality of Dumaran**





Covered Gym, Brgy. Bahile, Puerto  
Princesa City



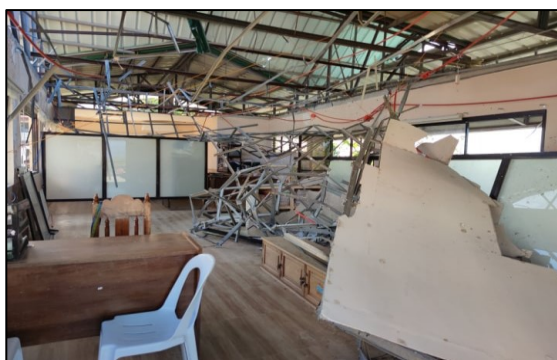
City of Puerto Princesa





Municipality of Roxas





Municipality of San Vicente





Municipality of Taytay





Computation, Writeshop and Tabletop  
Evaluation of PDNA Team Members