



Republic of the Philippines  
Department of Environment and Natural Resources  
**MIMAROPA Region**  
**Provincial Environment and Natural Resources Office**  
Bgy. Sta. Monica, Puerto Princesa City, Palawan  
E-mail: penropalawan@denr.gov.ph  
Telfax No. (048) 433-5638

18 January 2022

**MEMORANDUM**

**FOR : The Regional Executive Director**  
**MIMAROPA Region**  
**Roxas, Blvd. Ermita, Manila**

**FROM : The Provincial Environment and**  
**Natural Resources Officer**


**SUBJECT : ROUGH ESTIMATED COST OF REPAIR FOR THE DAMAGES**  
**DONE BY TYPHOON ODETTE IN SNAKE ISLAND NCMCR**

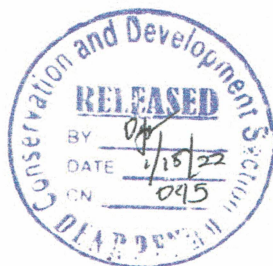
Respectfully submitting the attached rough estimate cost of repair for the damages done by Typhoon Odette in Snake Island – National Coastal and Marine Center for Research with estimated total amount of Six Million Five Hundred Fifty Thousand Pesos (Php 6,550,000.00).

The said estimate covers the repair cost for the damages on both watercrafts and infrastructures of Snake Island. Please see the attached estimates and photo documentation for your reference.

For your information and further instruction.

“For and in the Absence of the PENRO”

  
**JOHNNY P. LILANG**  
Chief, Technical Services Division  
In Charge, Office of the PENRO



**DENR PENRO**  
**PALAWAN RECORDS**  
**RELEASED**  
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**Rough Estimated Cost of Repair for the Damages done by Typhoon Odette in Snake Island NCMCR**

Damages	Rough Estimated Repair Cost
<b>Speedboat</b> 1. The steering wheel and the boat captain's set were detached from the body 2. The cover hood was destroyed and remove, and the cover hood frames were misaligned 3. The engine's cover was destroyed and missing 4. Fortunately, the body has no damage at all  M/Bca Kalungpang, 8 seating capacity (2.96GT) – this boat was dry-docked in Snake Island NCMCR 1. The body of boat was totally shattered 2. The debris of the body were scattered in the northern part of the Admin Building and inside of the mangrove area  M/Bca Hawksbill, 20 seating capacity (6.59GT) 1. The body of the boat was totally wrecked 2. The remnants were found inside the mangrove area and some are in the northerly part of Admin Building 3. The hull "kasko" with the engine attached found in the northern part of the island which is still submerged in the sea water 4. The propeller and other parts were also detached from the body	- Php 200,000.00           - Php 100,000.00           - Php 1,300,000.00
<b>Main building</b> 1. The front hallway was tear down and the sand inside of it were washout 2. The part of the roof was also damage and portion of outside ceiling was detached 3. The ceiling inside of the building (hall part) was tear down 4. Some of front windows were scattered by strong winds 5. There was also cracked and leaked in the other parts of the Admin Building	- Php 2,500,000.00
<b>Other facilities</b> 1. Big shed was ripped down 2. The comfort room near the big shed was damaged; part of the roof was removed and the foundation of the CR was emerged due to the washout of the sand 3. The part of the boardwalk railings was cracked and destroyed 4. The generator house was damaged and the roof was detached from the house; pathway was tear down	- Php 350,000.00 - Php 350,000.00  - Php 70,000.00 - Php 100,000.00





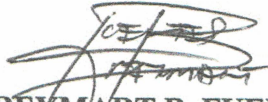
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5. The dive house and comfort room was totally wrecked; the posts were cracked and damaged, the roof of the comfort room was removed and the pathway was also tear down.	- Php 1,500,000.00
6. The kitchen area has also damages; the wall detached and the floor area in the front part which served as the dining area was shattered and also the sand that helps the foundation to be stronger were washout, almost 2 feet of the post were emerged	- Php 80,000.00
Others	
1. Mangrove trees in the vicinities of the admin building are heavily damage	
2. The sand area widened from its natural form	
	Total Amount: <b>Php 6,550,000.00</b>

Please see the attached documentation.

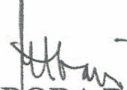
For your information and further instruction.

Prepared by:

  
**REYMART B. FUENTES**

Project Monitoring and Evaluation Officer

Noted by:

  
**RHODORA B. UBANI**  
Chief, CDS / SIMO





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## PHOTO DOCUMENTATION

### 1. WATERCRAFTS

#### a. Speedboat



Photos of the submerged speedboat with Yamaha engine 50 HP in the sea water (left); destroyed and missing engine's cover (right)



Photos of the destroyed cover hood (left) and misaligned cover hood frame of speedboat (right)



Photos of detached controller/ steering wheel from the body, as well as the boat captain's seat





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b. MBca Kalumpang

- this boat was dry-docked in Snake Island near in the generator house.



the boat was totally wrecked by the strong winds and waves; this photo shows the kasko or "hull" of the boat which found near the big shed in the northern part of admin building.



Photos of debris of the body and *katig* of the boat were wash out in the mangrove area





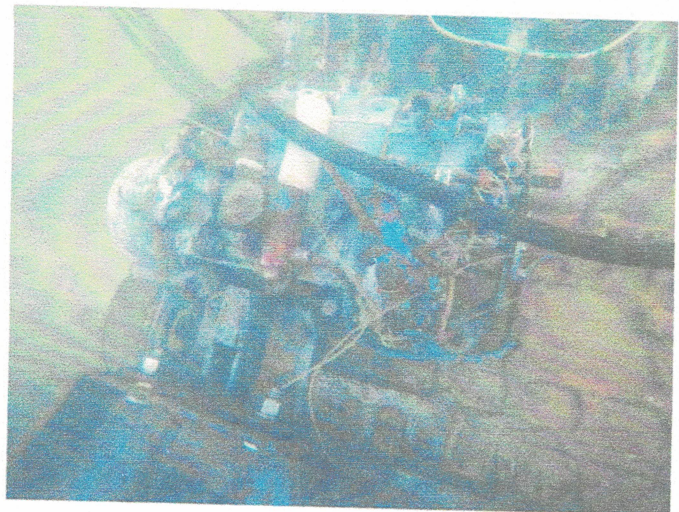
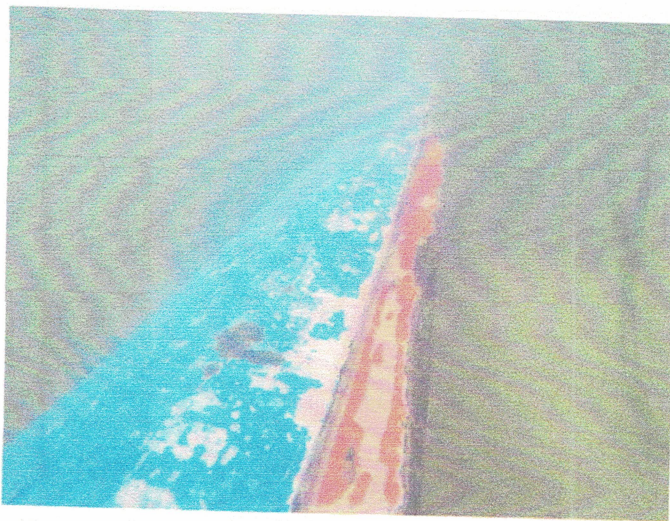
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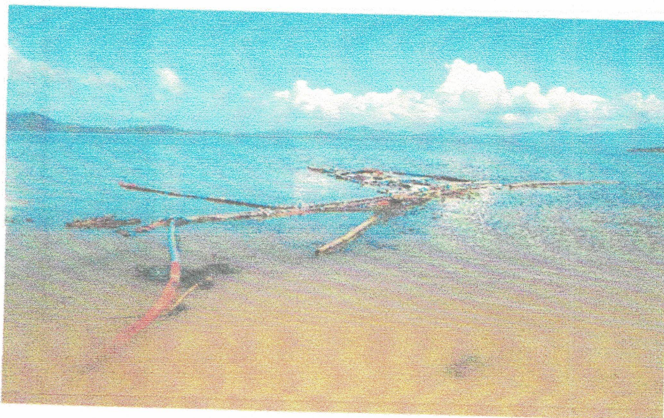
c. MBca Hawksbill



Photo of MBca Hawksbill during the Typhoon Odette landfall



Photos of kasko "hull" and engine of MBca Hawksbill under the sea water after the landfall of Typhoon Odette



Photos of remnants of MBca Hawksbill which scattered in the northern part of admin building and in the mangrove area





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**2. Main Admin Building**



Photos of front hallway of Admin Building which was tear down by strong waves and the sand inside of it were washout



Photos of damage roof (left) and outside ceiling of Admin Building (right)





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Photos of shattered windows in the front area of admin building



Photos of ruined ceiling inside of the Admin Building due to strong winds

### 3. Other Facilities



Photos of damaged Rest room's roof (left) and ruined Big Shed (right)





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Photos of damaged boardwalk railings



Photo of damaged Generator House (left) and photo of detached roof from Generator house (right)

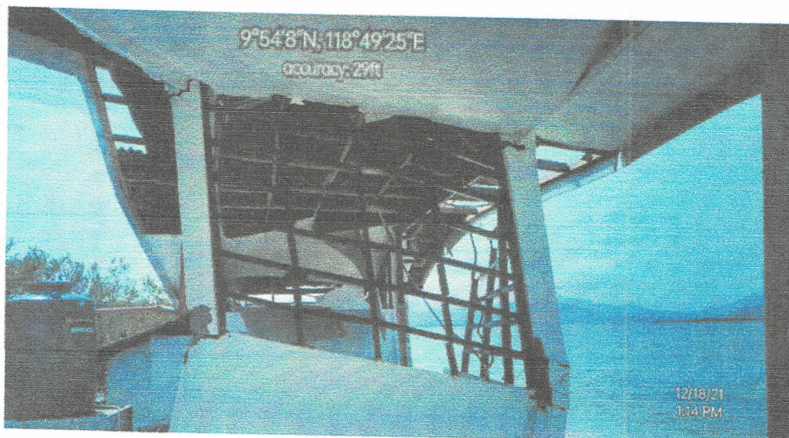


Photos of wrecked Dive House (left); damaged Comfort Room and pathway (right)





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Photos of wrecked Dive House



Photos of kitchen with broken walls (left) and smashed floor in front area that served as dining area (right)

4. Others



Photos of collapsed Mangrove Trees in the vicinities of Admin Building