



Republika ng Pilipinas

## Kagawaran ng Edukasyon

Tanggapan ng Pangalawang Kalihim

### AIDE MEMOIRE

17 February 2022

### URGENT NEED TO FUND DAMAGES OF SCHOOLS DUE TO VARIOUS DISASTERS FROM 2016 TO 2022 (INCLUDING TY ODETTE)

#### DAMAGES OF TY ODETTE

In December 2021, the education sector was heavily affected by Typhoon (TY) Odette. Based on the Rapid Assessment of Damages Report (RADaR) of DepEd as of 11 February 2022, a total of 3,139 affected schools incurred infrastructure damages that include totally and major damaged classrooms, amounting to **P22,081,000,000.00**.

Further, a total of 3,161 affected schools incurred non-infrastructure damages, which cover damaged school furniture, learning resources, and computer sets, amounting to **P80,350,930,000.00**. For non-infrastructure damages, the estimated cost is based on the standard price of P4,800 per unit of school furniture, P31.47 per learning resource, P820,803.56 per set of elementary DepEd Computerization Package (DCP), and P1,796,424.05 per set of secondary DCP. Validation and detailed assessments are being conducted by the DepEd Central Office and field offices.

For 2021 alone, the Department needs a total of **P102,431,928,000.00** to address the impacts of TY Odette to both infrastructure and non-infrastructure. (See **Annex A** for the Education Cluster Report for TY Odette.)

#### DAMAGES OF CALAMITIES FROM 2016 TO 2022

In addition, from 2016 to January 2022, various disasters have destroyed DepEd school buildings and facilities, with remaining unfunded repair and reconstruction amounting to **P24,014,866,986.00**. This covers a total of **13,671 classrooms for repair** and **7,347 classrooms for reconstruction**.

Including TY Odette, the total amount required for repair and reconstruction is **P46,095,866,986.23** (See **Annex B** for the total unfunded repair and reconstruction needs due to various disasters from 2016 to January 2022).



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#### Office of the Undersecretary for Administration (OUA)

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While a total of **P82,517,450,000.00** was incurred for non-infrastructure damages for **3,884,682** damaged learning materials, **547,799** damaged school furniture, and **67,559** damaged computer packages due to various disasters from 2016-2021, excluding TY Odette.

The total amount needed for the replacement of damaged non-infrastructure, including for TY Odette is **P162,868,380,000.00** (See **Annex C** for the summary of non-infrastructure damages and estimated cost of replacement from 2016-2021).

The total amount needed for both infrastructure and non-infrastructure damages from 2016 to January 2022, including TY Odette, amounts to **P208,964,246,986.23**.

## **FUNDING OF CALAMITY DAMAGES**

Repair and reconstruction projects have been funded through the DepEd Quick Response Fund (QRF), the DepEd Basic Education Facilities Fund (BEFF), and the National Disaster Risk Reduction and Management Fund (NDRRMF).

The QRF is a P2 billion fund provided to DepEd yearly, which has been used for post-disaster repair and reconstruction. It originally amounted to P1 billion in 2016 but was removed altogether in 2017. It was restored in 2018 and increased to the current amount.

The BEFF is a programmed fund, and its allocations for repair and reconstruction in the aftermath of disasters are limited. This 2022, due to the Mandanas Ruling, the BEFF is only confined for the repair and reconstruction of schools under 5th to 6th class municipalities.

The NDRRMF is a special fund that DepEd, together with all other agencies, can avail of to finance its Comprehensive Rehabilitation and Recovery Programs (CRRP) after major disasters. After 2017, however, DepEd has been able to get only a very small amount from the NDRRMF.

All these sources of funds have been insufficient.

In every disaster, human life and physical infrastructure are the most vulnerable. In the case of DepEd, its physical properties like school buildings are constantly damaged by disasters (See **Annex D**. Usual Damages of Disasters to School Buildings and Facilities).

We are also aware that the adverse conditions we are experiencing now are very much different from the previous years due to Climate Change.

Moreover, the overloading of outdated electrical cables and devices connected with new or additional equipment provided to schools has often caused fires to old buildings.



The required funding is vital to restore normalcy, ensure learning continuity and public service, and safeguard the welfare of learners and personnel when they return to schools after the disasters.

Even in the time of the COVID-19 pandemic, schools remain central to disaster response. In the absence of other viable community or LGU facilities, a number of schools serve as COVID-19 quarantine or isolation sites and evacuation centers.

DepEd is seeking other sources of funds, but these efforts have yet to yield results. For instance, the Department already requested for a payout from the 2018 Parametric Insurance Program for government facilities procured for LGUs and DepEd, but this payment has not been made until now. In 2020, DepEd was informed that the Parametric Insurance between the Department of Finance (DOF) and Department of Budget and Management (DBM) has not been renewed.

Failure in the release of the payout happened, despite the occurrence of two disasters: the magnitude 6.1 earthquake in Zambales and Typhoon Tisoy. These events should have triggered the immediate issuance of the payout to cover the repair and reconstruction of damaged classrooms. (Please see the separate Aide Memoire on DepEd's Experience on the Parametric Insurance Coverage of Government Facilities against Natural Calamities).

### **SPECIAL FUNDING ALLOCATION**

**The Department needs a total amount of P208.96 billion to cover the remaining unfunded repair and reconstruction of damaged classrooms and replacement of damaged non-infrastructure due to various disasters from 2016 to January 2022.** (Please see **Annex E** for the Summary of Funded and Unfunded Repair and Reconstructions of Damaged Classrooms Due to Various Disasters from 2016 to January 2022).

In order to address this need, **it is proposed that a Special Calamity Fund or a Supplemental Budget be initiated and legislated** to cover not just DepEd's needs but other government agencies' in order to move forward.

Furthermore, DepEd is proposing the increase of its annual QRF from **P2 billion to P6 billion**. Since QRF 2022 is about to be fully allotted to cover TY Odette damages, the rest of 2022 is left with no more QRF with the typhoon season yet to come. It is also proposed that the proposed Special Calamity Fund or Supplemental Budget include at least P4 billion of new QRF.

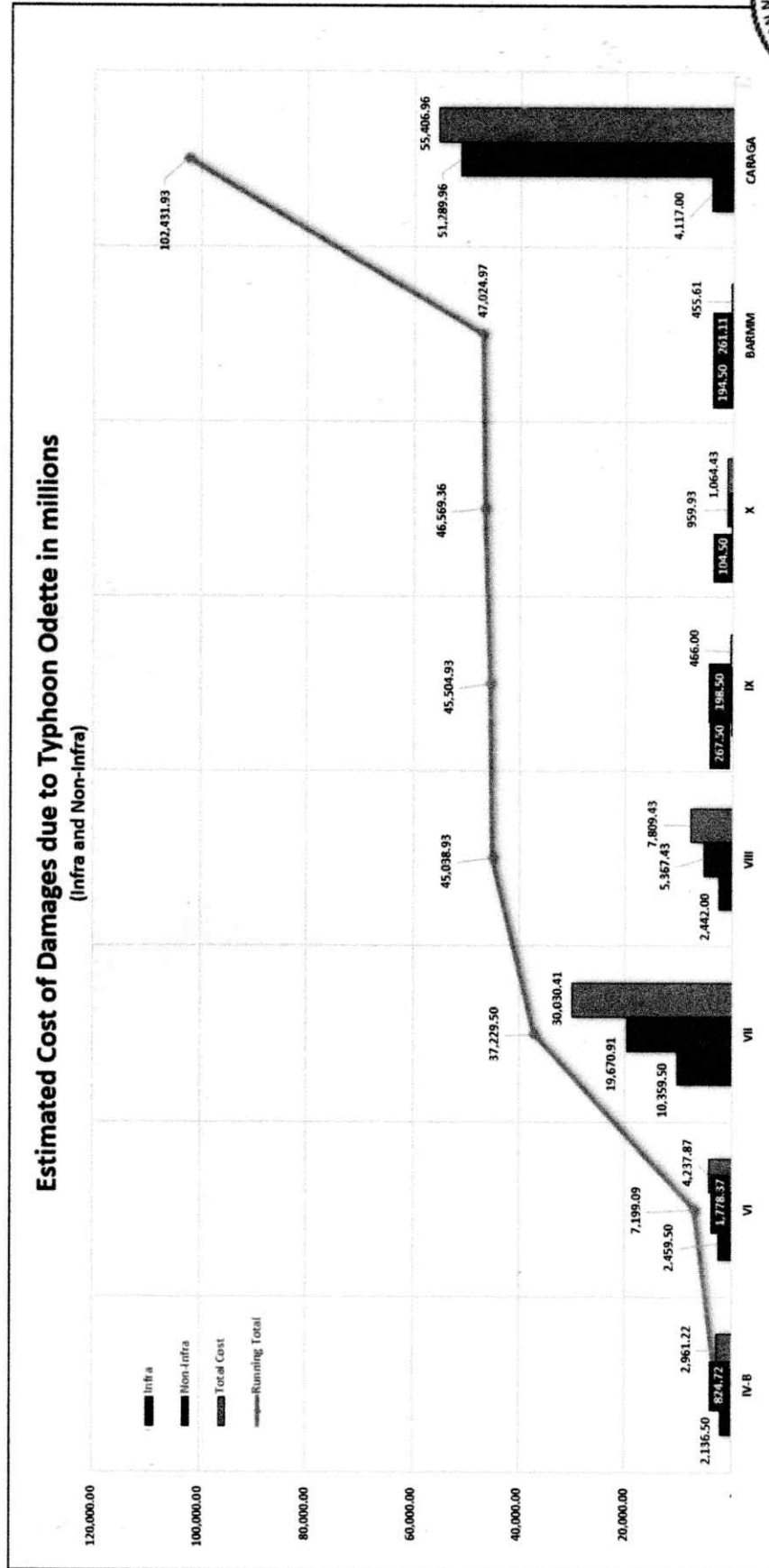
For the Secretary's consideration.

  
**ALAIN DEL B. PASCUA**  
Undersecretary

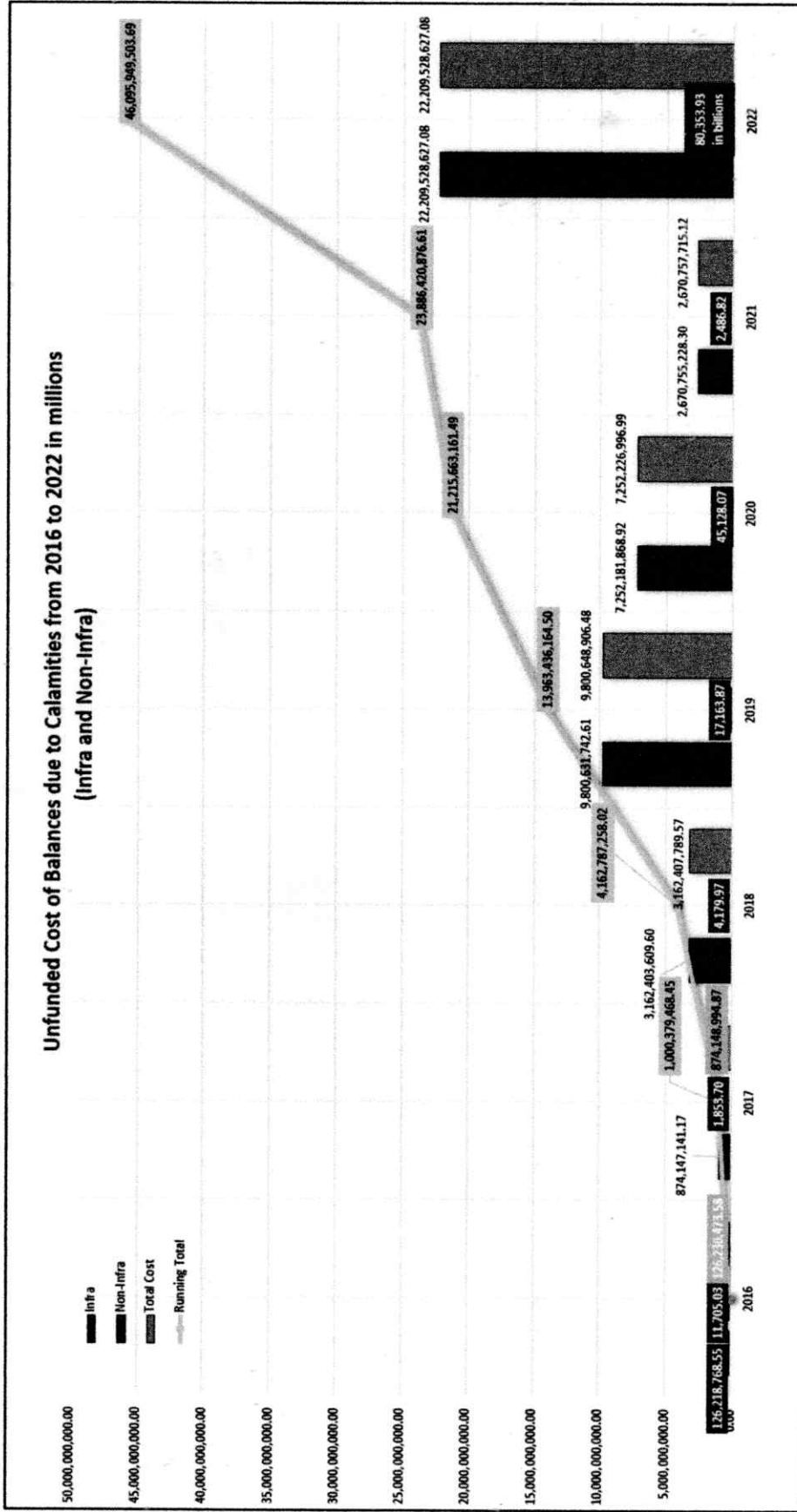


## Education Cluster Report for Typhoon Odette as of 11 February 2022

**Figure A.** Graph of Estimated Cost of Infrastructure and Non-Infrastructure Damages due to Super Typhoon Odette



**Figure B.** Graph of Unfunded Cost of Balances due to Calamities from 2016 to 2022 including Super Typhoon Odette



## Annex A

### Summary of Infrastructure and Non-Infrastructure Damages and Estimated Cost of Repair, Reconstruction and/or Replacement Including TY Odette

A total estimated cost for the repair and reconstruction of infrastructure damages, including those caused by Typhoon Odette, amount to **more than P22 billion** while the total estimated cost for non-infrastructure damages is **more than P80 billion** as shown in the following tables.

**Table 1. Summary of Infrastructure Damages and Estimated Cost of Repair and Reconstruction including TY Odette**

No.	Region	Divisions	No. of Schools with Damages	No. of Totally Damaged Classrooms	Estimated Cost** (Recon) P in million	No. of Partially Damaged Classrooms (Major)	Estimated Cost*** (Rehab / Major Repair) Ph in million	Total Estimated Cost (Recon + Rehab) P in million
1	BARMM	1	12	63	157.50	74	37	194.50
2	CARAGA	10	522	1,171	2,927.50	2,379	1,189.50	4117
3	IV-B	2	171	540	1,350	1,573	786.50	2,136.50
4	VI	17	455	762	1,905	1,109	554.50	2,459.50
5	VII	18	1,532	3,005	7,512.50	5,694	2847	10,359.50
6	VIII	8	386	616	1540	1,804	902	2442
7	IX	1	28	85	212.50	110	55	267.50
8	X	4	33	33	82.50	44	22	104.5
<b>Grand Total</b>	<b>8</b>	<b>61</b>	<b>3,139</b>	<b>6,275</b>	<b>15,687.50</b>	<b>12,787</b>	<b>6,393.50</b>	<b>22,081</b>

Source: Rapid Assessment of Damages Report 1 (RADaR 1) as of February 11, 2022, 1200H subject to validation and detailed assessment

\*Detailed list in Annex 5

\*\*Estimated Cost for Totally Damaged CL – P 2,500,000

\*\*\*Estimated Cost for Partially (Major) Damaged CL – P 500,000

NOTE: Minor damages reported by schools were not reflected in this report since the source of funds to repair the damages will be charged to the school's MOOE.



**Table 2. Summary of Non-Infrastructure Damages and Estimated Cost of Replacement\* Including TY Odette**

No.	Region	Divisions	No. of Schools with Damages	(A) No. of Damaged School Furniture	Estimated Cost of Damaged School Furniture (P in Millions)*	(B) No. of Damaged Learning Materials	Estimated Cost of Damaged Learning Material (P in Millions) **	(C) No. of Damaged Computer Sets - ES	Estimated Cost of Damaged Computer Sets-ES (P in Millions) ***	(D) No. of Damaged Computer Sets - SS	Estimated Cost of Damaged Computer Sets-SS (P in Millions) ***	(Estimated Cost of Replacement (A+B+C+D) (P in Millions) ***
1	BARMM	1	29	2,389	11.47	33,331	1.05	84	68.95	100	179.64	261.11
2	CARAGA	10	569	61,892	297.08	5,386,533	169.51	53,158	43,632.28	4,003	7,191.09	51,289.96
3	IV-B	2	105	3,544	17.01	1,402,969	44.15	173	142.00	346	621.56	824.72
4	VI	17	404	74,187	356.10	786,057	24.74	326	267.58	629	1,129.95	1,778.37
5	VII	16	1,595	91,854	440.90	9,367,386	294.79	13,402	11,000.41	4,417	7,934.81	19,670.91
6	VIII	9	412	17,534	84.16	3,689,365	116.10	1,616	1,326.42	2,138	3,840.75	5,367.43
7	IX	1	22	1,431	6.87	3,081,077	96.96	65	53.35	23	41.32	198.50
8	X	3	25	460	2.21	211,367	6.65	25	20.52	518	930.55	959.93
<b>Grand Total</b>	<b>8</b>	<b>59</b>	<b>3,161</b>	<b>253,291</b>	<b>1,215.80</b>	<b>23,958,085</b>	<b>753.96</b>	<b>68,849</b>	<b>56,511.50</b>	<b>12,174</b>	<b>21,869.67</b>	<b>80,350.93</b>

Source: Rapid Assessment of Damages Report 2 (RADaR 2) as of February 11, 2022, 1200H and subject for validation and detailed assessment  
\*Detailed list in Annex 6

\*\* (A) Estimated Cost of Damages for School Furniture - P 4,800.00

\*\*\* (B) Estimated Cost of Damages for Learning Resources (based on the average cost of learning materials across all levels, covering all subject areas) - P 31.47

\*\*\*\* (C) Estimated Cost of Damages for Computer Sets is based on an allocation of one set of DepEd Computerization Package per school, as follows: (C) DCP for Elementary - P 820,803.56, and (D) DCP for Secondary - P 1,796,424.



**Annex B**

**Total Unfunded Infrastructure and Non-Infrastructure Damages and Estimated Cost of Repair, Reconstruction and/or Replacement Due to Various Disasters from 2016 to January 2022**

**Table 1. Total Unfunded Balance of Infrastructure Damages Due to Various Disasters from 2016 to January 2022**

<b>YEAR</b>	<b>TOTAL UNFUNDED BALANCE (in Pesos)</b>	<b>REASONS</b>
2016	126,218,768.55	<ul style="list-style-type: none"> <li>• <b>P1 billion QRF allocation for DepEd was not enough for all damages due to various disasters.</b></li> </ul>
2017	874,147,141.17	<ul style="list-style-type: none"> <li>• The annual P1 billion allocation for DepEd was removed. For 2017, <b>DepEd had no QRF allocation.</b></li> <li>• The unfunded projects in 2016 was not carried over in 2017 as the 2017 budget was proposed as early as May 2016.</li> <li>• BEFF is a programmed fund.</li> </ul>
2018	3,162,403,609.60	<ul style="list-style-type: none"> <li>• <b>The QRF was restored in 2018</b>, in the amount of <b>P2 billion</b>. However, <b>the amount was not even enough to accommodate all damages sustained in 2018.</b></li> <li>• The unfunded projects in 2016 and 2017 were not carried in 2018 under BEFF, as BEFF was designed to address a 5-year plan to address classroom shortage.</li> <li>• <b>Most damages in 2017 occurred after May 2017 when the 2018 budget was already submitted.</b></li> <li>• <b>BEFF fund was significantly reduced to fund free tertiary education.</b></li> </ul>
2019	9,800,631,742.61	<ul style="list-style-type: none"> <li>• <b>P 2 billion QRF allocation for DepEd was not enough for all damages due to various disasters.</b></li> <li>• <b>BEFF fund remained at significantly low levels following the previous year's budget reduction and in view of Cash-based Budgeting.</b></li> <li>• <b>Most of the damages were caused by a series of earthquakes in Mindanao during the last quarter of the year.</b></li> </ul>





YEAR	TOTAL UNFUNDED BALANCE (in Pesos)	REASONS
2020	7,252,181,868.92	<ul style="list-style-type: none"> <li>• <b>The 2020 P2 billion QRF remains insufficient</b>, especially as a portion has been used for repair and reconstruction of classrooms damaged in the previous year due to various disasters occurring in the last quarter of 2019.</li> <li>• Unfunded repair and reconstruction excluding Super Typhoon Rolly</li> </ul>
2021	2,670,755,228.30	<ul style="list-style-type: none"> <li>• <b>The 2021 P2 billion QRF remains insufficient.</b></li> <li>• Remaining unfunded repair and reconstruction due to STY Rolly, Ulysses and Quinta and other incidents</li> <li>• This amount includes damages caused by Fire Incidents, Landslide, Soil Erosion, and TY Bising</li> </ul>
2022	128,528,627.08	<ul style="list-style-type: none"> <li>• This amount includes damaged by Fire Incidents as of February 11, 2022</li> </ul>
<b>Sub-Total</b>	<b>24,014,866,986.00</b>	<b>Total unfunded from 2016-2021 excluding TY Odette</b>
2022	22,081,000,000.00	<ul style="list-style-type: none"> <li>• <b>Total amount needed for infrastructure damages due to TY Odette based on RADaR as of 11 February 2022</b></li> </ul>
<b>Grand Total</b>	<b>46,095,866,986.23</b>	<b>TOTAL UNFUNDED REPAIR AND RECONSTRUCTION FROM 2016-2021, INCLUDING TY ODETTE</b>

*This unfunded balance excludes the provisions made from the CY 2022 Quick Response Fund equivalent to P2 billion which was used to address the requirements of priority regions damaged by Typhoons Odette and Maring during the last quarter of CY 2021*



**Annex C**

**Usual Damages of Disasters to School Buildings and Facilities  
with Sample Photos**

HAZARD	USUAL DAMAGES TO SCHOOL BUILDINGS AND FACILITIES
Typhoons	<ul style="list-style-type: none"> <li>• Damages on roofing structures (roofing sheet, purlins, and trusses) are usually blown away;</li> <li>• Collapsed ceiling panels, supports, and frames;</li> <li>• Broken window glasses and window jambs;</li> <li>• Broken doors and jambs;</li> <li>• Damaged/collapsed walls due to strong wind and secondary hazards brought by the typhoon such as landslides, flash floods, and debris;</li> <li>• Damaged electrical wirings and fittings; and</li> <li>• Damaged water pipe and fittings.</li> </ul>
Earthquakes	<ul style="list-style-type: none"> <li>• Cracks on major structural components of the building like beams, columns, walls, and slab/floorings;</li> <li>• Disconnection of integral parts of the building such as beam and column, beam and slab;</li> <li>• Collapsed ceilings, roofing structures, and flooring slab including parapets;</li> <li>• Broken window glasses and jambs;</li> <li>• Collapsed wall structure;</li> <li>• Damaged electrical wiring and fittings; and</li> <li>• Damaged the water pipes and fittings.</li> </ul>
Volcanic Eruption	<ul style="list-style-type: none"> <li>• Damaged roofing structures;</li> <li>• Broken window glasses and jambs; and</li> <li>• Broken doors and jambs.</li> </ul>
Fire	<ul style="list-style-type: none"> <li>• Whole building structure compromised including furniture, computers, learning materials, and equipment.</li> </ul>



**Table 2. Total Non-Infrastructure Damages and Estimated Cost of Replacement from 2016 to 2021**

No.	Year	No. of Schools with Damages	No. of Damaged School Furniture (A)	Estimated Cost of Damaged School Furniture (P in Millions)*	No. of Damaged Learning Materials (B)	Estimated Cost of Damaged Learning Material (P in Millions)*	No. of Damaged Computer Sets - ES [C]	Estimated Cost of Damaged Computer Sets-ES (P in Millions)***	No. of Damaged Computer Sets - SS (D)	Estimated Cost of Damaged Computer Sets-SS (P in Millions)***	Estimated Cost of Damaged (A+B+C+D) (P in Millions)****
1	2016	1,815	81,968	393.45	514,426	16.19	4,683	3,843.82	4,148	7,451.57	11,705.03
2	2017	431	21,422	102.83	294,987	9.28	662	543.37	667	1,198.21	1,853.70
3	2018	1,062	24,980	119.90	94,524	2.97	2,949	2,420.55	911	1,636.54	4,179.97
4	2019	2,354	108,238	519.54	630,637	19.85	8,547	7,015.41	5,349	9,609.07	17,163.87
5	2020	2,238	110,779	531.74	1,181,57	37.18	24,684	20,260.72	13,526	24,298.43	45,128.07
6	2021	412	200,412	961.98	1,168,53	36.77	1,187	974.29	286	513.78	2,486.82
<b>Grand Total</b>		<b>8,312.00</b>	<b>547,799</b>	<b>2,629.44</b>	<b>3,884,68</b>	<b>122.25</b>	<b>42,712</b>	<b>35,058.16</b>	<b>24,887</b>	<b>44,707.61</b>	<b>82,517.45</b>

\*\* (A) Estimated Cost of Damages for School Furniture – P 4,800.00

\*\*\* (B) Estimated Cost of Damages for Learning Resources (based on the average cost of learning materials across all levels, covering all subject areas) – P 31.47

\*\*\*\* Estimated Cost of Damages for Computer Sets is based on an allocation of one set of DepEd Computerization Package per school, as follows: (C) DCP for Elementary – P 820,803.56, and (D) DCP for Secondary – P 1,796,424.05

