QUARTERLY PHYSICAL REPORT OF OPERATION (BAR No. 1)

QUARTERLY PHYSICAL REPORT OF OPERATION As of December 31, 2020

Department : Department of Science and Technology (DOST)

Agency: Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)

Operating Unit : < not applicable > Organization Code (UACS) : 19 010 0000000

			Physical	Target (Bud	iget Year)		P	hysical Acco	omplishmen				
Particulars	UACS CODE	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Variance	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SUPPORT TO OPERATIONS													
Locally-Funded Project (s)													
Rehabilitation/Repair of Basco Radar and Tower Building	200000200003000	25%	50%	75%	100%	100%	0%	0%	0%	0%	0%		Under bidding process
Enhancement of PAGASA's Weather Observing Facilities	200000200006000	41%	60%	77%	80%	80%	18%	33%	50%	60%	60%		*Project fund 2020 was reverted to CO 2021. Bidding was conducted 4th QTR of 2020 and shall be awarded to winning bidder after post qualication procedure *Project was delayed due to lockdown
Advancing Climate Monitoring and Prediction System	200000200009000	400/	050/	000/	33%	33%	000/	25%	28%	30%	30%		lockdown
Advancing Climate Monitoring and Prediction System	20000020009000	10%	25%	30%	33%	33%	20%	25%	28%	30%	30%	<u> </u>	Diddie 6 2 d Debiddie
Operationalization of Agrometeorological Information System	200000200010000	25%	50%	70%	80%	80%	30%	40%	60%	70%	70%		Bidding failed. Rebidding will resume on January 2021
OPERATIONS													
			<u> </u>				-						
WEATHER AND CLIMATE FORECASTING AND WARNING	31010000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster													
Outcome Indicator	1		İ			İ	1						
Percentage of 81 provinces including Metro Manila		94%	94%	94%	94%	94%	94%	94%	94%	94%	94%		
that have robust science-based weather related													
information and services in their disaster risk													
reduction plans													
Output Indicators													
Percentage accuracy of typhoon track forecast:		-	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A		
error reduced to 100km for 24-hr forecast													

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Percentage of timely weather and tropical cyclone		94%	94%	94%	94%	94%	100%	100%	100%	100%	100%		
warnings issued within fifteen (15) minutes of													
scheduled time													
Number of seasonal climate forecasts, climate impact		214	218	251	223	906	211	224	241	297	973		
assessment, tropical cyclone warning advisory													
(TCWA) for agriculture and farm weather forecasts													
and advisories issued								***					
Annual Mean 24-hour Forecast Track Error (in kilometers)		Storm - less	Typhoon- less than or equal to 100 km; Tropical Storm - less than or equal to 120 km	less than or equal to 100 km; Tropical Storm - less	Tropical Storm - less than or equal	less than or equal to 100 km; Tropical Storm - less	No Tropical Cyclone during 1st Quarter of 2020	60km	54.6km		Ty - 51.2km; TS - 62.4km		
Locally-Funded Project (s)													
Providing High Resolution (5km) Climate Change Projections in the Philippines Using Weather Research and Forecasting (WRF) Model	310100200002000	80%	100%	-	-	100%	60%	62%	62%	62%	62%		Same percentage accomplishment as of 2nd quarter because of the building issue. HPC cannot be installed yet.
PAGASA Meteorological Information System Application Performance Management (APM) with Secure Edge Connectivity	310100200009000	100%	-	-	-	100%	60%	95%	95%	95%	95%		Project Suspended on September 1, 2020 due to: - Cooling system is unstable in the current server room located at 4th floor Central office, Science Garden compound HPC facility building is not ready yet for server migration and operation as an alternative solution for the cooling issue Movements and implementations are very limited due to the on-going COVID-19 pandemic.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
PAGASA Unified Meteorological Information System (PUMIS) Storage Expansion	310100200010000	100%	-	-	-	100%	60%	79%	79%	79%	79%		Project Suspended on September 1, 2020 due to: - Cooling system is unstable in the current server room located at 4th floor Central office, Science Garden compound HPC facility building is not ready yet for server migration and operation as an alternative solution for the cooling issue Movements and implementations are very limited due to the on-going COVID-19 pandemic.
Identity and Access Management with Active Directory for Database Management System	310100200011000	100%	-	-	-	100%	45%	60%	60%	60%	60%		Project Suspended on September 1, 2020 due to: - Cooling system is unstable in the current server room located at 4th floor Central office, Science Garden compound HPC facility building is not ready yet for server migration and operation as an alternative solution for the cooling issue Movements and implementations are very limited due to the on-going COVID-19 pandemic.
Improved Data Analytics on Weather Forecasting	310100200006000	72%	80%	90%	100%	100%	65%	65%	69%	82%	82%		
FLOOD FORECASTING AND WARNING PROGRAM	31020000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster													
Outcome Indicator													
Reduced number of casualties		-	-	-		0 casualty	-	-	-	-	-		
Output Indicators													
Number of timely and accurate flood warnings issued		600	450	950	1,000	3,000	154	161	172	960	1,447		

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
2. Percentage of timely flood warning issued within		95%	94%	94%	95%	94.5%	95%	96%	96%	97%	96%		
fifteen (15) minutes of scheduled time													
3. Number of hazard maps developed/generated/updated		1	1	1	1	4	1	1	1	1	4		
RESEARCH AND DEVELOPMENT ON ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL AND ALLIED SCIENCES PROGRAM	31030000000000										and the second and areas are		
OO : Enhanced safety and resiliency of Filipinos to disaster													
Outcome Indicators			de monte						e deplay				
. Percentage of stakeholders who rated the		90%	90%	90%	90%	90%	90%	86%	90%	96%	91%		
forecasting capability services as satisfactory or													
better													
2. Percentage increase of LGUs that use the hazard maps		80%	80%	80%	80%	80%	100%	100%	100%	100%	100%		
Output Indicators													
. Number of researches/studies completed/published/		2	2	2	1	7	1	0	1	10	12		
operationalized and development of real innovative/													
pioneering projects													
2. Percentage of involvement on the localization of		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
instruments, facilities and models through													
innovation, collaboration and linkages													
Number of technical assistance on actions/policies		27	22	22	27	98	15	6	5	8	34		
adapted by the LGU							Y Y 200						

Certified Correct:

CRISTIAN D. SANVICTORES

Chief, PPDU

Recommending Approval:

JOSE DANIEL C. SUAREZ

Chief, FPMD

Approved By:

VICENTE B. MALANO, Ph.D.

dministrator