QUARTERLY PHYSICAL REPORT OF OPERATIONS (BAR No. 1)

QUARTERLY PHYSICAL REPORT OF OPERATION As of December 31, 2021

Department : Department of Science and Technology (DOST)

Agency: Philippine Atmospheric, Geophysical and Astronomical Services

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

		Physical Target (Budget Year)						Physical Acc					
Particulars Particulars 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)													
All Weather Communication System (Phase 1)	200000200011000	80%	100%			100%	30%	60%	95%	100%	100%		
Enhancement of PAGASA's Weather Observing Facilities	200000200006000	64%	70%	86%	100%	100%	62%	64%	78%	93%	93%		
OPERATIONS					<u>. </u>								
WEATHER AND CLIMATE FORECASTING AND WARNING	310100000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster risks	1												
Outcome Indicator					-								
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 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		223	227	260	232	942	224	256	272	250	1,002		
assessment, tropical cyclone warning advisory													
(TCWA) for agriculture and farm weather forecasts													
and advisories issued													

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
3. Annual Mean 24-hour Forecast Track Error (in kilometers)		Typhoon-less than or equal to 100 km; Tropical Storm - less than or equal to 120 km	Typhoon-less than or equal to 100 km; Tropical Storm - less than or equal to 120 km	Typhoon-less than or equal to 100 km; Tropical Storm - less than or equal to 120 km	Typhoon-less than or equal to 100 km; Tropical Storm - less than or equal to 120 km	than or equal to 100 km; Tropical Storm - less	Ty=No Ty TS=209km	Ty=40.5km TS=112.7km.	Ty=79km TS=102.6 km	Ty=33.3km TS=81km			
Locally-Funded Project (s)													
Integrated Digital Weather Forecasting Project	310100200008000	7%	47%	92%	100%	100%	5%	15%	30%	36%	36%		
Improved Data Analytics on Weather Forecasting	310100200006000	11%	47%	88%	100%	100%	6%	6%	16%	24%	24%		
Digital Tape Library for Long-Term Data Storage	310100200011000	17%	42%	75%	100%	100%	10%	27%	32%	47%	47%		
FLOOD FORECASTING AND WARNING PROGRAM	310200000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster risks													
Outcome Indicator													
Reduced number of casualties		0	0	0	0	0	-	-	-	-	-		
Output Indicators													
Number of timely and accurate flood warnings issued		350	300	750	500	1,900	464	165	429	699	1,757		
Percentage of timely flood warning issued within		94%	94%	94%	94%	94%	94%	96%	98%	98%	97%		
fifteen (15) minutes of scheduled time													
Number of hazard maps developed/generated/updated		0	5	5	10	20	3	7	5	5	20		
Locally-Funded Project (s)													
Establishment of an Integrated Hydrological Data Management System (HDMS) for Flood Forecasters	310200200004000	0%	25%	100%		100%	0%	23%	25%	25%	25%		
Conversion of Mobile X-Band Radars Into Fixed Stations	310200200010000	0%	0%	30%	75%	75%	1%	9%	10%	25%	25%		
RESEARCH AND DEVELOPMENT ON ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL AND ALLIED SCIENCES PROGRAM	310300000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster risks													
Outcome Indicators													
Percentage of stakeholders who rated the		90%	90%	90%	90%	90%	92%	95%	99%	99%	96%		
forecasting capability services as satisfactory or											•		
better									,				
Percentage increase of LGUs that use the hazard maps		80%	80%	80%	80%	80%	100%	100%	100%	100%	100%		

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Output Indicators													
Number of researches/studies completed/published/		0	1	1	2	4	1	1	1	6	9		
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%	Kent II	
instruments, facilities and models through													
innovation, collaboration and linkages													
Number of technical assistance on actions/policies		27	22	22	27	98	20	23	132	131	306		
adapted by the LGU													
Locally-Funded Project (s)													
Harmonization of PAGASA Geographical Information System (GIS)- Base Products and Services	310300200011000	3%	20%	47%	67%	67%	3%	23%	55%	57%	57%		
Development of Research and Development Information System	310300200012000	1%	5%	9%	10%	10%	1%	4%	7%	12%	12%		100
Development of Research and Development Information System Storage Expansion	310300200013000	17%	35%	49%	59%	59%	13%	27%	36%	36%	36%		
Expansion Library Holdings and Development of Training Management Information System	310300200014000	15%	36%	43%	48%	48%	15%	35%	41%	44%	44%		
Development of Numerical Modelling Information System	310300200015000	17%	34%	52%	69%	69%	13%	27%	37%	47%	47%		
Development of HydroMet TropMet and Instrument Research Information System	310300200016000	0%	7%	10%	20%	20%	2%	5%	8%	15%	15%		
Development of Astronomical Archive Information System	310300200017000	4%	11%	18%	29%	29%	4%	10%	18%	29%	29%		

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