## QUARTERLY PHYSICAL REPORT OF OPERATIONS (BAR No. 1)

## **QUARTERLY PHYSICAL REPORT OF OPERATION** As of September 30, 2021

Department:

Agency:

Department of Science and Technology (DOST)
Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)

**Operating Unit:** 

< not applicable >

Organization Code (UACS):

19 010 0000000

| Particulars  | UACS CODE                                 |             | Physical       | lget Year)     | Ph          |                      |             |                |                |             |       |          |         |
|--|---|-------------|----------------|----------------|-------------|----------------------|-------------|----------------|----------------|-------------|-------|----------|---------|
|  |   | 1st Quarter | 2nd<br>Quarter | 3rd<br>Quarter | 4th Quarter | Total                | 1st Quarter | 2nd<br>Quarter | 3rd<br>Quarter | 4th Quarter | Total | Variance | Remarks |
| 1  | 2   | 3           | 4              | 5              | 6           | 7                    | 8           | 9              | 10             | 11          | 12    | 13       | 14      |
| SUPPORT TO OPERATIONS  |   |             |                |                |             |                      |             |                | . 383          |             |       |          |         |
| Locally-Funded Project (s)   |   |             |                |                | - 1881 E    |                      |             |                |                |             |       |          |         |
| All Weather Communication System (Phase 1)                         | 200000200011000                           | 80%         | 100%           |                |             | 100%                 | 30%         | 60%            | 95%            |             |       |          |         |
| Enhancement of PAGASA's Weather Observing Facilities               | 200000200006000                           | 64%         | 70%            | 86%            | 100%        | 100%                 | 62%         | 64%            | 78%            |             |       |          |         |
|  |   |             |                |                |             | we can know the care |             |                |                |             |       |          |         |
| OPERATIONS   |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| WEATHER AND CLIMATE FORECASTING AND WARNING                        | 310100000000000                           |             |                |                |             |                      |             |                |                |             |       |          |         |
| OO : Enhanced safety and resiliency of Filipinos to disaster risks |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| Outcome Indicator  |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| Percentage of 81 provinces including Metro Manila                  |   | 94%         | 94%            | 94%            | 94%         | 94%                  | 94%         | 94%            | 94%            |             |       |          |         |
| that have robust science-based weather related                     | 9   |             |                |                |             | 7 - 190              |             |                |                |             |       |          |         |
| information and services in their disaster risk                    |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| reduction plans  | M. C. |             |                |                |             |                      |             |                |                |             |       |          |         |
|  |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| Output Indicators  |   |             |                |                |             |                      |             |                | -              |             |       |          |         |
| Percentage of timely weather and tropical cyclone                  |   | 94%         | 94%            | 94%            | 94%         | 94%                  | 100%        | 100%           | 100%           |             |       |          |         |
| warnings issued within fifteen (15) minutes of                     |   | 1           |                |                |             |                      |             |                |                |             |       |          |         |
| scheduled time   |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| 2. Number of seasonal climate forecasts, climate impact            |   | 223         | 227            | 260            | 232         | 942                  | 224         | 256            | 272            |             |       |          |         |
| assessment, tropical cyclone warning advisory                      |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| (TCWA) for agriculture and farm weather forecasts                  |   |             |                |                |             |                      |             |                |                |             |       |          |         |
| and advisories issued  |   |             |                |                |             |                      |             |                |                |             |       |          |         |

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| Particulars   | UACS CODE       |   | get Year)   | PI  | hysical Acco  |   |                      |                          |                        |             |       |          |         |
|---|-----------------|---|---|---|---|---|----------------------|--------------------------|------------------------|-------------|-------|----------|---------|
|   |                 | 1st Quarter   | 2nd<br>Quarter  | 3rd<br>Quarter  | 4th Quarter   | Total   | 1st Quarter          | 2nd<br>Quarter           | 3rd<br>Quarter         | 4th Quarter | Total | Variance | Remarks |
| 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<br>than or equal<br>to 100 km;<br>Tropical<br>Storm - less<br>than or equal<br>to 120 km | Typhoon-less<br>than or equal<br>to 100 km;<br>Tropical<br>Storm - less<br>than or equal<br>to 120 km | Typhoon-less<br>than or equal<br>to 100 km;<br>Tropical<br>Storm - less<br>than or equal<br>to 120 km | than or equal<br>to 100 km;<br>Tropical<br>Storm - less | Typhoon-less<br>than or equal<br>to 100 km;<br>Tropical<br>Storm - less<br>than or equal<br>to 120 km | Ty=No Ty<br>TS=209km | Ty=40.5km<br>TS=112.7km. | Ty=79km<br>TS=102.6 km |             |       |          |         |
| Locally-Funded Project (s)  |                 |   |   |   |   |   |                      |                          |                        |             |       |          |         |
| Integrated Digital Weather Forecasting Project  | 310100200008000 | 7%  | 47%   | 92%   | 100%  | 100%  | 5%                   | 15%                      | 30%                    |             |       |          |         |
| Improved Data Analytics on Weather Forecasting  | 310100200006000 | 11%   | 47%   | 88%   | 100%  | 100%  | 6%                   | 6%                       | 16%                    |             |       |          |         |
| Digital Tape Library for Long-Term Data Storage   | 310100200011000 | 17%   | 42%   | 75%   | 100%  | 100%  | 10%                  | 27%                      | 32%                    |             |       |          |         |
| FLOOD FORECASTING AND WARNING PROGRAM   | 310200000000000 |   |   |   |   |   |                      |                          |                        |             |       |          |         |
| OO : Enhanced safety and resiliency of Filipinos to disaster risks                              |                 |   |   |   |   |   |                      |                          |                        |             |       |          |         |
| Outcome Indicator   |                 |   |   |   |   |   |                      |                          |                        |             |       |          |         |
| I. Reduced number of casualties   |                 | 0   | 0   | 0   | 0   | 0   |                      |                          | -                      |             |       |          |         |
| Dutput Indicators   |                 |   | 20  |   |   | 49.00   |                      |                          |                        |             |       |          |         |
| . Number of timely and accurate flood warnings issued   |                 | 350   | 300   | 750   | 500   | 1,900   | 464                  | 165                      | 429                    |             |       |          |         |
| 2. Percentage of timely flood warning issued within   |                 | 94%   | 94%   | 94%   | 94%   | 94%   | 94%                  | 96%                      | 98%                    |             |       |          |         |
| fifteen (15) minutes of scheduled time  |                 |   |   |   |   |   |                      |                          |                        |             |       |          |         |
| Number of hazard maps developed/generated/updated   |                 | 0   | 5   | 5   | 10  | 20  | 3                    | 7                        | 5                      |             |       |          |         |
| Locally-Funded Project (s)  |                 |   |   |   |   |   |                      |                          |                        |             |       |          |         |
| Establishment of an Integrated Hydrological Data Management System (HDMS) for Flood Forecasters | 310200200004000 | 0%  | 25%   | 100%  |   | 100%  | 0%                   | 23%                      | 25%                    |             |       |          |         |
| Conversion of Mobile X-Band Radars Into Fixed Stations  | 310200200010000 | 0%  | 0%  | 30%   | 75%   | 75%   | // 1%                | 9%                       | 10%                    |             |       |          |         |
| RESEARCH AND DEVELOPMENT ON ATMOSPHERIC,  | 310300000000000 | /   |   |   |   |   |                      |                          |                        |             |       |          |         |
| OO : Enhanced safety and resiliency of Filipinos to disaster risks                              |                 |   |   |   |   |   |                      |                          |                        | 48-28-3     |       |          |         |
| outcome Indicators  |                 |   |   |   |   |   |                      |                          |                        | 1/=13-21    |       |          |         |
| . Percentage of stakeholders who rated the  |                 | 90%   | 90%   | 90%   | 90%   | 90%   | 92%                  | 95%                      | 99%                    |             |       | 7        |         |
| forecasting capability services as satisfactory or  |                 | 10 T. 10 = 1  |   |   |   |   |                      |                          |                        |             |       |          |         |
| better  |                 |   |   |   |   |   |                      |                          |                        |             |       |          |         |
| . Percentage increase of LGUs that use the hazard maps  |                 | 80%   | 80%   | 80%   | 80%   | 80%   | 100%                 | 100%                     | 100%                   |             |       |          |         |
| *   |                 |   |   |   |   |   |                      |                          |                        |             |       |          | ***     |

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| Particulars  |                 |             | Physical       | Target (Bud    | dget Year)  | Pi    | ysical Acco |                |                |             |       |          |         |
|--|-----------------|-------------|----------------|----------------|-------------|-------|-------------|----------------|----------------|-------------|-------|----------|---------|
|  | UACS CODE       | 1st Quarter | 2nd<br>Quarter | 3rd<br>Quarter | 4th Quarter | Total | 1st Quarter | 2nd<br>Quarter | 3rd<br>Quarter | 4th Quarter | Total | Variance | Remarks |
| 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              | 1           |       |          |         |
| operationalized and development of real innovative/  |                 |             |                |                |             |       |             |                |                |             |       |          |         |
| pioneering projects  |                 |             |                |                |             |       |             |                |                |             |       |          |         |
| 2. Percentage of involvement on the localization of  |                 | 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    | 20          | 23             | 132            |             |       |          |         |
| adapted by the LGU   |                 |             |                |                |             |       |             |                |                |             |       |          |         |
| Locally-Funded Project (s)   |                 |             |                |                |             |       |             |                |                |             |       |          |         |
| Harmonization of PAGASA Geographical Information System (GIS)-<br>Base Products and Services | 310300200011000 | 3%          | 20%            | 47%            | 67%         | 67%   | 3%          | 23%            | 55%            |             |       |          |         |
| Development of Research and Development Information System                                   | 310300200012000 | 1%          | 5%             | 9%             | 10%         | 10%   | 1%          | 4%             | 7%             |             |       |          |         |
| Development of Research and Development Information System Storage Expansion                 | 310300200013000 | 17%         | 35%            | 49%            | 59%         | 59%   | 13%         | 27%            | 36%            |             |       |          |         |
| Expansion Library Holdings and Development of Training<br>Management Information System      | 310300200014000 | 15%         | 36%            | 43%            | 48%         | 48%   | 15%         | 35%            | 41%            |             | HABER |          |         |
| Development of Numerical Modelling Information System  | 310300200015000 | 17%         | 34%            | 52%            | 69%         | 69%   | 13%         | 27%            | 37%            |             |       |          |         |
| Development of HydroMet TropMet and Instrument Research<br>Information System                | 310300200016000 | 0%          | 7%             | 10%            | 20%         | 20%   | 2%          | 5%             | 8%             |             |       |          |         |
| Development of Astronomical Archive Information System                                       | 310300200017000 | 4%          | 11%            | 18%            | 29%         | 29%   | 4%          | 10%            | 18%            |             |       |          |         |

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