

**VOTE: 109****Uganda National Meteorological Authority (UNMA)****V1: VOTE OVERVIEW****i) Vote Strategic Objectives**

Improve the quality and quantity of meteorological services

Promote the use of meteorological services

Strengthen the institutional capacity to provide quality and timely meteorological products

**ii) Snapshot of Medium Term Budget Allocations****Table V1.1 Overview of Vote Medium Term Allocations (Ush Billion)**

| <i>Billion Uganda Shillings</i> | <b>FY2022/23</b> | <b>MTEF Budget Projections</b> |                |                |                |
|---------------------------------|------------------|--------------------------------|----------------|----------------|----------------|
|                                 |                  | <b>2023/24</b>                 | <b>2024/25</b> | <b>2025/26</b> | <b>2026/27</b> |
| Recurrent Wage                  | 7.413            | 7.413                          | 7.413          | 7.413          | 7.413          |
| Non Wage                        | 3.686            | 3.686                          | 3.686          | 3.686          | 3.686          |
| Dev. GoU                        | 14.202           | 14.202                         | 14.202         | 14.202         | 14.202         |
| ExtFin                          | 0.000            | 0.000                          | 0.000          | 0.000          | 0.000          |
| <b>GoU Total</b>                | <b>25.302</b>    | <b>25.302</b>                  | <b>25.302</b>  | <b>25.302</b>  | <b>25.302</b>  |
| <b>Total GoU+Ext Fin (MTEF)</b> | <b>25.302</b>    | <b>25.302</b>                  | <b>25.302</b>  | <b>25.302</b>  | <b>25.302</b>  |
| <i>A.I.A Total</i>              | 0                | 0.000                          | 0.000          | 0.000          | 0.000          |
| <b>Grand Total</b>              | <b>25.302</b>    | <b>25.302</b>                  | <b>25.302</b>  | <b>25.302</b>  | <b>25.302</b>  |

**Table V1.2: Medium Term Projections by Programme and Sub-Subprogramme**

| <i>Billion Uganda Shillings</i>  | <b>2022/23</b>         | <b>MTEF Budget Projection</b> |                |                |                |
|--|------------------------|-------------------------------|----------------|----------------|----------------|
|  | <b>Proposed Budget</b> | <b>2023/24</b>                | <b>2024/25</b> | <b>2025/26</b> | <b>2026/27</b> |
| <b>06 NATURAL RESOURCES, ENVIRONMENT, CLIMATE CHANGE, LAND AND WATER</b> |                        |                               |                |                |                |
| 01 National Meteorological Services                                      | 25.302                 | 25.302                        | 25.302         | 25.302         | 25.302         |
| <b>Total for the Programme</b>   | <b>25.302</b>          | <b>25.302</b>                 | <b>25.302</b>  | <b>25.302</b>  | <b>25.302</b>  |
| <b>Total for the Vote: 109</b>   | <b>25.302</b>          | <b>25.302</b>                 | <b>25.302</b>  | <b>25.302</b>  | <b>25.302</b>  |

**V2: MEDIUM TERM BUDGET ALLOCATIONS BY DEPARTMENT AND PROJECT****Table V2.1: Medium Term Projections by Department and Project**

| <i>Billion Uganda Shillings</i> | <b>2022/23</b>         | <b>MTEF Budget Projection</b> |                |                |                |
|---------------------------------|------------------------|-------------------------------|----------------|----------------|----------------|
|                                 | <b>Proposed Budget</b> | <b>2023/24</b>                | <b>2024/25</b> | <b>2025/26</b> | <b>2026/27</b> |

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|   |               |               |               |               |               |
|---|---------------|---------------|---------------|---------------|---------------|
| <b>Programme: 06 NATURAL RESOURCES, ENVIRONMENT, CLIMATE CHANGE, LAND AND WATER</b> |               |               |               |               |               |
| <b>Sub-SubProgramme: 01 National Meteorological Services</b>                        |               |               |               |               |               |
| <i><b>Recurrent</b></i>   |               |               |               |               |               |
| 002 Finance and administration  | 11.099        | 11.099        | 11.099        | 11.099        | 11.099        |
| <i><b>Development</b></i>   |               |               |               |               |               |
| 1678 Retooling of Uganda National Meteorological Authority                          | 14.202        | 14.202        | 14.202        | 14.202        | 14.202        |
| <b>Total for the Sub-SubProgramme</b>   | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> |
| <b>Total for the Programme</b>  | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> |
| <b>Total for the Vote: 109</b>  | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> | <b>25.302</b> |

## V3: VOTE MEDIUM TERM PLANS

### Planned Outputs for FY2022/23 and Medium Term Plans

|  |                   |
|--|-------------------|
| Plan FY2022/23   | MEDIUM TERM PLANS |
| Programme Intervention: 060601 Enhance access and uptake of meteorological information |                   |

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| <p>Feedback on utilisation of meteorological forecasts and impacts of severe weather conditions achieved in central, eastern, northern and western regions.</p> <p>Enhanced capacity on the utilization of short-term weather information through farmer engagement undertaken for 40 districts countrywide</p> <p>Four (4) seasonal climate outlooks produced, translated into local languages and issued on quarterly basis to the whole country</p> <p>ICT based dissemination platforms of climate information identified and utilized</p> <p>Ministries, Departments, Agencies (MDAs) and Local Governments (LG) engaged in the co-production and use of climate information for planning and decision making</p> <p>20 Media personnel trained in downscaling and interpretation of climate forecasts and information in order to increase access to the information by the communities in the districts</p> <p>Daily forecasts disseminated to 4 media houses of UBC TV, Star TV, Bukedde 1 T.V and 1 privately owned TV station after the newscasts in Luganda, Swahili and English</p> <p>Sensitization and feedback on Marine forecasts obtained</p> <p>Marine weather services expanded to cover Lake Albert</p> <p>Awareness programs on the importance and use of meteorological services developed and disseminated in line with WMO's Public Education and Outreach Programs through popularising of Meteorology in 40 primary and 40 secondary schools in Kumi, Serere, Katakwi, Kaberamaido, Soroti, Pallisa, Busia and Tororo districts</p> <p>Research studies undertaken to strengthen research on future climate trends and its impacts to produce an annual state of the climate report for Uganda for 2021 and a Preliminary State of the Climate of Uganda 2022</p> <p>Dissemination of daily weather information improved to Entebbe Airport station and other station visitors</p> | <p>Expand forecasting offices to regional aeronautical offices (Hoima International Airport, and aerodromes Arua, Kasese, Soroti, Gulu, Jinja)</p> <p>revamp the National Meteorological Training School (NMTS) for effective service delivery</p> <p>Strengthen the provision of marine services</p> <p>Develop and implement an integrated dissemination strategy for weather and climate information</p> <p>Use of Research and development to improve the quality and range of meteorological services</p> <p>Establish and disseminate Information on past and projected climate trends and impacts.</p> |
| <b>Programme Intervention: 060604 Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality</b>  |   |

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| 1 Automatic Weather Observing Stations for Pakuba procured and installed<br>5 Automatic stations in Albertine districts of Bundibugyo, Ntoroko, Buliisa, Kikuube and Kibaale established<br>Functionality of 15 RIKA AWS and 10 DAVIS AWS stations increased in Lamwo-LamwoTC, LamwoMadiope, Adjumani-AdjumaniTC, Adjumani-Itirikwa, Nwoya-Alero, Nwoya-Gotapwoyo, Amur-Ataiak, Amur-Biira, Kitgum-Mucwini, Kitgum-Orom, Agago-Adilang, Agago-Wol, Gulu-Paloro, Omoro-Lalogi, Pader-Lantanya<br>Functionality of 100 Rainfall Stations, 76 ADCON AWS and 53 manual weather stations maintained and improved across the country<br>Radar and Windshear Operations maintained at Lira, Rwampara and Entebbe<br>5 hydro-met stations of Butiaba, Pachwa, Ngoma, Nabwuin and Kyegegwa rehabilitated<br>Radar Operation centre at Kigungu constructed, Lira and Kigungu radar sites fenced off.<br>Calibration undertaken for 20 Atmospheric Barometers, 20 Air thermometers, 20 Sunshine sensors, 20 wind direction and speed sensors at 20 Weather stations<br>1 Air Pollution monitoring station Established in Mbarara<br>Upper Air Station in Entebbe and Ntusi weather station office rehabilitated<br>1 Zonal Office of Mbarara Operationalized and pit latrines of Ntusi and Kibanda constructed | 4 Manual Weather Stations and 75 Automatic stations established<br>Maintain functionality of 368 stations countrywide<br>Procure and install 164 digital thermometers<br>13 Agro-met stations Rehabilitated<br>8 hydro met stations rehabilitated<br>4 Synoptic Weather stations established<br>Calibration undertaken for 56 equipment at 56 Weather stations<br>3 Air Pollution monitoring facilities established in existing weather stations<br>Upper Air Station in Entebbe rehabilitated |
|---|--|

**V4: Highlights of Vote Projected Performance****Table V4.1: Budget Outputs and Indicators**

|   |   |                  |                   |                  |
|---|---|------------------|-------------------|------------------|
| <b>Sub SubProgramme:</b>                                | 01 National Meteorological Services                                 |                  |                   |                  |
| <b>Project:</b>   | 1678 Retooling of Uganda National Meteorological Authority          |                  |                   |                  |
| <b>Budget Output:</b>                                   | 000003 Facilities Management  |                  |                   |                  |
| <b>PIAP Output:</b>                                     | Functional automatic weather stations installed and maintained      |                  |                   |                  |
| <b>Indicator Name</b>                                   | <b>Indicator Measure</b>  | <b>Base Year</b> | <b>Base Level</b> | <b>2022-2023</b> |
|   |   |                  |                   | <b>Target</b>    |
| Number of automatic meteorological stations operational | Number  | 2020/21          | 91                | 100              |
| <b>Budget Output:</b>                                   | 000004 Financial and administration Management                      |                  |                   |                  |
| <b>PIAP Output:</b>                                     | Research on future climate trends and potential impacts undertaken. |                  |                   |                  |
| <b>Indicator Name</b>                                   | <b>Indicator Measure</b>  | <b>Base Year</b> | <b>Base Level</b> | <b>2022-2023</b> |
|   |   |                  |                   | <b>Target</b>    |
| Number of research studies undertaken.                  | Number  | 2020/21          | 2                 | 2                |
| <b>Budget Output:</b>                                   | 140013 Weather information processing                               |                  |                   |                  |
| <b>PIAP Output:</b>                                     | Functional automatic weather stations installed and maintained      |                  |                   |                  |

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| Indicator Name  | Indicator Measure  | Base Year | Base Level | 2022-2023 |
|---|--|-----------|------------|-----------|
|   |  |           |            | Target    |
| Number of automatic meteorological stations operational         | Number   | 2020/21   | 91         | 100       |
| <b>Budget Output:</b>   | 140014 Weather observation and forecasting                                   |           |            |           |
| <b>PIAP Output:</b>   | Weather and air pollution monitoring station network expanded and functional |           |            |           |
| Indicator Name  | Indicator Measure  | Base Year | Base Level | 2022-2023 |
|   |  |           |            | Target    |
| Functional automatic weather stations installed and maintained. | Number   | 2020/21   | 91         | 100       |
| <b>Budget Output:</b>   | 140017 Meteorological Research   |           |            |           |
| <b>PIAP Output:</b>   | Research on future climate trends and potential impacts undertaken.          |           |            |           |
| Indicator Name  | Indicator Measure  | Base Year | Base Level | 2022-2023 |
|   |  |           |            | Target    |
| Number of research studies undertaken.                          | Number   | 2020/21   | 2          | 2         |

**V5: VOTE CROSS CUTTING ISSUES****i) Gender and Equity**

|                                    |  |
|------------------------------------|--|
| <b>OBJECTIVE</b>                   | Increase access to weather and climate information   |
| <b>Issue of Concern</b>            | Access to weather and climate information by women, men and vulnerable groups is a challenge due to the dissemination mechanisms that have been previously used. |
| <b>Planned Interventions</b>       | Design different channels for dissemination of weather and climate information to the women, men and other vulnerable groups                                     |
| <b>Budget Allocation (Billion)</b> | 0.126  |
| <b>Performance Indicators</b>      | Number of dissemination channels for weather and climate information utilised (4)  |

**ii) HIV/AIDS**

|                                    |  |
|------------------------------------|--|
| <b>OBJECTIVE</b>                   | Increase access to medical care for HIV/AIDS related illness   |
| <b>Issue of Concern</b>            | There are days when data flow to the Headquarters is hindered by the absence of a staff to make observations at the weather stations due to HIV/AIDSs related illness. |
| <b>Planned Interventions</b>       | Provision of Medical insurance to all staff and implementation of the UNMA HIV/AIDS Policy   |
| <b>Budget Allocation (Billion)</b> | 0.7  |
| <b>Performance Indicators</b>      | Number of staff enrolled on the medical insurance scheme(218)  |

**iii) Environment**

|                         |   |
|-------------------------|---|
| <b>OBJECTIVE</b>        | Increase air pollution monitoring   |
| <b>Issue of Concern</b> | air pollution is a challenge which is partly because there's no equipment to monitor the pollution levels for appropriate actions to be taken |

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|------------------------------------|---|
| <b>Planned Interventions</b>       | Procure 1 air pollution monitoring equipment for 1 urban area |
| <b>Budget Allocation (Billion)</b> | 0.79  |
| <b>Performance Indicators</b>      | Number of air pollution monitoring equipment procured(1)      |

**iv) Covid**

|                                    |   |
|------------------------------------|---|
| <b>OBJECTIVE</b>                   | Enhance adherence to Standard Operating Procedures                      |
| <b>Issue of Concern</b>            | Adherence to Standard Operating Procedures issued by MoH is challenging |
| <b>Planned Interventions</b>       | Procurement of cleaning items and Covid 19 related items                |
| <b>Budget Allocation (Billion)</b> | 0.06  |
| <b>Performance Indicators</b>      | Number of stations supplied with cleaning items (53)                    |