

JOB DESCRIPTION

Job Title: Meteorological Technician I
Reports To: Meteorological Technician II
Ministry: Ministry of Agriculture
Department: Hydrometeorological Department

PURPOSE:

- To observe, encode/decode and disseminate meteorological data and to plot and process data for weather analyses.
- To process measured and recorded data for climate analyses.

KEY OUTPUTS:

- Quality controlled data sets.
- Timely and accurate data provided to users.
- Weather and climatic data disseminated to international weather centers in accordance with international commitments.

RANGE OF ACTIVITIES:

- Observers meteorological elements, recording and computing values of meteorological variables.
- Encoding data for dissemination to international weather centers and transmission of this data on telecommunication networks.
- Decodes data received from international weather centers.
- Compiles data on climatological forms.
- Cleans meteorological instruments.

NATURE AND SCOPE

Qualifications, knowledge and experience

Passes at the G.C.E. 'O' Level or C.X.C. Examination in at least (4) subjects (or equivalent) which shall include English Language, Mathematics and Physics;

OR

Passes at the G.C.E. 'O' Level or C.X.C. examination (or equivalent) in at least (3) subjects which shall include Mathematics, Physics or Physics with Chemistry, or Additional Mathematics, English Language plus a minimum of two (2) years satisfactory experience as a Hydrometeorological Technical Assistant;

Decision making, problem solving and impact on results:

The job holder is assisted in performing his/her duties by a guideline from the World Meteorological Organisation. He/she make quick decisions (within fifteen (15) minutes) on location when there is thunderstorms, squalls, fog, types of clouds and intensity of cloud and rain systems. Must have the ability to assimilate and correlate values of weather variables in order to diagnose current weather at a station.

The job holder makes contact with Air Traffic Controllers, Airlines, ground dispatch crews and other users of data in real-time. Errors in the provision of data such as altimeter setting can have serious consequences for aircraft operations. Errors in temperature and other variations can lead to faulty assessment of climate.

Resource Management:

Does not supervise staff.

Responsible for instruments that have an approximate value (\$500,000.00)

Communications:

The job holder briefs Air Traffic Controllers and airline flight dispatchers on prevailing weather conditions and trends for the next hour.

Working Conditions:

A shift is not ended unless a relief turns up; if not, the job holder has to work through another shift. Exposure to lightning strikes when making observations. When plotting charts, 3 to 4 hours of continuous visual and mental concentration is applied.