



WORLD METEOROLOGICAL ORGANIZATION

Request for assistance under the WMO Voluntary Co-operation Programme (VCP)*

1. *WMO Member:* REPUBLIC OF UGANDA
2. *National agency responsible for initiating the request:* DEPARTMENT OF METEOROLOGY
3. *Title of project:* UPGRADE OF UPPER AIR OBSERVATION STATION IN ENTEBBE, UGANDA
4. *Purpose and description of project (project plans: activities, actions, steps or phases; and assumptions used in the project plan)*

THE CURRENT UPPER AIR OBSERVING SYSTEM IN ENTEBBE WAS SUPPLIED AND INSTALLED BY VAISALA OF FINLAND IN 1990. IT HAS BEEN OUT OF SERVICE SINCE 2007 DUE TO SHORTAGE OF RADIOSONDES AND BREAK DOWN OF THE HYDROGEN GENERATOR. THERE IS ALSO NEED TO UPGRADE IT TO DIGICORA SOUNDING SYSTEM MW31.

Project plan:

<i>Activity</i>	<i>Responsibility</i>	<i>Time Frame</i>
Prepare Project Requirements	Uganda	February/April 2012
Procurement process of Equipment	WMO	May/June 2012
Industrial Training for Technical Staff	Vaisala/Supplier	July-August 2012
Delivery of Equipment to Entebbe	Vaisala/Supplier	August/September 2012
Installation/Training/Commissioning of Equipment	Vaisala/Supplier	October/November 2012
Inspection Mission	WMO/Vaisala	May/June 2013

5. *Overall goal(s) (Explanation of how the project is related to the WMO Long-term Plan and outline of any relevant national development plan including procurement plans from other sources, and existing facilities and expertise)*
 - THE PROJECT WILL HELP IN IMPLEMENTATION OF WWW PROGRAM AS THE NECESSARY DATA GENERATED WILL BE AVAILABLE ON GTS
 - MONITORING OF THE UPPER ATMOSPHERE OVER THE REGION WILL BE ENHANCED
 - UGANDA HAS ALREADY SIGNED A CONTRACT WITH VAISALA Oy TO SUPPLY RADIOSONDES AND NEW HYDROGEN GENERATOR. BALLOONS ARE IN STOCK
 - PHYSICAL INFRASTRUCTURE AND PERSONNEL TO MAN THE STATION ARE AVAILABLE, BUT MAINTENANCE PERSONNEL WILL NEED SOME INDUSTRIAL TRAINING ON THE NEW SYSTEM
6. *Expected outcomes (Global, regional or national benefits to be expected from the project)*
 - SUSTAINED UPPER AIR OBSERVATIONS/DATA AT NMC AND ON GTS
 - IMPROVED QUALITY AND ACCURACY OF PUBLIC AND AVIATION PREDICTIONS
 - AVAILABILITY AND IMPROVED QUALITY OF DATA FOR VALIDATION OF REGIONAL AND GLOBAL CLIMATE PREDICTION MODELS
7. *Nature and scope of national contribution to project, in particular as far as continuous operation of the equipment provided is concerned*
 - PROVISION AND MAINTENANCE OF INFRASTRUCTURE TO HOUSE THE INSTALLATIONS

- PROVISION OF MANPOWER TO RUN THE STATION
- RETRIVAL OF DATA AND TRANSMITTING IT ON GTS
- SUPPLY OF INPUTS/CONSUMABLES (RADIOSONDES, BALLOONS ETC) AND MAINTENANCE OF OPERATIONS

8. *Estimated duration to complete project, including training, if any*

TWO YEARS

9. *Nature and scope of VCP support and project budget proposal (with detailed description and the estimated cost of each item)*

THE VCP SUPPORT IS TO COVER UPGRADE OF THE CURRENT UPPER AIR OBSERVING STATION, ITS INSTALLATION, COMMISSIONING AND TRAINING OF FOUR TECHNICAL PERSONNEL

Budget:

SUPPLY AND INSTALLATION OF COMPLETE DIGICORA SOUNDING SYSTEM MW31	€.....
FACTORY TRAINING OF FOUR TECHNICAL STAFF	€.....
ONE EXPERT FROM SUPPLIER (VAISALA Oy) TO INSTALL THE EQUIPMENT	€.....
TWO EXPERTS FROM (WMO & VAISALA) FOR INSPECTION MISSION	€.....
OPERATIONAL STAFF TRAINING FOR FOUR DAYS AFTER INSTALLATION	€.....

NOTE: ACTUAL COSTS CAN BE PROVIDED BY VAISALA OR WMO PROCUREMENT UNIT

10. *If this request is related to the supply of specific equipment, components, software, etc., indicate the specific items required and supplier(s) that are known to be able to satisfy the requirement*

COMPLETE DIGICORA SOUNDING SYSTEM MW31 INCLUDING;

- SOUNDING WORKSTATION
- VAISALA SOUNDING PROCESSING SUBSYSTEM SPS311
- ANTENNAS
- GROUND CHECK SET

VAISALA Oy OF FINLAND IS THE SUPPLIER OF THE PREVIOUS AND CURRENT UPPER AIR STATIONS IN UGANDA

11. *Project partnerships, if any (e.g., if this project is to be combined with other funding, such as UNDP or national funds, please indicate the amount of other funds approved or requested)*

• NEWELECTROLYTIC HYDROGEN GENERATOR AND RADIOSONDES PAID FOR AND ARE EXPECTED TO BE DELIVERED BEFORE JUNE 2012. TOTAL VALUE	-	€ 137,904
• CURRENT STOCK OF BALLOONS JUST RECEIVED	-	€ 38,000
• ANNUAL INFRASTRUCTURE MAINTENANCE INCLUDING PERSONNEL	-	€ 60,000

12. *Reason why other sources of assistance cannot be expected*

GOVERNMENT HAS COMMITED FUNDS AND PROCURING PROCESS IS ON GOING FO SUPPLY FOR:

• CONVENTIONAL WEATHER INSTRUMENTS	-	€ 470,000
• AUTOMATIC WEATHER STATIONS	-	€ 300,000
• LOW LEVEL WINDSHEAR ALERT SYSTEM (CONTRACT SIGNED)	-	€ 430,000
• FEASIBILITY STUDY FOR MODERNISATION OF UGANDA METEOROLOGICAL SERVICE	\$	270,000. THIS IS FUNDED BY UNITED STATES TRADE AND DEVELOPMENT AGENCY AND CONTRACT IS ALREADY SIGNED

IN ADDITION, MORE FUNDS ARE COMMITTED TO TRANSFORM METEOROLOGICAL SERVICE TO AN AUTHORITY AND TO IMPLEMENT QUALITY MANAGEMENT SYSTEM

13. *Contact details of designated focal point who is responsible for the implementation and report of the project*

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Title: **ENGINEER**
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Signed:



Title: The Permanent Representative
of **UGANDA** with WMO
Authorized to sign on behalf of
the Government

Place: **KAMPALA**

Date: **17/2/2012**