



WORLD METEOROLOGICAL ORGANIZATION

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

1. **WMO Member:** Sudan
2. **National agency responsible for initiating the request:** Sudan Meteorological Authority
3. **Title of project:** Calibration Chamber
4. **Purpose and description of project (project plans: activities, actions, steps or phases; and assumptions used in the project plan)**

The purpose of the project is to calibrate the old and new equipments (AWS, Upper air stations, marine station, agromet stations and synoptic stations) to the WMO standard and to cope with the new QMS system.

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)**

Enhanced capabilities of Members to access, develop, implement and use integrated and interoperable surface-based systems for weather, climate and hydrological observations as well as related environmental observations, based on world standards set by WMO.

6. **Expected outcomes (Global, regional or national benefits to be expected from the project)**

Expected outcomes: Addresses improvements in three systems – WIGOS, WIS and a strengthened Global Climate Observing system, which will facilitate improvements in the quality of climate data from the entire climate system to meet the needs of international, regional and national users of climate data and derived products.

7. **Nature and scope of national contribution to project, in particular as far as continuous operation of the equipment provided is concerned**

The infrastructure of the calibration lab – continuous operation of the calibration lap

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

Two weeks for installation and training

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

Calibration chamber for temperature and Humidity

Estimated Cost = 60.000 Euro

Calibration chamber for Surface wind

Estimated Cost = 150.000 Euro

Total Estimated Cost = 210.000 Euro

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*

- 1- Pressure (climate)Chamber
- 2- Platinum or thermometer Temperature Sensor
- 3- Mercury Thermometer range-50 to 200⁰
- 4- Two pressure generator for Humidity
- 5- Salt solution Calibrator (10) set
- 6- Dew point meter
- 7- Wind tunnel

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)*

National Fund of about 6 Million Euros for rehabilitation of Sudan Meteorological Authority


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

With the current economic and financial problems it is unlikely necessary funding for the calibration chamber will be supported by the Government.

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

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Signed: 

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

Place: Khartoum

Date: 29/6/2013