TERMS OF REFRENCE OF THE EXPERT HYDROLOGIST

1. Context:

The Niger Basin Authority (NBA) and the French Agency of Development signed on October 14th, 2010 a convention CZZ 136901 G for the financing of the project " SUPPORT THE NIGER BASIN AUTHORITY IN THE PROCESS OF PROCUREMENT, PROCESSING AND MODELING OF HYDROLOGICAL DATA FOR EFFICIENT MANAGEMENT OF THE NIGER RIVER".

This financing constitutes the 2nd phase of the financing of the Integrated Water Resources Management process (IWRM) of the Niger Basin. The IWRM 2 Project is in line with this convention and follows up the Niger-HYCOS project implemented by the financing convention of IWRM 1.

The IWRM 2 Project integrating the Niger-HYCOS shutter is in line with the WMO WHYCOS program for the Niger Basin and is supervising by the World Meteorology Organization (WMO).

2. Description of the position:

The Hydrologist Expert is responsible for the execution of the development phase of the project, in accordance with the program established for this purpose by the Niger Basin Authority (Execution Agency), the WMO (Supervision Agency) and the donors.

The Hydrologist Expert is responsible for the implementation of the field and office technical activities and ensures the technical assistance of the project team. He supervises the elaboration of the working plan and the annual activities achievements, the data processing and the production of hydrological information.

The Hydrologist Expert is under the Authority of the project Coordinator. He collaborates with the teams of the NBA other structures in particular the NBO, the DAF, the NBA other projects/programs, the Technical Assistant and the project Coordinator.

3. The Hydrologist Expert Tasks

Under the direct supervision of the project Coordinator and in close collaboration with the NBA other executives involving in the project, the Hydrologist has to participate in the implementation of the various tasks planned within the framework of the Niger-HYCOS project and in particular, he has to:

(I) to participate, in collaboration with the other Expert involved in the execution of the project, to the implementation of activities envisaged in the activities planning;

(II) to Organize and/or supervise, if necessary, the training relating to hydrology planned within the framework of the project;

(III) to supervise the elaboration of the project working plan and activities reports that he assures the production;

(iv) to participate technically, in addition with the other Experts of the project, to the preparation, proceeding and the interns evaluation of project activities;

(v) to elaborate, in collaboration with the other Experts involved in the realization of the project, the background documents of the new phases of the project;

(VI) to elaborate and diffuse, in collaboration with the project technical team and other NBA resources people, the products and hydrological information for users;

(vii) to facilitate the development of synergies between IWRM 2 project and other NBA projects and programs and in the sub region of similar activities;

(viii) to supervise the following project technical experts team :

- ✓ Computer Expert ,
- ✓ Hydrologist Engineer in charge of database management and archiving;
- ✓ Operational Hydrologist in charge of DCP;
- ✓ Hydrologist Expert in charge data control and analysis ;
- ✓ Hydrologist Expert in charge of the maintenance of data collection Equipments.

The NBA Support Project financed by the FAD is subject to a total international supervision. Its Niger-HYCOS shutter is subject to a specific supervision by the World Meteorological Organization (WOM).

The Hydrologist Expert is under the responsibility of the project Coordinator, to whom he will directly report on the implementation of the duties, entrusted to him. He will be evaluated according to the procedures in force.

At the end of his mission, the Hydrologist Expert will provide a general report on all of his activities within the framework of the project.

4. Competences

- depth knowledge of the development and the water resources management in their relation with the formulation and the design of development strategies, the reinforcement of capacities, the production of knowledge;

- knowledge of problems related on the installation and the management of hydrological observation network and to the management of databases and hydrological information systems;

- ability to elaborate reports and documents on the development and the management of water resources;

- ability to take account of the risks and unforeseen in the planning, to follow up the execution of the plans, to modify them if necessary and to make the best use of the available time;

- ability to clearly and efficiently communicate orally an in writing;

- ability to listen the others, to well understand them and to give and to provide adequate follow up ;

- ability to facilitate the dialog and to share information with all those which it interests and to keep every one inform;

- ability to distinguish the needs for information users on water and to find ways to address in timely manner;

- ability to serve as a model for his surrounding and to give to each member of the team the means of their assigned objectives, to develop with dynamism the operational strategies required to obtain assigned results;

- ability to establish and maintain very different relations in order to understand the needs and to ensure his collaborators the support.

5. Training

The Hydrologist Expert must have at least a Bsc . Engineering. on hydrologist engineering (A'level+5), specialist in water resources with solid knowledge in continental surface hydrology, particularly in hydrometrics.

The Hydrologist Expert must have a good knowledge of new technologies for collecting data, data processing and dissemination of hydrometeorological data.

6. Professional experiences

The Hydrologist Expert must have proven experience of at least 10 years in operational hydrology. A proven experience in the design and the production of hydrological information as well as in the supply of services in building capacity and the training activities as well as a knowledge of new technologies for data collection, data processing and dissemination of hydrometeorological data.

Satisfactory evidence of works on development and management of water resources and particularly on IWRM is essential.

An experience in the organizations of development of river basins and in the development of HYCOS projects activities would also be an added advantage.

7. Languages skills

Written and oral mastery in either of the working languages (English or French) is required The knowledge of the other language would be an advantage.

8. Duration of the contract of the Expert Hydrologist

The duration of the mission of the Hydrologist Expert is 18 months with a possibility for renewal.

9. Administrative arrangement

All the administrative questions will be examined by the NBA Executive Secretariat. This One will facilitate the Hydrologist Expert official travel in its member countries or in any other country according to the project needs.

The Hydrologist Expert will have an office at the Technical Directorate of NBA.

10. Condition of age and nationality

The candidate must be 50 years old on December 31st, 2013 and must be from one of the NBA Member States.

12. Employment Place

Niger Basin Authority Niamey - Niger

11. Candidates' Files

- a covering letter addressed to the NBA Executive Secretary ;
- a recent and detailed curriculum vitae;
- a birth certificate;
- certified Copies of titles, diplomas and certificates of qualifications;
- certified Copies of the working Certificates;
- two (2) passport photos;
- a criminal record of less than three months;
- a certified copy of certificate of nationality or other document justifying the nationality;
- the Names and addresses of three (3) persons of reference

12. Employment Place

The position will be based at the Niger Basin Authority in Niamey – Niger