REQUEST FOR EXPRESSIONS OF INTEREST

(INDIVIDUAL CONSULTANT)

DATA ANALYTICS AND GOVERNANCE EXPERT

(MULTINATIONAL)

Regional Institutional Support Project for Public Financial Governance Phase II

Governance
Financing Agreement reference: 2100155042069
Project ID No.: P-Z1-KFO-075

The African Tax Administration Forum (ATAF) has received financing from the African Development Fund toward the cost of the Regional Institutional Support Project for Public Financial Governance – Phase II (RISPFG) and intends to apply part of the agreed amount for this Grant to payments under the contract for Data Analytics and Governance Expert.

The services included under this project are:

i. **Problem analysis and management**
   - Train South Sudan National Revenue Authority (NRA) officials to identify data driven /Machine Learning (ML) opportunities.
   - Identify enterprise wide and beyond constraints and
   - Develop and communicate data governance principles (data policy development and implementation and monitoring and evaluation).

ii. **Data collection and Integration**
   - Train NRA officials on how to discover new data sources and catalogue them.
   - Train NRA officials on how to create data pipelines and acquire access to new data sources.

iii. **Data exploration and preparation**
   - Train NRA officials on statistical analysis and visualization techniques, how to generate hypotheses and test the hypotheses.
   - Train NRA officials to analyse data and predict trends and patterns in taxpayer behaviour.
   - Enable quick identification and improvement of data issues.

iv. **Machine learning (ML) and Artificial Intelligence (AI)**
   - Train NRA officials on how to integrate domain knowledge in the ML solution.
   - Train NRA officials on how to apply various ML & AI techniques ,test ML models, storytelling of ML results and making recommendations.
   - Establish best practice around ML & AI production and infrastructure.
The Individual expert is expected to have among others the following qualifications and key competencies:

i. A master’s degree in computer science, data engineering, data analytics, economics, statistics or related qualification.

ii. Language: Excellent written and verbal English language skills for delivering the training materials and presentations. Fluency in French and Portuguese is an added advantage.

iii. General professional experience: A minimum of 5-10 years of relevant progressive experience in data science, analytics and governance.

iv. Specific professional experience: Advanced and demonstrated data collection and analysis skills both in qualitative and quantitative data. In-depth experience in data structure and data manipulation, preferably in a tax related environment.

v. Regional experience: Demonstrable experience in conceptualization and design of data science programmes and face-to-face or virtual workshop facilitation for multi-stakeholders’ audiences, ideally for international, regional or bilateral development organisations on related themes.

vi. Other: Data science and technologies skills such as SQL, Hadoop, Python and R, Spark, Machine Learning, with good report writing skills

Data Analytics and Governance Expert will be recruited for a period of 60 days spread over the period of one year

The African Tax Administration Forum now invites eligible consultants to indicate their interest in providing these services. Interested consultants must provide information indicating that they are qualified to perform the services (description of similar assignments, experience in similar conditions, availability of appropriate skills, etc.).

Interested consultants may obtain further information at the address below during office hours (8:00am to 4:00pm South African Time). Detailed Terms of Reference can be accessed through the link https://rb.gy/htkkd

Expressions of interest must be delivered to the link below by 17th August 2023 at 4:00pm South African time and mention “Data Analytics and Governance Expert”.

Attn: ATAF Corporate Services Unit
Procurement Specialist
333 Grosvenor Street, Hatfield
0083, Pretoria, South Africa
Tel: +27 12 451 8800
Email: procurement@ataftax.org

Here is the application link: https://rb.gy/htkkd