EXPRESSION OF INTEREST ON THE PROVISION BIG DATA IMPLEMENTATION AND DATA ANALYTICS SERVICES

CONTRACT NUMBER - BURS/IT/SER/17/2021-22

The Botswana Unified Revenue Service (BURS) seeks submissions of Expressions of Interest (EOI) to prequalify from 100% citizen owned registered companies to propose solutions for the implementation of an effective big data deployment and to produce descriptive and predictive data analytics.

The desired outcomes of the solution are two fold; -
- ➢ **Effective data warehouse** – An effective data warehouse that consolidates structured and unstructured data from all data repositories presented by BURS, including social media.
- ➢ **Effective data analytics –** To implement data visualizations based on all data science-enabling methodologies that give insightful reporting. This will include artificial intelligence with both supervised and unsupervised learning, data mining, graph theory etc.

BURS has adopted big data architecture using the Hadoop ecosystem. BURS is looking to enhance the existing eco-system through improved and optimized ingestion of structured and unstructured data produced in the operational environment. A selected vendor shall also be responsible to provide a comprehensive data processing and analysing approach for the ingested data.

Data visualization implementation that will make use on of machine learning algorithms to provide data exploration and predictive analytics. The scope of data to be visualized shall include streamed data from social media and core transactional systems. BURS currently implements the Jasper Reports Server as an enterprise reporting platform for all reporting and business intelligence. BURS has also deployed Spotfire, a leading analytics platform for data analytics visualizations and statistical analysis.

This call for EOI and pre-qualification is intended to identify service providers with the capacity and experience to implement a **Big Data implementation and Data Analytics services**. To prequalify to be invited to tender, all companies responding to this call for EOI must submit sufficiently detailed documentation that includes the following:

1. A brief company profile confirming in concise form, the structure of the company and holding companies (where applicable), date of establishment, ownership, and base of operations, experience.

2. The bidder must be registered with the Public Procurement and Asset Disposal Board (PPADB) under Code: 120 ICT technical support services, Sub Code: 01 systems development services and maintenance services.

3. List of similar completed projects together with at least one traceable written reference.

Bidders are urged to keep submissions (technical proposals) concise.

BURS will evaluate the submissions and short-list suppliers to be invited to tender.

Documents should be placed in a sealed envelope clearly marked **"Botswana Unified Revenue Service provision of Big Data implementation and Data Analytics services - BURS/IT/SER/17/2021-22"** and submitted no later than 1000 hours on **September 17th 2021** to:

BURS HQ, Plot 543379, Central District Business, South Block, Ground Floor

Enquiries may be addressed by email to: Mr. Mbako Chite Email: **procurement@burs.org.bw, before 10th September 2021.**