**Description:**

**Home Office (HO) – Data Service & Analytics (DSA) – Matching Entity Resolution Engine (EMRE)**

**Early Engagement Notice (EME)** – This is to notify Suppliers as to the upcoming opportunity and is not an invitation to bid.

**Route to market:** The route to market is anticipated to be Crown Commercial Services Framework for Big Data and Analytics – RM6195 – Lot 2 – Commercial off-the-shelf (COTS) software. Non-framework suppliers will have the opportunity to approach and team up with existing Framework suppliers.

**Location** – United Kingdom

**Indicative Value of Contract** – up to a maximum of £9,500,000 over the three (3) year initial term.

**Framework Supplier Engagement** – requirements issued w/c 20th November 2023 based on supplier providing expression of interest. Feedback on Requirements will be expected Noon Friday 24th November 2023)

**Target Further Competition Date** – November/December 2023

**Target Contract Award Date** – April 2024

**Target Contract End Date** – October 2027; plus, potential for up to a further 2 optional extension periods of twelve (12) months each

**Description**: The HO’s DSA portfolio is a centralised service within (HO Digital Data and Technology Directorate (DDaT) Enterprise Services and has been at the forefront of efforts to re-imagine the department’s relationship with data. It has led the way in professionalising our approach to the acquisition and analysis of data, promoting dynamic insight-led and evidence-based decision-making tools and techniques.

The HO Data Matching (EMRE) is a key component of the DSA Data Integration Service and is fundamental to the DSA data platform delivering on DSA’s vision to be at the forefront in the use of data analytics in Government.

Data Matching (EMRE) deals with a significant amount of data from a variety of streaming and batch sources, it is required to process large volumes of data in near-real time across a variety of data domains (Persons, Objects, Locations & Events (POLE)). The matching engine needs to meet functional requirements for both persisted and non-persisted Entity Resolution (by “non-persisted”, we mean being able to resolve records from across multiple persisted sources and provide a search/wash/look-up capability to find possible matches without storing data in the engine).

The matching engine needs to meet the non-functional requirements to support critical systems running at ports across the country 24/7/365

**Notes section**:

The purpose of this notification is to provide the Big Data and Analytics Lot 2 – Commercial off-the-shelf (COTS) software with early visibility of the requirement.

The Home Office intends to issue an overview of the requirements w/c 20th November 2023, this is to provide suppliers with sight of the expected ITT requirements with the Home Office expecting to obtain feedback and understanding of how submissions are going to be priced.

The Home Office reserves the right to change the scope of this notification prior to issuing a notice of the Further Competition; including but not limited to the contract scope, duration, and indicative value.

Please note that participation or non-participation in this part of the exercise will not influence or restrict Framework Suppliers during the Procurement process.

Registering your Expression of Interest:

Suppliers interested in receiving draft requirements for the ITT should express their interest via email to Jeremy.Bowland@homeoffice.gov.uk (& cc Nicholas.Sinclair1@homeoffice.gov.uk) by no later than **Noon** on **Friday 17th November 2023.**