**Land and Structural Condition Monitoring**

**Request for information**

November 2022

# Description of requirement

**Introduction**

The Coal Authority was established to undertake specific statutory responsibilities associated with

• handling subsidence damage claims which are not the responsibility of licensed coal-mine operators,

• dealing with property and historic liability issues, such as treatment and remediation of surface hazards associated with former coal mines

During the year 2020/2021 the Coal Authority received in the order of 500 residential, and 500 non-residential property claims and incidents, and estimates in the order of 500 claims per year of each going forward. Some of these claims and incidents require input from Consultant organisations to provide information to assist in the identification of the cause of subsidence events and damage, the level of ongoing movement and the effectiveness of treatment works following a subsidence event.

**Background**

The appointed organisation will be required to provide advice, support and expert analysis in three areas of monitoring and possible tilt valuations of accepted claims.

**Land monitoring, analysis and interpretation** - to record and measure the movement or deformation of a ground surface such as highways, tips, river embankments and agricultural land and land in residential areas, in order to ascertain whether an area is experiencing subsidence, slope failure of fill materials or settlement.

**Structural monitoring analysis and interpretation** - to record and measure the movement or deformation of a building or structure. In order to establish whether movement has occurred on a structure and assist with the determination of the probable cause, which will conclude whether the Coal Authority has a liability for repairs under the Coal Mining Subsidence Act 1991.

**Remote automated monitoring, analysis and interpretation** - provision, installation of remote monitoring equipment in addition to the analysis and interpretation of the data provided.

**Tilt valuations** – Assist in developing the information necessary for the calculation of the value of compensation for diminution due to tilt caused by coal mining subsidence.

**Regions required** -

• Scotland East and West

• Northumberland, Durham and Cumbria

• North Wales, Cheshire, Lancashire, North, South and West Yorkshire

• Nottinghamshire, Derbyshire, Leicestershire, Staffordshire, Shropshire, West Midlands, Warwickshire, Herefordshire and Worcestershire

• Somerset, South Gloucestershire, Bristol, South Wales, Pembrokeshire and North Gloucestershire (Forest of Dean)

The consultant will be required to cover all areas identified.

If you are interested in this requirement, please fill out the registration of interest form below and return back to [helenbaldwin@coal.gov.uk](mailto:helenbaldwin@coal.gov.uk) in the procurement team by 25th November 2022.

**Objectives**

We are proposing to create a procurement contract or framework of technical professionals who have the necessary skills, knowledge and experience to provide the following services:

* Assist the Coal Authority in the development of a monitoring regime that will provide the required information for specific projects. This may include type of survey, the use of specific technology and the development or modification of monitoring frequencies.
* Present survey data on CAD drawings as required with tabulated Excel data for each project.
* Provide expert analysis of data and provide regular communication after each survey to assist in the interpretation of the data, to assist in identifying as to whether the cause of any movement or deformation is due to legacy coal mining operations or other causes.

This request for information is being carried out in order to gain market intelligence and make a decision on the procurement route.

# Registration of Interest form

Please submit this form with attachments to [helenbaldwin@coal.go.uk](mailto:helenbaldwin@coal.go.uk) by 25th November 2022

|  |  |
| --- | --- |
| Company Name |  |
| Contact details - | |
| Name |  |
| Email |  |
| Tel |  |
| Mob |  |

**Question 1 –**

Please provide an overview of your company and the relevant services you can provide (max 2 pages)

**Question 2 -**

Please provide information on technical ability and relevant experience you have in working within land/structural movement monitoring.

* This should include details of formal qualifications and accreditations held within your company / personnel and examples of projects where you have provided similar monitoring and advice for the level/type and cause of the recorded movement.

(Max 3 Pages)

**Question 3 –**

Please confirm which of the regions within England, Scotland and Wales, identified previously you can deliver the requested services.