



Structural Investigation Services Limited  
23 Birkdale close, Manners Ind Est, Ilkeston, Derbyshire, DE7 8YA  
Tel : 01332 916137  
[info@structuralinvestigationservices.co.uk](mailto:info@structuralinvestigationservices.co.uk)  
[www.structuralinvestigationservices.co.uk](http://www.structuralinvestigationservices.co.uk)

Date: 17/06/2022

## **SPECIFICATION**

**Structural Investigation Services** is carrying out a project to **develop a new laboratory to service and grow existing work streams whilst offering an opportunity for further expansion** and is seeking quotes from suitable suppliers.

European Regional Development Fund funding is being sought to support this project.

## **TECHNICAL REQUIREMENTS**

We require the following products and services:

**Scrubbed fume cupboard with drip cup and cold water, vacuum and chilled water flow and return.**

**Core drill – As required by BS EN 12504-1:2009**

**Compression testing machine – As required by BS EN 12504-1:2009**

**Scale – As required by BS EN 12504-1:2009**

**Callipers – As required by BS EN 12504-1:2009**

**Guage – As required by BS EN 12504-1:2009**

**Squares and gauges – As required by BS EN 12504-1:2009**

**Cast concrete mould – As required by BS EN 12390-1**

**Jaw crusher – As required by BS 1881-124:2015**

**Hammer mill – As required by BS 1881-124:2015**

**Chisel-edged hand tool – As required by BS 1881-124:2015**

**Disc Grinder – As required by BS 1881-124:2015**

**Gyratory mills – As required by BS 1881-124:2015**

**Mechanical operated mortar and pestle – As required by BS 1881-124:2015**

**Test sieves with apertures of 63 µm, 125 µm, 4.0 mm, 2.0 mm and 500 µm complete with the appropriate size of lid and receiver – As required by BS 1881-124:2015**

**Permanent bar magnet – As required by BS 1881-124:2015**



Structural Investigation Services Limited  
23 Birkdale close, Manners Ind Est, Ilkeston, Derbyshire, DE7 8YA  
Tel : 01332 916137

[info@structuralinvestigationservices.co.uk](mailto:info@structuralinvestigationservices.co.uk)  
[www.structuralinvestigationservices.co.uk](http://www.structuralinvestigationservices.co.uk)

**Airtight bottles, made of glass or plastics and with a capacity of 100 mL to 500 mL – As required by BS 1881-124:2015**

**Saw, fitted with a diamond or carborundum blade – As required by BS 1881-124:2015**

**Device for sample reduction, e.g. a riffle box – As required by BS 1881-124:2015**

**Vacuum desiccator – As required by BS 1881-124:2015**

**Water pump – As required by BS 1881-124:2015**

**Vacuum pump – As required by BS 1881-124:2015**

**Airtight containers – As required by BS 1881-124:2015**

**Atomic absorption spectrophotometry – As required by BS 1881-124:2015**

**Thermogravimeter – As required by BS 1881-124:2015**

**Carbon dioxide instruments – As required by BS 1881-124:2015**

**Sulfide instruments – As required by BS 1881-124:2015**

**Ammonium chloride solution – As required by BS 1881-124:2015**

**Calcein (screened) indicator – As required by BS 1881-124:2015**

**Calcium standard solution – As required by BS 1881-124:2015**

**Threithanolamine solution – As required by BS 1881-124:2015**

**Sodium hydroxide solution – As required by BS 1881-124:2015**

**EDTA standard solution – As required by BS 1881-124:2015**

**Concentrated Hydrochloric acid – As required by BS 1881-124:2015**

**Dilute Hydrochloric acid – As required by BS 1881-124:2015**

**Ammonium hydroxide solution – As required by BS 1881-124:2015**

**Barium chloride solution – As required by BS 1881-124:2015**

**Methyl red indicator solution – As required by BS 1881-124:2015**

**Polyacrlamide solution – As required by BS 1881-124:2015**

**Polyethylene oxide solution – As required by BS 1881-124:2015**



Structural Investigation Services Limited  
23 Birkdale close, Manners Ind Est, Ilkeston, Derbyshire, DE7 8YA  
Tel : 01332 916137

[info@structuralinvestigationservices.co.uk](mailto:info@structuralinvestigationservices.co.uk)  
[www.structuralinvestigationservices.co.uk](http://www.structuralinvestigationservices.co.uk)

**Sodium carbonate solution – As required by BS 1881-124:2015**

**Orthophosphoric acid – As required by BS 1881-124:2015**

**Starch solution – As required by BS 1881-124:2015**

**Potassium iodate standard solution – As required by BS 1881-124:2015**

**Sodium thiosulfate solution – As required by BS 1881-124:2015**

**Stannous chloride, solid – As required by BS 1881-124:2015**

**Ammoniacal zinc sulfate solution – As required by BS 1881-124:2015**

**Tetrachlorethylene – As required by BS 1881-124:2015**

**Analytical balances – As required by BS 1881-124:2015**

**Beakers – As required by BS 1881-124:2015**

**Volumetric flasks – As required by BS 1881-124:2015**

**Pipettes – As required by BS 1881-124:2015**

**Burettes – As required by BS 1881-124:2015**

**Filtration apparatus – As required by BS 1881-124:2015**

**Magnetic and mechanical stirrers – As required by BS 1881-124:2015**

**Ashless filter paper – As required by BS 1881-124:2015**

**Volumetric glassware – As required by BS 1881-124:2015**

**250 mL polypropylene beakers – As required by BS 1881-124:2015**

**Plastic stirring rods – As required by BS 1881-124:2015**

**Furnace – As required by BS 1881-124:2015**

**Container, of nickel, stainless steel or refractory material – As required by BS 1881-124:2015**

**Boiling water/steam bath – As required by BS 1881-124:2015**

**Desiccator – As required by BS 1881-124:2015**

**Flame photometer – As required by BS 1881-124:2015**

**Apparatus for the determination of carbon dioxide content – As required by BS 1881-124:2015**



Structural Investigation Services Limited  
23 Birkdale close, Manners Ind Est, Ilkeston, Derbyshire, DE7 8YA  
Tel : 01332 916137  
[info@structuralinvestigationservices.co.uk](mailto:info@structuralinvestigationservices.co.uk)  
[www.structuralinvestigationservices.co.uk](http://www.structuralinvestigationservices.co.uk)

**Apparatus for the determination of sulfur content – As required by BS 1881-124:2015**

**Apparatus for the determination of calcium oxide content – As required by BS 1881-124:2015**

**Apparatus for the determination of insoluble residue, soluble silica and calcium oxide – As required by BS 1881-124:2015**

**Apparatus for the determination of loss of ignition – As required by BS 1881-124:2015**

**Apparatus for the determination of sulfide – As required by BS 1881-124:2015**

**Apparatus for the determination of water combined content – As required by BS 1881-124:2015**

**Apparatus for the determination of water and cement content – As required by BS 1881-124:2015**

**Apparatus for the determination of cement content – As required by BS 1881-124:2015**

**Apparatus for the determination of aggregate porosity – As required by BS 1881-124:2015**

**Apparatus for the determination of aggregate combined water content – As required by BS 1881-124:2015**

**Apparatus for the determination of chloride content – As required by BS 1881-124:2015**

**Apparatus for the determination of sulfate content – As required by BS 1881-124:2015**

**Apparatus for the determination of sodium oxide and potassium oxide contents – As required by BS 1881 - 124:2015**

**Reprogramming of existing company software systems to align with new laboratory and/or provision of a new laboratory specific software – one off payment**

**Laboratory Manager Technical Consultancy – 6 months part time at £250 per day – Service includes provision of laboratory manual, negotiation with suppliers, project management of laboratory setup and assessment of applicants for full time laboratory roles.**

#### **SELECTION:**

The selection of the supplier will be based on an assessment of the following criteria:

- Price
- How you meet the specification
- Proven track record and experience
- Ongoing support

#### **HOW TO APPLY:**



Structural Investigation Services Limited  
23 Birkdale close, Manners Ind Est, Ilkeston, Derbyshire, DE7 8YA  
Tel : 01332 916137

[info@structuralinvestigationservices.co.uk](mailto:info@structuralinvestigationservices.co.uk)  
[www.structuralinvestigationservices.co.uk](http://www.structuralinvestigationservices.co.uk)

Please submit your written quote by email to David Radley of Structural Investigation Services at [david@structuralinvestigationservices.co.uk](mailto:david@structuralinvestigationservices.co.uk) by 5pm on 8<sup>th</sup> July 2022.