**Schedule A**

**HSE/T3860**

**STATEMENT OF SERVICE REQUIREMENTS FOR THE PURCHASE**

**OF GRINDING WHEEL SET FOR PREPARATION OF METALLURGICAL SAMPLES**

**1. SCIENCE DIVISION, HEALTH AND SAFETY EXECUTIVE**

The Health and Safety Executive (HSE) is a Crown non-departmental public body with specific statutory functions in relation to health and safety. It is appointed by the Secretary of State for Work and Pensions and employs around 3500 staff including policy advisers, inspectors, technologists and scientific and medical advisers. HSE’s job is to prevent people being killed, injured or made ill by work.

HSE consists of a governing Board comprising of a Chair and nine non-executive members, all of whom are appointed by the Secretary of State for Work and Pensions after consultation with organisations representing employers, employees, local authorities and others, as appropriate. HSE comprises various directorates and groups and is led by a senior management team. HSE`s Science & Research Centre is located within a 550 acres site near Buxton in Derbyshire and is part of HSE`s Science Division. HSE works from over 30 locations throughout Great Britain.

The Science and Research Centre is Britain's leading industrial & occupational health and safety research facility. Science Division supports HSE’s mission to protect the health and safety of the national workforce by ensuring risks in the workplace are adequately controlled.

Science Division employs circa 420 people including scientists, engineers, psychologists, social scientists, health professionals and technical specialists. Its capabilities encompass a wide range of topics including: health solutions, risk and human factors, fire, explosion and process safety; occupational and environmental health; safety engineering; work environment; and specialist photographic and technical services.

Services Include:

* Research and development;
* Specialist advice and consultancy;
* Forensic investigation into the causes of accidents;
* Environmental and biological monitoring;
* Assessment of levels of risk and investigation of their control;
* Establishing realistic requirements for standards, and processes or meeting those standards;
* Validation and certification; and
* Training.

To deliver these services Science Division has advanced facilities that range from high power computers for modeling and analysis, well equipped laboratories covering biomedical, occupational hygiene and environmental work to unique facilities for large scale experiments in the areas of engineering, fires, explosions and process safety.

**2. SCOPE OF THE REQUIREMENT**

2.1 HSE’s Science and Research Centre near Buxton has a requirement for the supply and delivery of the following items;

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| **Area** | **Essential requirements** | **Explanatory notes** |
| **Basic information** | * Bench mounted metallurgical grinding wheel set (with manual operation) * System of circular rotating platens to which circular grinding papers are attached * Suitable for manual grinding and polishing of metallurgical samples, predominantly ferrous * Each unit to be a twin, with two wheels and water nozzles * Three sets of twin units required in total * At least one of the units must also be suitable for polishing of metallurgical samples | * Essential requirement is that units must be twins * Must be bench mounted * Three such units required |
| **Services Requirements** | * Water, power and air requirements * Please specify whether normal mains water pressure is sufficient |  |
| **Platens** | * Platen size of 250 to 300 mm required * Please state platen size * Grinding papers to have the option to be held mechanically (Not using adhesive) |  |
| **Speed/ rpm**  **and direction of rotation** | * Please state speed (if fixed) or speed range (if variable) * Platen speed of approx. 400rpm required * Please state direction of rotation of platens (clockwise, counter-clockwise) | Variable speed desirable |
| **Water flow** | * State water flow control method (manual, automatic etc) | Variable flow desirable |
| **Manual/ automatic** | * Manual specimen handling required. * However, equipment should have option of later adding specimen holder/swing head and automatic specimen preparation option | Option for future upgrading to automatic head desirable |
| **Emergency stop** | * Equipment must have automatic stop facility | Essential requirement |
| **Cleaning** | * Removable platens and bowls to facilitate cleaning | Essential requirement |
| **Lids and splash guards** | * Lids for each disc to be included * Splash guards required | Essential requirement |
| **Dimensions** | * Please state width and length of unit | Unit must fit on bench top of width 850 mm |
| **Installation and setup** | * Must be included as part of price | Installation location is Buxton, Derbyshire |
| **Warranty** | * Please state warranty period |  |
| **Lead time** | * Please state best lead time from receipt of order |  |

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| 2.3 HSE requires new and unused items only and for them to be delivered and invoiced by 12 March 2021.  **3. TENDER SUBMISSIONS**  3.1 All tenderers must complete the Tender Submission Form at Schedule B and to provide a quote for supply and delivery of these components.  **4. EVALUATION CRITERIA**  4.1 Quotes will be evaluated on the following   * Ability to match this equipment list closest * Lowest price * Ability to deliver before the end of the financial year. |  |  |
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