Invitation to Tender

Purchase of Stereo Modular Microscope

**BIG2042\_1**

(Please state this reference on all communications with us)

# Background

Grinding Solutions Limited (GSL) provides a diverse range of metallurgical and mineral processing consultancy and laboratory services. The company has developed expert internationally recognised knowledge and expertise in the minerals and mineral processing industries with over 30 years of experience working with a worldwide client base. The laboratory is equipped with a suite of internationally accepted metallurgical and mineral processing testing equipment which can be applied to projects of any scale. Together with professional relationships with numerous international mining and mineral processing equipment and service suppliers, Grinding Solutions offers up to date, accurate and reliable mineral processing consultancy and laboratory services.

In order to expand the scope of our laboratory services we are looking to purchase the following items:

* Stereo Modular Microscope

This investment would enable us to expand the scope of our laboratory services and our competitive advantage and help us win big projects that we might otherwise have lost by only being able to offer certain individual services. It will help us offer more high level experimental procedures and analysis and faster turnaround times, setting us apart from our competitors.

The purchase of these items is part of a grant funded application process and therefore procurement will be subject to grant approval of the project as a whole. We will compare tenders received on a compliance basis and is awarded on the lowest compliant tender.

# Project Specifications

Project Title: Purchase of Stereo Modular Microscope & integrated PC workstation.

Project Reference: BIG 2042\_1

(Please state this on all communications with us)

## Stereo Modular Microscope with the following key feature set:

## Binocular phototube for 51-75mm eye distance

## Eyepiece 10x23 Br foc

## Folding Eyecup

## Mount with up to 76mm support

## Lense with 0.63x

## Manual focus with coarse and fine drive

## Dust protection cover, eyepiece cover and protection cap

## Cold light source up to 900lm light flux and max 6500k colour temperature, BNC socket for trigger input, 2 CAN RJ45 sockets for light control

## Telescopic diffuser

## Objective slider for vertical imaging

## C-mount adapter 0.63x

## Digital microscopy camera including 64bit software driver minimum pixel count 5million capable of live frame rates of; H2452 x V2056 @ 9 frame rates per second. Digitization: 12 Bit / Pixel

## Environmental Operating Conditions:

## +5 - +45 Celsius, maximum 80% relative air humidity, non condensation

## Supported operating systems:

## Windows OS, preferably 7 x32 bit or 7 x 64bit

## Additional language pack for Windows OS

## Installation plus minimum half-day on site setting to work /user familiarisation and configuration

## Image acquisition and processing for light microscopy using Windows 7 (64 bit)

## - Stepless scaling and zooming for optimal adjustment to screen size

## - Transfer of information from encoded components into the software

## - Image acquisition with b/w, colour, high-resolution and high-sensitivity cameras, b/w images with up to 16 bits, colour images with up to 3 x 16 bits.

## - Adjustment of the display parameters without changing the pixel values

## - Fully automatic assignment of geometric scalings when acquiring an image

## - Recording and saving of acquisition history as meta data

## - Automatic saving of acquired images

## - Full integration into the Windows multi-user functionality

## - Application specific user management

## - Configuration options for the graphical user interface: Generation of workbenches, creation of Job templates, execution of job templates bars and definition of properties of standard graphic elements

## - Save into BMP, GIF, JPG, PNG, TIFF, WDP, WMP image formats

## - Navigator window

## - Interactive measurement: length, contour-based measurement data (area, box, perimeter, gray values), angle

## - Management, visualization and printing of meta data and images

## - µ bar scalings

## - Text annotation

## - Postprocessing of images: standard operations for image optimization (contrast, brightness, gamma, colours, smoothing, sharpening, geometric corrections)

## - Panorama for acquisition of Tiles Images with manual stage

## - Manual Extended Focus (EDF) capability

## - Creation of Microsoft Word reports

## - Data Archive for saving images and documents

## - Data Archive for managing templates

## - Interface to ImageJ software

## Image Analysis - segmentation, object separation and masks. Geometrical and intensity measurements. Data display in table and list style. Hierarchical measurements. Batch processing functions

## Integrated PC workstation with the following key feature set:

## CPU Intel Corei5 Speed minimum 3.2 GHz 6 MB / 2133 MHz, or equivalent

## Memory: 64 GB RAM

## Memory Expansion Slots: 4 x DDR3-RAM modules

## 4 x PCI slots or equivalent

## 1 x M.2 Slot

## Graphics interface card on board

## 2 x Display Port 1.2 (max. 3840 x 2160 pixel),

## 1 x DVI-D single link (max. 1920 x 1200 pixel)

## Hard Drives: 1 x 4 TB minimum at SATA 7200 rpm or equivalent

## Optical Storage: DVD +/- RW recorder for rewriteable media

## Network Controller: Integrated 10/100/1000 LAN interface

## 6 x USB 3.0

## 4 x USB 2.0

## 16 GB Extra memory

## Monitor TFT min size 24”

## Language Pack Windows OS 7, or equivalent

## Keyboard (English layout)

## One year warranty and 3 year service package with next day guaranteed visit

## Please include delivery to GSL, Unit 14, TR2 4HF

# ITT Timetable

The anticipated timetable for submission of the tender and commission milestones are set out below:

|  |  |
| --- | --- |
| Activity | Date |
| Date ITT available on Contracts Finder | (23 Aug 2016) |
| Last date for raising queries | (1 Sept 2016) |
| Last date for clarifications to queries | (5 Sept 2016) – extended from Sept 3 |
| Deadline to return ITT | (9 Sept 2016) |
| Evaluation of ITT | (12 Sept 2016) |
| Award of Contract | This is subject to successfully obtaining grant funding and will normally be no later than 90 days from contract evaluation |

# Conflicts of Interest

Please provide a statement with regards to a conflict of interest for this procurement through the provision of either:-

A Declaration that to your knowledge there is no conflict of interest between your company and the GSL that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure.

Or

A Declaration that there is a likely conflict of interest between your company and GSL that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure, please provide details of this connection.

This will permit GSL, that in the event of a conflict of interest, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial party.

**Exclusion**

GSL shall exclude applicants from participation in this procurement procedure where they have established or are otherwise aware that the applicant, to include administrative, management or supervisory staff that have powers of representation, decision or control of the applicants company, has been the subject of a conviction by final judgment of one of the following reasons:-

Participation in a criminal organisation

Corruption

Fraud

Terrorist offences or offences linked to terrorist activities

Money laundering or terrorist financing

Child labour and other forms of trafficking in human beings

# Consortium or sub-contracting

Where a consortium or sub-contracting approach is proposed, all information requested should be given in respect of the proposed prime contractor or consortium leader. Relevant information should also be provided in respect of consortium members or sub-contractors who will play a significant (greater than 25%) role in the delivery of the services under any ensuing Contract.

# Tender Application Requirements

Please provide paper copies of your application which should include:

1. Confirmation that you the supplier are able to meet the requirements outlined in the brief above.
2. Have included the Reference requested be used with all Tenders
3. Details of who to contact in your company in relation to this tender
4. Total cost of providing the goods/services requested in the format required with a breakdown to include:

* Stereo Modular Microscope

# Integrated PC workstation

## 3 year service package with next day guaranteed visit

# Delivery to GSL, Unit 14 TR2 4HF

# Tender Scoring Criteria

The tender will be scored only on their compliance to the specification set out in section 2 and awarded to the lowest compliant tender.

# Tender Returns

Tenders may be returned by email or post, or by delivery in person.

Tenders are to be returned by:-

Latest date to be returned: 9 September,

Latest time to be returned: 16:00

If submitting by **email,** tenders should be sent electronically to [felicity@grindingsolutions.com](mailto:felicity@grindingsolutions.com)

with the following message **clearly noted in the Subject box; ‘**Purchase of Stereo Modular Microscope BIG2042\_1’

Tenderers are advised to request an acknowledgement of receipt when submitting by email.

If submitting by post or in person, the Tender must be enclosed in a sealed envelope, only marked as follows:-

Tender - Strictly Confidential – ‘Purchase of Stereo Modular Microscope ’

Contract Reference Number: BIG2042\_1

Addressed to:

Felicity Wilshaw

Grinding Solutions Limited

Unit 14 Tresillian Business Park

Tresillian

Truro

Cornwall TR2 4HF

The envelope should not give any indication to the Tenderer’s identity. Marking by the carrier will not disqualify the tender.

If delivery **by hand** please obtain an official Receipt at point of delivery

# Clarification

There will not be any negotiations of any of the substantive terms of the Tender Documents. Only clarification queries will be answered. Any clarification queries arising from the Tender Documents which may have a bearing on the offer should be raised as soon as possible in writing. The deadline for clarification questions is 1 September 2016. All e-mailed queries should be sent to:-

Name: Felicity Wilshaw

E-mail: Felicity@grindingsolutions.com

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, Contract or other Tender Documents or as to any other matter or thing to be done under the proposed contract shall bind us unless such representation is in writing and duly signed by Felicity Wilshaw of GSL by 5 September 2016. All such correspondence shall be returned with the Tender Documents and shall form part of the Contract.

Tenderers must provide a single point of contact in their organisation for all contact between the Tenderer and GSL.

Responses to any queries will be shared through the Contracts Finder website

# Disclaimer

The issue of this documentation does not commit GSL to award any contract pursuant to the bid process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between GSL or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between GSL and any other party (save for a formal award of contract made in writing by or on behalf of GSL).

Bidders must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to bidders by GSL or any information contained in GSL’s publications are supplied only for general guidance in the preparation of the tender response. Bidders must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by GSL for any loss or damage of whatever kind and howsoever caused arising from the use by bidders of such information.

Bidders shall be responsible for their own costs and expenses in connection with or arising out of their response. GSL reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render GSL liable for any costs or expenses incurred by bidders during the procurement process.