**Invitation to Tender**

**Roll Plate Bending Machine**

**Ref: BUS001 -013**

# 1. About Spiral Construction Limited

The business was originally set up to produce concrete spiral staircases. As a result, we developed an exceptional level of specialist expertise in spiral staircase design and spiral staircase installation.

As the company’s customer base grew, we expanded into other forms of bespoke staircases, working with a wide range of materials, including steel, glass, wood and stone.

Today, we have become the leading specialist staircase manufacturers, working across the UK, with a national reputation for outstanding innovation, product quality and customer service.

We now operate from premises in Helston, Cornwall and St Ives, Cambridge. With a highly skilled team of over 50 people, we combine the latest technologies with design flair and craftsmanship, to create stunning staircases for many of the country’s most prestigious buildings.

# 2. Background and Context

To enable our continued growth, we are looking to purchase a Roll Plate Bending Machine

The purchase of this system is part of a grant funded application process and therefore procurement will be subject to grant approval of the project. We will assess tenders received on lowest compliant Tender.

# 3. Tender requirements

The successful tenderer will be expected to meet or exceed the following specification:

3.1 General

1. The machine must be particularly suitable for medium plate and heavy plate for the production of cylinders and varying radiused parts
2. Bottom pinching roll with hydraulic positioning. (Top and Down movement)
3. Two lateral rolls with double pinch pyramid action. Bottom pinching and lateral rolls with balancing system to guarantee perfect parallelism for high quality production
4. Digital displays for locating setting of roll positions.
5. Hydraulic drop end for ease of cylinder removal
6. All control operations to be located on an independent mobile control console.
7. Induction hardened rolls are of high tensile carbon steel forgings, heat treated and submitted to non-destructive structure controls.
8. Emergency system : Safety string barier around the machine and emergency push button

3.2 Technical

1. Useful length : minimum of 2500mm
2. Central rolls : between 300 and 400mm
3. Side rolls : between 250 and 300mm
4. Motor power : minimum 23 KW(total)
5. Working speed :1.5 – 5 m/min (double speed)
6. Power Supply :3 phase supply

3.3 Machine Performance

3.3.1 Pre – Bending

1. min. inside diameter = 525mm : mm 16 (1.5 x Top Roll Dia )
2. min. inside diameter = 1750mm : mm 20 ( 5 x Top Roll Dia )

3.3.2 Bending

1. min. inside diameter = 525mm : mm 20 (1.5 x Top Roll Dia )
2. min. inside diameter = 1750mm : mm 25 ( 5 x Top Roll Dia )

Note. All Bending capacities are calculated based on 24 kg/mm2 Yield Point Material (ST 37 – ST 42 Mild Steel Plates)

3.3.3 Cone Bending Capacity

1. min. inside diameter = 525mm : mm 8 (1.5 x Top Roll Dia )(ST 42 Mild Steel Plates) Stainless Steel capacity up to 8mm

3.4 Built according to EC Safety Directives .(CE Mark)

3.5 Be a ISO9001:2008 accredited company. Please provide a copy of your certification

3.6 Users Manual in English

3.7 Minimum of 12 months warranty

3.8 An engineer to attend when the machine is delivered to undertake commissioning, Factory Acceptance Test (FAT) and operating training.

3.9 Delivery to our premises Water-Ma-Trout Industrial Estate, Helston, Cornwall, TR13 0LW.

4**. Budget**

The total maximum budget available for this commission is £110,000.00 (exc VAT) but inclusive of all expenses.

**Tenders that exceed the total budget will not be considered.**

The budget will be reviewed as part of the tender evaluation detailed in Section 10 and will reflect the degree to which there is a saving on the maximum budget

# 5. Tender and commission timetable

The timescale of the programme is from the date of signing the contract until completion of a successful FAT. The timetable for submission of the Tender, completion of the programme are set out below.

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Date ITT available on Contracts Finder | 23 February 2024 |
| Last date for clarifications to queries to be raised | 1700: 04 March 2024 |
| Last date for response to clarifiations to be posted on Contracts Finder | 05 March 2024 |
| Deadline to return ITT | **1700:15 March 2024** |
| Evaluation of ITT | 18 March 2024 |
| Award of Contract | This is subject to successfully obtaining grant funding and will normally be no later than 90 days from contract evaluation |

# 6. Tender submission requirements

Please include the following information in your Tender submission.

6.1 Please provide your proposal and any necessary technical or specification sheets.

6.2 Complete the compliancy matrix enclosure 1. This should demonstrate how you meet or exceed the requirement in section 3. Where necessary please answer by cross referring to any proposal or technical or specification sheets provided in 6.1.

6.3 Copy of your company’s Terms and Conditions and Payment Plan

**7. Sub-contracting**

Tenderers should note that a consortia can submit a tender but the sub-contracting of aspects of this commission after appointment will only be allowed by prior agreement with Spiral Construction Limited.

**8. Conflicts of Interest**

Tenderers must provide a clear statement with regard to potential conflicts of interests. Therefore, **please confirm within your tender submission** whether, to the best of your knowledge, there is any conflict of interest between your organisation and Spiral Construction Limited or its programme team 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 the impartiality and independence of any party in the context of this procurement procedure.

Receipt of this statement will permit Spiral Construction Limited to ensure that, in the event of a conflict of interest being notified or noticed, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial panel.

# 9. Tender clarifications

Any clarification queries arising from this Invitation to Tender which may have a bearing on the offer should be raised by email to:

[Andrew.Holland@Spiral.uk.com](mailto:Andrew.Holland@Spiral.uk.com)

in accordance with the Tender and Commission Timetable in section 5.

Responses to clarifications will be anonymised and uploaded by Spiral Construction Limited to Contracts Finder and will be viewable to all tenderers.

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 Spiral Construction Limited unless such representation is in writing and duly signed by a Director/Partner of the tenderer. All such correspondence shall be returned with the Tender Documents and shall form part of the contract.

# 10. Tender evaluation methodology

Each Tender will be checked for completeness and compliance with all requirements of the ITT. The award of the contract will be to the LOWEST COMPLIANT BID.

11**. Tender Award**

Any contract awarded as a result of this tender process will be in accordance with this ITT and the tenderer’s response.

# 12. Tender returns

Tenders are to be returned by email.

Tenders are to be returned in accordance with Section 5

Latest date to be returned: As per Section 5

Latest time to be returned: 17:00

Emailed tenders should be sent electronically to:

[Andrew.Holland@Spiral.uk.com](mailto:Andrew.Holland@Spiral.uk.com)

with the following message clearly noted in the Subject box;

‘Roll Plate Bending Machine’

**Tenderers are advised to request an acknowledgement of receipt of their email.**

**13.** **Disclaimer**

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

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

Spiral Construction Limited 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 Spiral Construction Limited liable for any costs or expenses incurred by tenderers during the procurement process.

# 14. Enclosures

1. Compliancy Matrix