

REQUEST FOR EXPRESSION OF INTEREST PROVISION OF PIPE BENDING MACHINES (A101029)

1. INTRODUCTION

ASC is seeking information on replacement workshop equipment and request expressions of interest (EOI) for the supply, install and maintenance of a suitable solution.

2. SCOPE OF WORK

ASC is seeking Expressions of Interests (EOI) for the provision of the below equipment to be supplied to either ASC's South Australian or Western Australian sites:

- Small Pipe Bending Machine (less than 40mm)
- Large Pipe Bending Machine (less than 140mm); and
- Tooling, Jigs and Fixtures Requirements.

The technical requirements are detailed in Appendix A to this EOI.

3. EOI SUBMISSION REQUIREMENTS

All interested companies must submit a detailed description of their capabilities, including:

- The company's trading name, website, ABN, number of employees and annual turnover;
- The company's capacity and capability to provide the scope of work (as detailed in Appendix A – Technical Requirements);
- The details of other projects in which the company supplied similar scope;
- What State/s the company has these capabilities in;
- Any other competitive discriminators the company has that are not covered above; and
- The company's point of contact in respect of the submitted EOI.

In addition to the above, the interested companies are requested to answer the questions in section 4 below.

4. SUPPLIER EVALUATION

4.1 The following **mandatory questions** are designed to inform which suppliers should be brought into the next stage of the procurement process for the Pipe Bending Machines. The supplier must answer these questions positively to progress in the process.

- a. Does the supplier have experience in supplying the listed equipment?
- b. Can the supplier supply all listed equipment?
- c. Does the supplier have sufficient technical capability to support installation and maintenance of the equipment
- d. What is the standard warranty terms for the supply of the listed equipment
- e. What is the lead time for each piece of equipment specified?

4.2 The following questions are **non-mandatory** and are designed to inform comparisons between competing suppliers.

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- a. Does the supplier have suitable Off-the-Shelf (OTS) equipment that meets the specifications listed above?
- b. Can the supplier supply indicative specifications or data sheets for the equipment?
- c. Can the supplier provide local support?
- d. Can the supplier elaborate on their quality control procedures?
- e. Does the supplier have any signature, or other performance advantages compared to other vendors?
- f. Does the supplier have any in-service evidence to support the reliability and or performance of their recommended equipment?

Following review of EOIs, ASC intends to request proposal(s) from the shortlisted companies.

Registrations close 4pm (ACST) Wednesday 21 June 2023.

All EOI submissions shall be submitted via the Industry Capability Network website.

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Appendix A to EOI A101029

PROVISION OF PIPE BENDING MACHINES

Technical Requirements

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1. Introduction

ASC is seeking information on replacement workshop equipment and request expressions of interest (EOI) for the supply, install and maintenance of CNC Pipe Bending Machines for below both 40mm and 140mm.



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2. General Requirements

The Vendor shall supply, install and commission new Pipe Bending Machines jigs, fixtures and tooling as defined in the machine Specifications.

The scope of work for the contractor includes the supply and installation of the below:

- **Small Pipe Bending Machine and;**
- **Large Pipe Bending Machine;**

3. Machine Specifications

4. Small Pipe Bending Machine

- Full automatic CNC pipe bending machine
- Minimum 38mm OD pipe bending capacity
- Maximum Wall Thickness of 5.6mm
- Length of material 6m
- Capability to bend Carbon Steel, Copper, Copper Nickel, SMO and 316SS
- Left or Right bending
- Multiple bend radiuses without changing dies
- Variable radius capabilities
- 180° bending capability
- Quick tool change system with automatic repositioning
- Minimum bending radius 2 x Outside Diameter
- Maximum bending radius 4 x Outside Diameter
- Laser Scanner with direct input into machine
- CAD input into machine
- On screen anti-collision tests
- Computer or Machine programmable
- USB and Ethernet connectivity
- Centralised automatic lubrication system

5. Large Pipe Bending Machine

- Full automatic CNC pipe bending machine
- 140mm OD pipe bending capacity
- Minimum OD of 38mm
- Maximum Wall Thickness of 8.5mm
- Minimum length of material 6m
- Capability to bend Carbon Steel, Copper, Copper Nickel, SMO and 316SS
- Left or Right bending
- Multiple bend radiuses without changing dies
- Variable radius capabilities
- 180° bending capability
- Quick tool change system with automatic repositioning
- Minimum bending radius 2 x Outside Diameter
- Maximum bending radius 4 x Outside Diameter
- Laser Scanner with direct input into machine
- CAD input into machine
- On screen anti-collision tests
- Computer or Machine programmable
- USB and Ethernet connectivity
- Centralised automatic lubrication system

6. Tools, Jigs and Fixtures Requirements

Dies and Mandrels for all pipe sizes as per machine specs.

7. Equipment Support

- Local Maintenance support
- Onsite basic maintenance training
- Preventative maintenance schedules and requirements
- Programming and operator training
- Site Acceptance Testing
- Factory Acceptance Test
- Commissioning
- Documentation to support design and build including cad models, foundation details etc. are to be provided.
- Services demand estimates, equipment weights and support details, any overhead crane requirements, pneumatic requirements are to be provided.
- Detailed risk assessment of the equipment to be conducted with ASC

8. Australian Standards

All equipment shall comply with all relevant standards, codes and WHSE legislations, including but not limited to,

- AS4024 – Safety of Machinery
- AS3000 – Electrical Wiring
- Working at Heights (If Required)
- Confined Spaces (If Required)
- AS 2671 - Hydraulic fluid power - General requirements for systems
- AS 2788 - Pneumatic fluid power - General requirements for systems