

ADVANCE CONTRACT AWARD NOTICE (ACAN)

1. Definition

An Advance Contract Award Notice (ACAN) allows departments and agencies to post a notice, for no less than fifteen (15) calendar days, indicating to the supplier community that it intends to award a good, service or construction contract to a pre-identified contractor. If no other supplier submits, on or before the closing date, a Statement of Capabilities that meets the requirements set out in the ACAN, the competitive requirements of the government's contracting policy have been met. Following notification to suppliers not successful in demonstrating that their Statement of Capabilities meets the requirements set out in the ACAN, the contract may then be awarded using the Treasury Board's electronic bidding authorities.

If other potential suppliers submit Statement of Capabilities during the fifteen calendar day posting period, and meet the requirements set out in the ACAN, the department or agency must proceed to a full tendering process on either the government's electronic tendering service or through traditional means, in order to award the contract.

2. Definition of Requirements

Repair of a corroded splined shaft stock by laser cladding with hot wire. Laser cladding repair has been considered as a viable option to restore the surface profile of the spline on the shaft stock while maintaining the mechanical properties of the base metal and the matching build-up material.

The objective of this work is to develop and quantitatively assess laser cladding procedures for the repair of steel splined shaft, and finally repair the splined shaft using developed laser hot wire cladding procedures:

The service includes:

Viable cladding procedures will be developed using supplied base metal and filler material to meet the following requirements:

- As an equivalent shaft material of 826M40U, AISI 4340 steel will be used as substrate for laser hot wire cladding procedures development and coupon test.
- The clad layer is to be of the same alloy type as the base metal.
- Complete fusion between base metal and cladding, as well as between cladding layers.
- A minimum of porosity and other welding defects. The amount and distribution of porosity/defects as determined by non-destructive testing (NDT) are to meet the requirements of CSA W59.1.
- No cracks in the heat-affected zone and in the clad.
- Adequate mechanical properties including tensile and Charpy impact.
- Adequate wear and corrosion properties.
- Relatively low distortion
- Laser cladding with hot wire

3. Trade Agreements

There is no trade agreement impacted with this contract.

4. Title to Intellectual property

The contract will not result in the development of any new intellectual property.

5. Contract Period

The contract period will be from Contract Award date to November 30, 2015.

6. Estimated Cost

The estimated maximum value of the contract is \$33,900.00 CAD inclusive.

7. Exception to the Government Contracts Regulations and applicable trade agreements

Sole Source Justification - Exception of the Government Contract Regulations (GCR):

(d) Only one person or firm is capable of performing this contract.

Whitfield Welding is the only Canadian supplier that meets all the mandatory criteria as described below (see section 9).

8. Name and Address of the Proposed Contractor

Whitfield Welding
5425 Roscon Industrial Drive
Oldcastle, Ontario N0R 1L0

9. Inquiries on Submission of Statement of Capabilities

Criteria for Assessment of the Statement of Capabilities

The contractor must have:

- Solid state lasers (fiber or diode laser) with a minimum power of 4 kW.
- Laser powder deposition equipment and technology.
- Extensive experience in laser cladding with hot wire.
- Extensive experience in laser cladding repair under preheating condition up to 300 °C.

- Metallurgical laboratory to carry out sample preparation, optical metallography and microhardness.

Ideally, the contractor must be a Canadian company and be located within a 100kms of Hamilton, Ontario.

Suppliers who consider themselves fully qualified and available to provide the services/goods described herein, may submit a Statement of Capabilities in writing, preferably by e-mail, to the contact person identified in this Notice on or before the closing date and time of this Notice. The Statement of Capabilities must clearly demonstrate how the supplier meets the advertised requirements.

10. Closing Date

The closing date for a submission of a Statement of Capabilities is September 9, 2015 at 14:00 Eastern Standard Time.

11. Contract Authority

Julia Armstrong
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Dartmouth, NS B2Y 4A2

EMAIL: Julia.armstrong@nrcan-rncan.gc.ca