**Technical Specifications for Cold Spray Coating Equipment: 1 No**

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| **S. No.** | **SPECIFICATION AND CAPABILITIES** | **REQUIREMENT** |
|  | Maximum gas temperature | 1000°C and above |
|  | Maximum gas pressure | 80 bar (8MPa) and above |
|  | Flexibility with carrier gas | N2, He, N2-He mix |
|  | Powder feeders | 2 nos.  1 small - 0.5 litre or above  1 large - 2.5 litre or above |
|  | Heater power | 60 kW and above |
|  | Pressure rating of pneumatic hose | 3 times operating pressure |

**Technical details to be provided by supplier**

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| **S. No.** | **SPECIFICATION AND CAPABILITIES** | **Remarks** |
|  | Provision for variable powder feed rate | To be provided by supplier |
|  | State of the Art control console with safety interlocks and touch screen display should be provided along with mass flow controls, gas temperature controls. | To be provided by supplier |
|  | Personnel safety accessories should be provided (Goggles, masks, ear plugs etc.) - 10 nos. each | To be provided by supplier |
|  | 2 sets of steel and tungsten carbide nozzles must be supplied | To be provided by supplier |
|  | Essential spares/consumables should be provided for 3 year operation | To be provided by supplier |
|  | Spare parts/accessories list must be provided | To be provided by supplier |
|  | Safety certifications if any | To be provided by supplier |
|  | Maintenance instructions must be provided | To be provided by supplier |
|  | Operator manual must be provided | To be provided by supplier |

**Terms and Conditions**

1. The supplier must be an original equipment manufacturer.
2. Installation and training to be provided on site.
3. One year warranty with 2 years comprehensive annual maintenance contract must be included in the quotation. AMC must include spares/consumables, periodic visits and emergency visits.
4. List of installations with contact details for the last 5 years must be provided.
5. Payment terms will be 90% LC and 10% after successful installation
6. Prices must be quoted CIP Chennai.
7. Tenders should be submitted under two-bid system (i.e.) Technical bid and Financial bid.

**Quotes to be addressed to**

**Dr.M.Kamaraj, Project Coordinator, Dept. of MME IIT Madras, Chennai – 36, Tamilnadu, India.**

**Email: mkam@iitm.ac.in**