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| *Please complete this form with as much information as possible. The information collected will be used to determine the scope of IDDO’s support for your project and will aid in the selection of proper equipment to meet your science goals. Please return completed forms via email to IceDrill@dartmouth.edu.* |
| **Date:** |       |
| **Project Name:** |       |
| **Project Principal Investigator(s):** |       |
| **NSF Solicitation Number:** |       |
| **NSF Program being submitted to:** |       | **NSF Program Manager:** |       |

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| **Brief Summary of Science Project Purpose:**       |

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| **Project Objectives Related to Ice Drilling Design and Operations (IDDO) Support:**       |

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| **CONTACT INFORMATION** |
| The IDPO-IDDO Letter of Support and Scope of Work document will be addressed to the following person. |
| **Principal Investigator:** |       | **Affiliation:** |       |
| **Address Line 1:** |       | **Address Line 2:** |       |
| **City:** |       | **State:** |       | **Zip Code:** |       |
| **Phone Number:** |       | **E-mail Address:** |       |

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| **PROJECT TIMELINE** |
| **Field Season(s) (years):** |       |
| **Expected Date IDDO Personnel Will Leave Home\*:** |       | **Expected Date IDDO Personnel Will Return Home\*:** |       |
| \* If no IDDO Personnel are requested, identify the start and end dates when the IDDO equipment will be used in the field. |

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| **FIELD SITE INFORMATION** |
| **Project Location:** |       | **Altitude:** |       |
| **Mode of Transport to Site(s):** |       | **Mode of Transport Between Holes:** |       | **Distance Between Holes:** |       |

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| **Expected Site Conditions** | **Hours of daylight:** |       | **Hours of direct sunlight:** |  |
| **Air Temp (C)** | **Min:** |       | **Max:** |       | **Wind Speed** |       |

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| **Expected Ice Conditions** | **Ice Temp (C):** | **Clean Ice?** | **Rocky Ice?** | **Sandy / Silty Ice?** | **Blue Ice?** | **Liquid Water present?** |
|       | **YES [ ]  NO [ ]**  | **YES [ ]  NO [ ]**  | **YES [ ]  NO [ ]**  | **YES [ ]  NO [ ]**  | **YES [ ]  NO [ ]**  |

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| **Drill Shelter / Windscreen required?** | **YES** **[ ]  NO [ ]**  | **If Yes, please describe:**       |
| **\* Layflat Tubing required for bagging cores?** | **YES** **[ ]  NO [ ]**  | **If Yes, please describe:**       |
| \* Science Teams are responsible for all processing of the layflat tubing (cutting, stapling, marking, etc.). |

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| **EQUIPMENT PREFERENCE** |
| You may visit [**http://icedrill.org/equipment**](http://icedrill.org/equipment%20) to view the current available drill systems. |
| **Please list and describe any drilling methods that might interfere with your science goals:**      |
| **Preferred Drill System (if known):** |       |

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| **CLEANLINESS REQUIREMENTS** |
| **Describe any substances prohibited during drill operations (oils, greases, exhaust or carbon-containing lubricants or fluids, etc.):**       | **Describe any drill component sanitization requirements, if applicable:**       |

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| **SAFETY INFORMATION** |
| IDDO conducts hazard analyses on all drill systems and equipment in inventory. Appropriate personal protective equipment (PPE) for tasks related to operation of drill equipment will be included with the drill during shipment. Please review the following hazard classes and check any additional hazards that may apply to your project or field site. Please describe these hazards below. |
| **Chemical** **[ ]**  | **Fire** **[ ]**  | **Electrical** **[ ]**  | **Fall** **[ ]**  | **Lifting** **[ ]**  | **Other** **[ ]**  |
| **Description:**       |

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| **BOREHOLE INFORMATION** |
| **Hole No.** | **Purpose: Access Hole or Core Sample?** | **Approximate Coordinates of Hole** | **Depth (m)** | **Please choose one (mm):****Core diameter** **[ ]** **Hole Diameter** **[ ]**  | **Minimum Core Lengths (m)** |
|       |  |       |       |       |       |
|       |  |       |       |       |       |
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| **If more than one hole is required, please estimate the distance between holes:**       |

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| **CORE QUALITY** |
| **Minimum Core Quality required:**       |
| 1 - Excellent (Single piece, no breaks)2 - Good (Two pieces, single break)3 - Fair (Three pieces, two breaks) | 4 - Poor (Four or five pieces)5 - Very Poor (More than five pieces, rubble) |
| **Other Core Quality Parameters:**(Please describe any other concerns related to core quality including core dog gouges and varying core diameter.)      |

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| **ADDITIONAL INFORMATION** |
| **Describe any other restrictions, complications, or concerns you anticipate with regard to project execution.**      |