

DETAILED SPECIFICATIONS

AIRSIDE SOLID DEICER/ANTI-ICER (SOLID AND LIQUID)

1. New Deal Solid Airfield Deicer Sodium Formate /Acetate Blend or Equal
 - Must meet SAE AMS 1431 Compound, Solid Runway and Taxiway Deicing/Anti-Icing
 - Must meet FAA approved for airside use on runway and taxiways
 - Vendor must submit lab certification stating the chemical conformed to the applicable specification and a MDSO for handling the product
 - Composition: 70% Sodium Formate and 30% Sodium Acetate
 - Effective to a minimum of -40 degrees Fahrenheit
 - Granule Size: 2.0 – 5.6 MM
 - Bulk Density: 53 lbs to 56 lbs
 - PH: (10% Solution): 8.5 – 10

2. NAAC Solid Runway Deicer or Equal
 - Must meet SAE AMS 1431 Compound, Solid Runway and Taxiway Deicing/Anti-Icing
 - Must meet FAA approved for airside use on runway and taxiways
 - Vendor must submit lab certification stating the chemical conformed to the applicable specification and a MDSO for handling the product
 - Composition: Greater than 95% Sodium Acetate
 - Effective to a minimum of 0 degrees Fahrenheit
 - Spherical shape pellet
 - Bulk Density: 50-54lbs
 - PH (15% Solution): 8 – 10.5

3. Cryotech E36 or Equal
 - Must meet FAA approved and SAE AMS 1435, Fluid, Generic Deicing/Anti-icing Runways and Taxiways
 - Potassium Acetate base plus corrosion inhibitors
 - Vendor must meet lab certification stating the chemical conformed to the applicable specification and a MSDS for handling the product
 - Effective to a minimum of -25 degrees Fahrenheit
 - PH: 10.5 – 11.5
 - Specific gravity at 68 degrees Fahrenheit: 1.25 – 1.30

DEICING FLUID

1. Polar Plus LT Type 1 Aircraft Deicing/Anti-icing Fluid, or Equal
 - Must meet SAE Type I and AMS 1424 Standards for Aircraft Deicing
 - Propylene glycol based designed for application directly on ice coating aircraft surfaces. Specifically manufactured for use to remove snow, ice and frost from the exterior surfaces of the aircraft.
 - 63/37 Dilute – Ready To Use
 - Must contain propylene glycol, water, corrosion inhibitors, wetting agents and colored dye (consisting of 63% Polar Plus LT and 37% Water)
 - Freezing point of about -45 degrees Fahrenheit

2. Polar Guard Advance Type IV Aircraft Deicing/Anti-icing Fluid, or Equal
 - Must meet SAE Type IV and AMS 1428 Standards for Aircraft Ice Retardation
 - Propylene Glycol based designed for periods of active precipitation (Snow, Sleet, Freezing Rain)
 - Certified Propylene glycol based Type IV Aircraft deicing/anti-icing fluid
 - Formulation must be specifically thickened so as to remain on the wing and other aircraft externals to prevent ice from forming
 - Product must contain PG, water, corrosion inhibitors, wetting agents, thickeners, and colored dye
 - Freezing point of about -35 degrees Fahrenheit

TKS WING DEICING FLUID

1. 30 Gallon Container (Drum)
2. Must comply with AL-5 DTD4068
3. Must be approved for all TKS systems – Diamond aircraft, HS-125 Hawker, Cirrus, Beechcraft, Cessna, Piper, Mooney, Kodiak, Hawker, and many other aircrafts are equipped with the TKS weeping wings de-icing systems
4. Certificate of Analysis is required
5. Properties:
 - Physical State of 20°C: Liquid
 - Color: Colorless
 - pH Value: +/- 7
 - Density: 1.08
 - Vapor pressure (20°C): No data available
 - Vapor pressure (50°C): No data available
 - Solubility in Water: Not Available
 - Flash Point: (°C): 72°C

BID FORM

AIRSIDE SOLID DEICER/ANTI-ICER

1. New Deal Solid Airfield Deicer Sodium Formate /Acetate Blend or Equivalent

\$ _____ /Super Sak (2205#)

\$ _____ /55# Bag

\$ _____ /Pallet (40 Bags)

2. NAAC Solid Runway Deicer or Equivalent

\$ _____ /Super Sak (2205#)

\$ _____ /55# Bag

\$ _____ /Pallet (40 Bags)

\$ _____ /Ton

3. Cryotech E36 or Equivalent

\$ _____ /Drum (55 Gallons)

\$ _____ /Tote (265 Gallons)

\$ _____ /Gallon - Bulk

DEICING FLUID

1. Polar Plus LT Type 1 Aircraft Deicing/Anti-icing Fluid, or Equivalent

\$ _____ / Tote (230 Gallons)

\$ _____ /Drum (55 Gallons)

2. Polar Guard Advance Type IV Aircraft Deicing/Anti-icing Fluid, or Equivalent

\$ _____ / Tote (230 Gallons)

\$ _____ /Drum (55 Gallons)

TKS WIND DEICING FLUID

1. AVL-TKS-30 or Equivalent de-icing fluid, must comply with AL-5 DTD406b

\$ _____ /Drum (30 Gallon)

Attached Bid Checklist, Signature/Non-Collusive Page, and Iran Notice must be signed to complete the bid.

BID CHECKLIST

The documents required to complete this bid are indicated below.

- (X) Insurance Certificates See Exhibit A, pages F-G
- (X) Iran Notice See Pages 43e – 43f
- ___ We have reviewed and have submitted the items required under the Mandatory Submission Requirements.
- ___ The Bid Page(s), Signature/Non-Collusive Page, and Iran Notice are completed and included.
- ___ Deviations are noted and explained.
- ___ Insurance Certificates are enclosed if required.

WAIVER OF IMMUNITY/NON-COLLUSIVE BIDDING CERTIFICATE PURSUANT TO SECTION 103-D OF THE NEW YORK STATE GENERAL MUNICIPAL LAW

- A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organizations, under penalty of perjury, that to the best of knowledge and belief:
 - 1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
 - 2. Unless otherwise required by law, the prices which have been quoted in this bid have not knowingly been disclosed by the bidder and will not knowingly be disclosed by the bidder, directly or indirectly, prior to opening, to any bidder or to any competitor.
 - 3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

A bid shall not be considered for award nor shall any award be made where 1,2, and 3 above have not been complied with; provided, however, that in any case the bidder cannot make to foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons thereof. Where 1, 2, and 3 above have not been complied with, the bid shall not be considered for any award nor shall any award be made unless the head of the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a bidder (a) has published price lists, rates, or tariffs covering items being procured, (b) has informed prospective customer of proposed or pending publications of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of paragraph “A” above.

- B. Any bid hereafter made to any political subdivision of the state or any public department, agency or official thereof by a corporate bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule, regulation, local law, and where such bid contains the certification referred to in paragraph “A” of this section, shall be deemed to have been authorized by the Board of Directors of the bidder, and such authorization shall be deemed to include the submission of the bid and the inclusion therein of the certificate as to non-collusion as the act and deed of the corporation.

SIGNATURE PAGE ON REVERSE MUST BE SIGNED TO COMPLETE THE BID.

SIGNATURE PAGE

The undersigned proposes to furnish products or services to specifications included in this bid document, at the price(s) set forth, as required to meet the County's needs. Any deviation to the specifications must be noted on the bid form and fully explained or the deviations will not be considered part of the bid.

Deviations: Yes _____ No _____

By signing below I am certifying that I fully understand the complete requirements of the bid and agree to the non-collusive certification on the reverse of this page and additional documents as specified on the bid checklist. Bidder hereby acknowledges receipt of all addenda pertaining to this bid which are made part of the original bid specifications.

_____ COMPANY NAME

_____ ADDRESS (Principal Office)

_____ CITY, STATE, ZIP CODE

_____ AREA CODE/TELEPHONE NUMBER

_____ FAX NUMBER

_____ AUTHORIZED SIGNATURE

_____ PRINTED NAME

_____ TITLE

_____ DATE

_____ ADDRESS (Local Office)

_____ CITY, STATE, ZIP CODE

_____ AREA CODE/TELEPHONE NUMBER

_____ FAX NUMBER

_____ E-MAIL ADDRESS

Check One: Corporation _____ Partnership _____ Individual _____

Incorporated under the laws of the State of _____

Federal Identification # _____

State if authorized to do business in the State of New York: Yes _____ No _____

Names and Addresses of Partners:

_____	_____
_____	_____
_____	_____

Iranian Energy Sector Divestment

Contractor hereby represents that said Contractor is in compliance with New York State General Municipal Law Section 103-g entitled “Iranian Energy Sector Divestment”, in that said Contractor has not:

- a. Provided goods and services of \$20 Million or more in the energy sector of Iran including but not limited to the provision of oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran; or
- b. Acted as a financial institution and extended \$20 Million or more in credit to another person for forty-five days or more, if that person’s intent was to use the credit to provide goods or services in the energy sector in Iran.

Any Contractor who has undertaken any of the above and is identified on a list created pursuant to Section 165-a (3)(b) of the New York State Finance Law as a person engaging in investment activities in Iran, shall not be deemed a responsible Bidder pursuant to Section 103 of the New York State General Municipal Law.

Except as otherwise specifically provided herein, every Contractor submitting a bid in response to this Request for Bids must certify and affirm the following under penalties of perjury:

- a. “By submission of this bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief, that each Bidder is not on the list created pursuant to NYS Finance Law Section 165-a (3)(b).”

Jefferson County will accept this statement electronically in accordance with the provisions of Section 103 of the General Municipal Law.

Except as otherwise specifically provided herein, any Bid that is submitted without having complied with subdivision (a) above, shall not be considered for award. In any case where the Bidder cannot make the certification as set forth in subdivision (a) above, the Bidder shall so state and shall furnish with the bid a signed statement setting forth in detail the reasons therefore. The County reserves its rights, in accordance with General Municipal Law Section 103-g to award the Bid to any Bidder who cannot make certification, on a case-by-case basis under the following circumstances.

1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
2. The County of Jefferson has made a determination that the goods or services are necessary for the County to perform its functions and that, absent such an exemption, the County of Jefferson would be unable to obtain the goods or services for which the Bid is offered. Such a determination shall be made by the County in writing and shall be a public document.

Attachment
Certification Pursuant to Section 103-g
of the New York State
General Municipal Law

- A. By submission of this bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each Bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the Bidder cannot make the foregoing certification set forth in Paragraph A above, the Bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to whom the bid is made, or his designee, may award a bid, on a case by case basis under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods and services for which the contract is offered. Such a determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company Name