

**UTILITIES DEPARTMENT – PLATTE GENERATING STATION
CITY OF GRAND ISLAND, NEBRASKA**

VACUUM – BLAST CLEANING – HIGH PRESSURE WASH – SPRING OUTAGE 2013

ADDENDUM # 2 TO BID DOCUMENTS

ISSUE DATE: *February 13, 2013*

INSTRUCTIONS: Please sign below to acknowledge receipt of this Addendum to Bid Documents for the Vacuum-Blast Cleaning-High Pressure Wash-Spring Outage 2013 and return. If you prefer, confirmation of receipt of Addendum via email is acceptable.

Karen Nagel
Utility Department, PGS
City of Grand Island
P.O. Box 1968
Grand Island, NE 68802-1968

FAX (308) 385-5353
Phone: (308) 385-5496
knagel@giud.com

ADDENDUM: Specification 106-13, Detailed Specification, Page 11 of 18, Delete and replace:

DESCRIPTION:

Precipitator Cleaning

~~Silica sand~~ [Dried river sand] shall be used as the media for the base bid. Alternate blast media proposals may only be submitted as a separate bid adjustment to the base bid and will be considered at the sole discretion of the Utility. Information regarding source of media, MOH scale hardness, mesh size and required air blasting pressure shall be provided with the bid for both the ~~silica sand~~ [dried river sand] and any proposed alternates.

~~The precipitator shall have all ash removed to bare metal without causing damage to electrodes, plates, fasteners, or structures. The cleanliness standard achieved is generally expected to be equivalent to an SSPC SP 6/NACE 3 Commercial Blast Cleaning accomplished over approximately 95% of the precipitator. Any remaining residual ash deposits where blast cleaning fails to remove the material, the contractor shall utilize other methods of ash removal that accomplish the remaining cleaning without damage to the components and as are acceptable to the PGS designated representative.~~

The precipitator shall have all ash removed resulting in an ash free metal surface with a 95% ash removal efficiency without causing damage to electrodes, plates, fasteners, or structures. Any remaining residual ash deposits where blast cleaning fails to remove the material, the Contractor shall utilize other methods of ash removal that accomplish the remaining cleaning without damage to the components. Such methods shall be acceptable to the PGS designated representative. This cleanliness criteria will only be applied as an expected removal efficiency of the ash deposits from all surfaces and will not be applied to any remaining mill scale, rust, discoloration or other surface abnormalities of the underlying steel.

ATTACHMENT: Added the Precipitator Data Summary

ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM #2:

Received by _____
Please Print Signature

Company _____ Date _____

Please acknowledge this Addendum #2 on your BID DATA FORM and CHECKLIST.

PRECIPITATOR DATA SUMMARY

Plant Name: City of Grand Island Nebraska
 Location: Platte Generating Station
 Job Number: Grand Island, Nebraska
 Date: May 1980

DESIGN CONDITIONS

Process..... Steam Generation
 Suspended Material..... Fly Ash
 Fuel..... Pulverized Coal
 Gas:
 source..... Coal-Fired Boiler
 volume (acfm)..... 740,000
 temperature (°F)..... 800
 moisture (%)..... 7 to 35 by volume
 Operating Pressure (in. VWC)..... -3.5
 Inlet Dust Concentration (gr/cu ft)..... ---
 Guaranteed Efficiency (%)..... 99.6
 Outlet Option (gr/cu ft)..... 0.005

PRECIPITATOR(S)

Type..... R
 Quantity..... 1
 Chambers per Precipitator..... 4
 Fields per Chamber..... 5
 Discharge Electrodes (tot/pptr).... 7120
 Collecting Surfaces (tot/pptr).... 640
 Field Designation..... A B C D E
 Collecting Surface Size (ft)..... 9 x 30
 Collecting Surface Type..... RUCC
 Gas Passages per Field (No.)..... 31
 Gas Passage Spacing (in.)..... 9
 Reactor Ratings (mh)..... 2.2
 Transformer-Rectifier
 silicon, full-wave KV... 45
 MA... 1100
 dielectric..... oil
 manufacturer..... Westinghouse
 special connections..... ---
 Voltage Control..... Automatic, MK IV
 Power Source..... 480V, 3ph, 60Hz
 Insulator Compartment Ventilation.. Blower/Heater
 Rapping Systems.....
 collecting surfaces..... ER860 Quantity 140
 discharge electrodes..... ER860 80
 gas distribution plate..... ER860 8