The Sewerage & Water Board
OF NEW ORLEANS

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August 14, 2024

Addendum No. 4

Your reference is directed to the Invitation to Bid for**: 2024-SWB-42 Liquid Lime Study** for the Sewerage and Water Board of New Orleans which proposals are due on **August 19, 2024,** at **11:00 a.m**. CST.

This addendum provides for the following:

a) Responses to Questions
b) Revision to quantity to bid form.

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1. Responses to Questions

1. Question from vendor:

a. Forty percent (40%) solids issue – will a material that has a percent solid lower that that be acceptable (Technical Specifications section 1c)?

Answer: Forty percent (40%) solids are the minimum. Material below forty percent (40%) solids is not acceptable.

b. If so, what is tolerance (is there a minimum)?

c. If so, how will the Sewerage and Water Board confirm the percent solids during the trial or is it on the supplier to verify?

Answer: The supplier shall analyze and supply all data. At any time throughout the pilot study SWBNO may spot check the product with a 3rd party lab for testing using a moisture analyzer. SWBNO shall spot check deliveries to verify contents of product as they see fit and are expected to receive 1 liter(1lL) sample with submittals for testing. All spot checking will be sent to a third party of SWBNO choice for analysis to be paid for by supplier. If spot testing shows variation between third (3rd) party and supplier data or the inability of meeting SWBNO requirements, material costs become the responsibility of supplier and a redelivery that conforms to required specifications shall be made within twelve (12) hours, and the delivery fee shall be waived.

2. Question from vendor:
    a. Who does that date need to be shared with?

Answer: Not sure which date is being referred to, but share all data with the Project Manager, SWBNO Engineer, David Hingle.

3. Question from Vendor:

    a. What is the method that will be used to measure settling rate (Technical Specifications 1e)?

Answer: Mixed solution will be visually tested in a 100ml test cylinder after 24-hours. SWBNO shall spot check deliveries to verify contents of product and settling rate as they see fit and are expected to receive 1 liter sample with submittals for testing. Spot checking shall be paid for by supplier. If spot testing shows variation between 3rd party and supplier data or the inability of meeting SWBNO requirements, material costs shall be responsibility of supplier and a redelivery that conforms to required specifications shall be made within 12 hours, and the delivery fee shall be waived.

4. Question from Vendor:
    a. What should be included on the certificate of analysis provided with each delivery?

Answer: This data shall be provided by the supplier and may be tested in spot tests performed by a 3rd party of S&WB choice to be paid for by the supplier. If spot testing shows variation between 3rd party and supplier data or the inability of meeting SWBNO requirements, material costs shall be responsibility of supplier and a redelivery that conforms to required specifications shall be made within 12 hours, and the delivery fee shall be waived.

- ***Pass of Odorless – pH spec at 25 deg C. – Viscosity range in cps – Density (lbs/Gal) –***
- ***Total Solids in percentage – Calcium hydroxide percentage – Calcium carbonate percentage –***
- ***Acid insoluble percentage – Aluminum percentage – Magnesium percentage – Silicon percentage***

5. Question from Vendor:
    a. What sampling consumables are required to perform the test(s) on water quality?

Answer: Supply all sampling consumable required to perform all required testing and analysis for data collection and acquiring performance indicators.

6. Question from Vendor:
    a. What data is required to be collected during the three-month trial?

Answer: Vendor shall be responsible for graphing data related to the performance of the softener; both raw water and effluent data for showing trends prior to and throughout the trial.

- ***The supplier will be responsible for showing weekly V/V (volume of water/volume of sludge).***
- ***Weekly determination of height of sludge in clarifier.***
- ***Weekly analysis of sludge for determining excess alkalinity of sludge and complete deposit analysis of the sludge. 1 month of data shall be graphed prior to Liquid Lime Study for comparison and baseline.***
- ***Determine g/L (gram per liter) of carryover of mud and lime in the effluent (performed weekly). At least 3 tests shall be performed prior to the Liquid Lime test to provide a baseline.***

Example of test:

- ***Obtain a one-liter (1L) sample from top of clarifier. Weigh filter pad then filter one-liter (1L) sample through. Dry filter pad. Reweigh filter pad. Note delta for solids remaining in micrograms/liter.***
- ***After dried and reweighed remove solids and do a deposit analysis to determine mineral percentages left in solids. Must be done*** weekly

7. Question from Vendor:
    a. What are the key performance indicators i.e., what are the finished product water quality standards? Hardness, Alkalinity, pH etc.

Answer: All indicators included in question seven (7) should be considered as additional performance indicators.

- ***pH Control***
- ***P-alkalinity***
- ***M-alkalinity***
- ***Calcium hardness***
- ***total hardness***
- ***NTU***

8. Question from Vendor:
    a. Is it possible to use the pH control system at the Algiers plant or does that equipment need to be provided?

Answer: The vendor is responsible for pH control. Vendor shall collaborate with SWBNO for assurance of accurate pH readings.

The changes, additions, and/or deletions included herein are hereby made part of the solicitation documents for 2024-SWB-42 Liquid Lime Pilot Study, as fully and completely as if the same were set forth therein. The bidder shall be responsible for having knowledge of all addenda issued for this ITB.

This addendum consists of three (3) pages.

***** END OF ADDENDUM *****