

## PART ONE – GENERAL

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**Make: Seepex**  
**Model: BN-130-6LS**

### SUMMARY OF REQUIREMENT:

Requirements for providing: Seepex Progressive Cavity Pump including motor and freight

### **GENERAL**

The specifications herein state the minimum requirements of the *City of Houston*. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The CITY may consider as “irregular” or “non-responsive”, any bid not prepared and submitted in accordance with the bid documents and Specification, or any bid lacking sufficient technical literature to enable the *City of Houston* to make a reasonable determination of compliance to the specification. It shall be the bidder’s responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond to each section of the technical specification will cause the proposal to be rejected without review as “non-responsive”. All variances, exceptions, and/or deviations shall be fully described in the appropriate section; deceit in responding to the specification will be cause for rejection.

**EQUIVALENT PRODUCT:** Bids will be accepted for consideration on same design, performance and capacity as interpreted by the *City of Houston*. A blanket statement that equipment proposed will meet all requirements, will not be sufficient to establish equivalence, but will require replay an explanation at each deviation or substitution.

**INTERPRETATIONS:** In order to be fair to all bidders, no oral interpretations will be given to any bidder as to the meaning of the specifications documents or any part thereof. Every request for each a consideration shall be made in writing to the *City of Houston*. Based upon such inquiry, the *City of Houston* may choose to issue an Addendum in accordance with Local Public Contract Laws.

**GENERAL SPECIFICATIONS:** Units described shall be new, unused and of the current year’s production. Unit shall be of the latest design and in current production completely serviced, ready for work and shall include all standard and optional equipment as specified herein. The supplier shall be required to provide the complete Unit and all parts and modifications required. The complete unit and assembled parts along with modifications shall be rated for drinking water application. All bidders must have demonstrated the unit they are bidding prior to date.

Bidders must have a fully stocked parts and service facility within 50 miles of the *City of Houston*. The *City of Houston* shall have the right to inspect the office and shall be the sold judge of its adequacy to fulfill this requirement.

Bidders, on request of the *City of Houston*, must be prepared to review their specifications with the *City of Houston* and must, if requested. These services, if needed are considered as part of the bidder’s proposal and will be provided without cost or obligation to the *City of Houston*.

## PART TWO - PRODUCTS

Product Name: Seepex Progressive Cavity pump BN-130-6LS

A. Application Data.

1. 15 % alum sludge.
2. 1-2 % solids content.
3.  $\leq 2$  mm size of solids.

B. Performance Data.

1. 400 gpm, 52 psi, 280 rpm
2. 1100 lb.ft. starting torque
3. 22 hp pump shaft power and 17.22 ft. npshr.

C. Drive, Motor and Base plate.

1. Drive Nord model SK62VLF/280TC, ratio 6.35
2. Motor Weg, model 03018ET3E286TC-W-22, 30 hp, 460 volts.
3. Base plate with extended motor support, B-ZN-LS-EM steel/galvanized.

### **PART THREE – EXECUTION**

#### **MANUFACTURERS/VENDOR SERVICES**

The manufacturer shall furnish the services of a competent factory representative to do the following:

Inspect the system prior to delivery, supervise the City of Houston start up and testing of the system, and certify the system has been properly furnished and is ready for operation.

Instruct the owner's operating personnel in the proper operation and maintenance of the system for a period of not less than one half day.

Provide assistance to questions or follow-up training for the first 3 months after pump acceptance.

#### **TOOLS AND SPARE PARTS**

The manufacturer shall provide the following to the owner:

Tools and spare parts for at least one year.

(4) Operations and Maintenance manuals.

#### **WARRANTY**

The manufacturer shall furnish the following to the owner:

Unit shall be warranted against defects in materials and workmanship for a period of 18 months from shipment or 12 months from start-up, whichever is less, and shall cover 100% of parts and labor for the unit. Should the manufacturer's warranty exceed these requirements; the manufacturer's warranty shall be in effect. Warranty work shall be completed without cost to the City. It shall begin within 7 days after notification of the equipment failure or faulty material and shall be completed within a reasonable time frame, but not greater than 90 days. **All freight charges to and from the vendor's repair facility shall be borne by the seller during the warranty period.**

The vendor and/or the manufacturer shall allow the City the option to purchase an extended warranty.

**DELIVERY**

Entire assembled unit shall be delivered to COH's East Water Purification Plant, 2300 Federal Road, with sufficient capabilities of delivery vehicle to suitably off-load the assembled unit.

The assembled unit shall be packaged to prevent any damage to the unit during travel and off-loading.

The delivery company must coordinate with the appropriate City of Houston Staff to ensure the unit is off-loaded safely in the appropriate place and manner desired by the City of Houston.

Final Delivery details should also be coordinated with Jesus Gallegos who is the EWPP project Manager.