

# **Technical Specifications**

## **JEA Limestone Crushing Services**

### **1.0 SCOPE OF WORK**

- 1.1 The scope of services includes, but is not limited to providing; the labor, supervision, materials, supplies, equipment, and subcontracts necessary to crush limestone from 3” (some pieces may be larger) to a minimum of 1/2” at the JEA Northside Generating Station power plant site.
- 1.2 Scope of work includes taking 3” sized limestone once JEA receives it via vessel and crushing it JEA’s required size of no larger than 1/2”. Limestone will be offloaded to JEA’s onsite storage barn by JEA personnel. Delivered material will need to be processed onsite and then returned to the storage barn. Room exists external to the barn for handling and processing. Processing equipment may be set up inside the barn as well as space allows.
  - 1.2.1 Processing must be able to accommodate two generating unit operation. At two-unit operation the limestone usage rate approaches 1400 tons per day (TPD).

### **2.0 SCHEDULING AND VOLUMES**

- 2.1 On July 1<sup>st</sup>, 2025 JEA is estimating a remaining 20,000 tons in inventory of oversized limestone. JEA may require some or all of this inventory to be crushed.
- 2.2 JEA currently has a forecast of receiving one (1) ship during the summer months that will be unsized (3” or some nominally larger sized).
- 2.3 The ship is estimated to hold 54,000 dry short tons (the volume is not guaranteed).
- 2.4 The planned shipment for summer 2025 is planned for July 17, 2025. JEA typically is provided a 10-day window a month out from planned arrival, the window may move due to storms, or other emergencies and the unloading takes approximately a day after the ship is docked.
- 2.5 The contractor may make a mobilization and size all limestone and demobilize per each event, or if it is more economical the company may mobilize one (1) time and leave equipment onsite for the duration of the contract, as long as the operational requirements are met.
- 2.6 There is a second vessel scheduled for November 2025. There may or may not still be a need for crushing services.

JEA does routinely change limestone sourcing and if JEA cannot guarantee the number of ships that will be brought in over the next year. JEA will provide schedule updates with forecast onsite needs in far advanced as possible, however, the contract shall agree that with a 10-day notice, the equipment and crew to provide the service will be available.

### **3.0 CODES, STANDARDS, AND REGULATIONS**

- 3.1 Contractor shall perform all work in accordance with established local, state, and federal standards and regulations, permits, and local codes.
  - 3.1.1 Occupational Safety and Health Administration (OSHA)
  - 3.1.2 Florida Department of Environmental Protection (FDEP)
  - 3.1.3 COJ Environmental Quality Division (EQD)
  - 3.1.4 Department of Transportation (DOT)

In case of a conflict between the above codes and regulations, Contractor will perform all work in accordance with the more stringent code or regulation.

The Company proposed equipment shall be provided to JEA and company shall provide a copy of the equipment air permit upon request.

For Reference only, JEA is providing a copy of JEA's NGS Permit exemption for when JEA was looking to use rental equipment and process less the 150 tons / hour.

The Bidder shall be responsible to provide all equipment information and processing rates to determine if a site air permit is needed. If a permit is required, it could take up to 90 days to process. JEA requires that the run rate is less than 150 tons / hour to allow for an exemption to be used. The Company will be responsible to provide all information for equipment:

Description of the proposed limestone crushing/screening system; e.g., location, permanent or mobile, limestone transfer rates, emission controls, planned operating hours, etc.

Crushing/screening vendor technical information; e.g., equipment brochures, emission controls, diesel engine data, etc.

#### 4.0 **POWER PLANT LOCATION**

- 4.1 The following JEA power plant location where BSA operations and services will take place. Plant facility is located within Duval County in Jacksonville, Florida.

##### **Plant Location**

- 4.1.1 Northside Generating Station (NGS)  
4377 Heckscher Drive  
Jacksonville, FL 32226

#### 5.0 **GENERAL REQUIREMENTS**

- 5.1 Contractor shall provide labor, materials, and equipment for limestone processing operations.
- 5.2 For this task, the Contractor shall provide the JEA Representative with a written budgetary cost proposal which must include a per ton processed cost associated with the Work. Unless otherwise directed, the cost proposal shall include all items necessary to perform a turnkey job.
- 5.3 The Contractor shall be qualified to perform all aspects of limestone processing operations, including, but not limited to, the work scope listed herein.
- 5.4 Contractor shall not initiate 'out of scope' services without obtaining prior authorization from the JEA Representative. For example, if during the Work, a potential problem or issue is identified by the Contractor, the JEA Representative shall be notified immediately of the problem/issue and may then initiate an authorization to the Contractor for 'out of scope' services.
- 5.5 Contractor shall comply with all Federal, State, and Local industrial safety rules, regulations, codes, and standards. Contractor shall also abide by all JEA Safety and Security Policies and Procedures, as a minimum requirement.

- 5.6 Contractor will not be required to provide an onsite office, but space can be provided for a temporary office trailer. The Contractor shall be entirely responsible for all costs associated with this type of arrangement.
- 5.7 Contractor shall furnish their own portable toilets, wash stations, and break area for their employees.
- 5.8 JEA will provide non-potable water service only. The Contractor shall be responsible for providing potable water for their employees.
- 5.9 JEA will provide fuel for onsite equipment operations only. JEA will not provide fuel for company trucks that travel offsite. The Contractor will be responsible to fuel all equipment with their own resources and document consumption and report it to the Contract Administrator.
- 5.10 The Contractor is advised that other projects may be in progress during this agreement period. Coordination and cooperation with other Contractors, JEA personnel and others working in the plant area will be required to ensure the work will be completed safely and on schedule.
- 5.11 All materials and workmanship supplied by the Contractor shall be first quality in every respect in accordance with the best modern practice. Whenever there is a reasonable doubt about what is permissible and when the quality of any work is not stated, the interpretation which requires the best quality work is to be followed. All final decisions will be the responsibility of the JEA Representative.
- 5.12 Contractor shall be responsible for all labor and material costs associated with the replacement of any existing plant equipment, etc. components that may be damaged by the Contractor during the Work.
- 5.13 JEA will supply 110V and 220V power and may supply 80 PSI plant service air for the Contractor's use, when and where available.
- 5.14 JEA will supply reuse and service water.

## 6.0 **SPECIAL REQUIREMENTS**

- 6.1 Powerplant operations are continuous (24 hours every day, 7 days every week), and limestone is critical to the reliable operation of the CFB boiler. Insufficient limestone inventory can lead to costly shutdowns and power outages for JEA customers. Therefore, Contractor may be requested to provide services as required on a 24-hour schedule. Contractor's scope shall be directed by the JEA Representative so that limestone processing is coordinated with JEA operations and impact to plant operation is minimized.
  - 6.1.1 Limestone must be processed (crushed) at a rate faster than JEA typically uses it. Normally does not to exceed 1,400 tons/day.
- 6.2 Contractor shall, if needed, visit the site of the Work and become thoroughly informed of all conditions and factors which would affect the execution and completion of such Work. It is understood and agreed that all conditions and factors pertaining to the work sites have been properly investigated and considered in the preparation of the Contractor's quotation.
- 6.3 Contractor shall provide a Primary Contact to be assigned to the contract that will be accessible twenty-four (24) hours per day, seven (7) days per week, inclusive of Holidays. This person shall act as the primary interface between JEA and the Contractor. Should there be a change in employment for the Primary Contact (i.e., promotion, resignation, termination, etc.) the Contractor shall notify the JEA Project Representative within twenty-four (24) hours of the event.

- 6.4 Upon arrival at the plant site, the Contractor shall check-in with the JEA Representative who will provide a description and location of the required services. Upon check-out from the plant site, the Contractor shall provide the JEA Representative with a daily briefing of the work activities completed that day.
- 6.5 Contractor shall provide a Secondary Contact in the event the Primary Contact is not available for any reason.
- 6.6 Contractor's employees shall have the Contractors' name and an employee number on their hard hat.
- 6.7 Contractor shall supply all Safety Data Sheets (SDS) prior to any material arriving onsite.
- 6.8 Contractor shall verify existing conditions and dimensions prior to starting work. Any discrepancies must be brought to the attention of the JEA Representative.
- 6.9 Contractor shall be solely responsible and assume all liability for the disposal of all waste products (such as chemicals, industrial wastewater, general trash, and sanitary waste) that are generated by the Contractor, unless prior arrangements are made with the JEA Representative.
- 6.10 Good communications foster good relationships and benefit all parties. The Contractor may be required to attend and actively participate in operational or environmental meetings as well as weekly or daily status meetings. The Contractor shall provide a knowledgeable person for in-person or teleconference meetings. Labor or service charges related to meeting attendance will be permitted upon prior approval by the JEA Representative.

## 7.0 **CONTRACTOR SAFETY**

- 7.1 **IT IS EXTREMELY IMPORTANT THAT THE CONTRACTOR AND JEA WORK TOGETHER TO ADDRESS ANY SAFETY CONCERNS SUCH THAT POTENTIAL ACCIDENTS ARE AVOIDED.**
- 7.2 All employees of the Contractor, who perform work on JEA property, shall be JEA Safety Qualified. Contractor Supervisors/Foremen will be required to attend the Safety Leadership Development program offered through the Northeast Florida Safety Council (NEFSC) or an equivalent program as required by the JEA Contractor Safety Program.
- 7.3 Site specific training shall be required to work at Northside Generating Station. The JEA Safety Department or JEA Representatives will provide a PowerPoint Training module for the site location. Contractor is responsible for ensuring ALL personnel have received the appropriate safety training, as required by JEA Contractor Safety Program, and shall submit a roster of the employees who received the training.
- 7.4 Contractors are required to wear Personal Protective Equipment (PPE) at all times while on all JEA electric plant sites. PPE shall include, but not be limited to, the following: safety glasses, hard hats, hearing protection, safety-toed boots, dust masks and/or respirators, all types of work gloves, etc. The cost of all PPE shall be included in the overhead. JEA will not accept separate billable charges.
- 7.5 Hearing protection is required while working in electric plant power block areas and when operating machinery or equipment.
- 7.6 Contractor employees are not permitted to wear ripped jeans, shorts, tennis shoes, sleeveless shirts, or shirts with offensive logos or messages.

- 7.7 Contractor shall maintain a safe work environment at all times. Contractor shall keep their work areas free of trip hazards daily and shall maintain excellent housekeeping.
- 7.8 Contractor shall utilize barricades or other processes necessary to keep the job site clean and isolated from JEA employees or other workers as needed.
- 7.9 JEA utilizes numerous chemicals, industrial gases, and fuel types in the electric production process. During the course of work, the Contractor may encounter or come in proximity with these hazardous elements. The Contractor and JEA Representative shall work closely to identify these hazards prior to entering a work area using Safety Task Assignment, Job Hazard Analysis, or similar template. Should the Contractor detect a gas leak or chemical spill in the work area, the JEA Representative shall be notified immediately, and all Contractor employees relocated to a safe distance upwind of the leak or spill.
- 7.10 Contractor shall abide by the JEA Hot Work Permit Program, Lock Out/Tag Out Procedure, and the Confined Space Entry Procedure.
- 7.11 Contractor shall abide by the JEA Contractor's Safe Work Practices Manual.

## 8.0 ENVIRONMENTAL

- 8.1 JEA is under strict environmental standards with respect to all construction activities, including purchasing, delivery, erection, and operation / maintenance of equipment.
- 8.2 Violations of standards may result in fines against and/or imprisonment of the guilty parties. The Contractor's work shall be in compliance with all applicable environmental standards. The Contractor is liable for breeches of permit conditions instigated by its personnel.
- 8.3 JEA shall assist the Contractor in environmental compliance by providing information upon request and monitoring the work. Environmental standards are contained in permits, permit application materials, Conditions of Certification, stipulations, and compliance documents. Copies of these documents are available for inspection at the JEA Environmental Compliance office. The Contractor shall cooperate fully with JEA in ensuring compliance, including participating in meetings, implementing the JEA Contract Administrator's instructions, and performing other actions as requested.

## 9.0 SECURITY

- 9.1 Contractor shall supply a list of names of the personnel they will be using during a given project to the JEA Representative one (1) week prior to start of the project so they can secure their access into the plant. **Photo IDs are required for all personnel that will be working on JEA property.**
- 9.2 Only authorized Contractor personnel shall have drive-on plant access. Contractor shall be responsible for transporting their personnel from the JEA designated parking area to their work area, when applicable.
- 9.3 A JEA issued security badge shall be visible at all times while on JEA property.
- 9.4 Background checks and mandatory training may be required for entry to NERC regulated spaces.
- 9.5 Parking on JEA property shall be approved through the JEA Representative. Parking for Company vehicles and Company personnel vehicles is limited to four (4) vehicles within the NGS facility. All Company vehicles driven onto plant sites must be properly identified with Company placards and emergency contact information placed on the dashboard when vehicle is parked or left unattended. Additional parking for personnel is available off-site in the

designated Contractor parking area.

#### 10.0 **TOOLS AND EQUIPMENT**

- 10.1 Contractor shall provide their own tools and equipment necessary to perform limestone crushing operations as directed by JEA.
- 10.2 Contractors are responsible for ensuring all tools and equipment used in JEA facilities and job sites are in safe operating condition.
- 10.3 Tools and equipment should be inspected before use to identify and repair any damage.
- 10.4 Tools should not be left in aisles, corridors or on ladders or other walkway surfaces.
- 10.5 Tools used on raised platforms should be secured with a safety line, or other method to prevent them from falling.
- 10.6 Use of tools or equipment, which produces dust or other particulate, must have adequate controls in place to minimize/prevent particulate fallout.
- 10.7 Non-sparking or explosion-proof tools/equipment must be used in flammable liquid storage areas or where concentrations of flammable vapors or combustible dusts may exist.

#### 11.0 **WORK HOURS**

- 11.1 Straight Time (ST) hours are performed from eight (8) to twelve (12) hours per day (the "Normal Workday"), not to exceed forty (40) hours per week (the "Work Week"). A Normal Workday may take place during the day, afternoon, or night shift.
- 11.2 Overtime (OT) hours are performed outside of a Normal Workday or Work Week, including weekends and holidays. Overtime shall be approved in advance by the JEA Project Representative and shall be paid after an employee has worked forty (40) hours for the Work Week or worked more than the Normal Workday.
- 11.3 Contractor shall not be paid at rates other than the price per ton rate in the Bid Form. Should JEA require additional volumes in excess of the contractors full run rate to support operations, JEA and Supplier will use solicitation terms and conditions to establish an alternate rate.
- 11.4 JEA Material Handling areas are staffed 24x7. Interior of limestone storage building is lit. Exterior lighting is also available. Contractor may set up additional portable lighting if necessary for nighttime operations.

#### 12.0 **COST METHOD**

##### 12.1 **Payment**

- 12.1.1 JEA will pay the Contractor for the work based on the pricing structure in the Bid workbook and the invoicing & billing process stated below and in the solicitation.
- 12.1.2 Mobilization – JEA will pay a fixed mobilization / fee for the company to mobilize and bring all equipment onsite and set up for the work. JEA will pay the pro-rata portion at 50% for

##### 12.2 **Invoicing**

- 12.2.1 On a monthly basis, the Contractor shall submit a preliminary invoice to the JEA Project Representative for approval. The preliminary invoice shall contain, at a minimum, the following backup documentation:

- 12.2.1.1 JEA Purchase Order number.
- 12.2.1.2 Invoice number.
- 12.2.1.3 Task Title.
- 12.2.1.4 Invoice billing period.
- 12.2.1.5 JEA Task Manager.
- 12.2.1.6 Task Order description.
- 12.2.1.7 Invoice summary for the work based on the unit prices in the Bid workbook.
- 12.2.1.8 Other backup documentation, as deemed necessary to verify accuracy of billing.
- 12.2.2 Upon approval by the JEA Project Representative, a final invoice shall be submitted per the JEA Purchase Order instructions.
- 12.2.3 Final invoicing shall be submitted within sixty (60) days of project task completion.

### 12.3 Labor Classifications

### 12.4 Work Rates

- 12.4.1 Limestone crushing operation services will be performed on a per dry short ton basis. The Rates shall be provided on the Bid Form or Bid Workbook (as applicable) and will begin when the applied as tonnage is processed.
- 12.4.2 Rates shall be all-inclusive such that each job classification shall include wages, taxes, benefits, workers compensation, general & administrative costs, profit and overhead, mileage to and from the JEA plant sites (unless Per Diem is applicable) and any other salary burdens for the worker's employment.
- 12.4.3 Rates shall be quoted inclusive of ALL Personal Protective Equipment (**PPE**).
- 12.4.4 Rates shall be quoted inclusive of ALL applicable training, certifications, and approvals required to operate vehicles and/or equipment and to safely perform the Work at the specified job sites in an environmentally responsible manner.
- 12.4.5 Rates shall remain fixed for the term contract duration.
- 12.4.6 Contractor shall make arrangements to allow all work as defined in this specification to be completed during Straight Time work hours.
- 12.4.7 Contractor will be paid at the "Rate" indicated in the Respondent Rates Workbook for all classifications of labor that are engaged in the Work.

### 12.5 Materials Mark Up

- 12.5.1 JEA does not expect any additional materials to be needed to be purchased for the work. Should JEA require the Company to purchase materials for the work, JEA will provide specific direction in writing as to the scope of materials to be purchased and what the purpose of the materials are for. In this case, materials purchased by the Contractor and used in the execution of the Work, the Contractor shall be paid the actual cost of such materials, including sales taxes, if required, and freight and delivery charges as shown by original receipted bills, with no Mark up.

12.5.2 The calculation for “Materials & Consumables Mark Up” shall be expressed as follows:

Example: Cost of Material/Consumables = \$2,000.00

“Materials & Consumables Mark Up” = 0%

Total Material/Consumables Cost plus Mark Up = \$2,000.00 x 1.0 = \$2,000.00

12.5.3 JEA reserves the right to select and approve, or to reject the materials to be used and the sources of supply of any materials furnished by the Contractor.

12.5.4 **PPE** shall not be invoiced as a material, as this cost is to be included in the Rates.

12.5.5 The cost of food, drinks, ice, and snacks, etc. of any type, shall not be permitted as a reimbursable cost.

#### 12.6 **Equipment Rental**

12.6.1 In no instance will JEA pay for equipment rental or other equipment costs. The cost of all equipment to perform the work shall be included in the Bid price / ton.

#### 12.7 **Subcontract Mark Up**

12.7.1 In no instance will JEA pay for equipment rental or other equipment costs. The cost of all equipment to perform the work shall be included in the Bid price / ton.

#### 12.8 **Overhead (Standard, General & Administrative (SG&A) Costs)**

12.8.1 All SG&A and any overhead costs will not be permitted as a separate billable cost. These costs must be included in the Rate bid.

12.8.2 Time spent by the Contractor developing an estimate for a job will not be permitted as a separate billable cost. These costs must be included in the Hourly Labor Rates bid.