



KSCSTE-Srinivasa Ramanujan INSTITUTE FOR BASIC SCIENCES

(An Institution under Kerala State Council for Science, Technology & Environment)

Pi Hills, 8th Mile, Velloor P.O., Kottayam – 686501



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No.SRIBS/29/2024-GA1

31-08-2026

NOTICE INVITING QUOTATIONS

Sealed quotations are invited from experienced and authorized manufacturers/suppliers for the supply, installation, testing and commissioning of an approximately 15 kg/hour capacity General Solid Waste Incinerator at the KSCSTE-Srinivasa Ramanujan Institute for Basic Sciences, 8th Mile, Pampady, Kottayam.

Name of Work

Supply, Installation, Testing and Commissioning of approximately 15 kg/hour Capacity General Solid Waste Incinerator with Chimney, Accessories and All Necessary Fittings at KSCSTE-SRIBS Campus.

1. Scope of Supply and Work

- Supply of one complete general solid waste incinerator/disposal unit of approximately 15 kg/hour capacity.
- Main/primary combustion chamber with suitable high-temperature-resistant construction.
- Suitable refractory lining and thermal insulation for high-temperature operation.
- Manually operated waste loading door with suitable closing arrangement.
- Ash collection chamber with access door.
- Adequate air inlet/air duct/nozzle arrangement for combustion.
- Suitable chimney/stack of minimum 4 metre effective height, or manufacturer-recommended height, whichever is higher.
- Chimney supports, clamps, bends, joints and other necessary fittings.
- Suitable base/support arrangement and mounting accessories.
- All standard accessories and connecting fittings required for safe and satisfactory operation.
- Transportation, loading, unloading and shifting of the equipment to the designated location at SRIBS Campus.
- Complete installation and assembly of the system.

- Testing, trial operation and commissioning of the complete system.
- Demonstration of satisfactory functioning and basic operational training to SRIBS personnel.
- Supply of operation and maintenance manual and warranty documents.
- Any other standard fittings/accessories required for complete and satisfactory commissioning shall be included in the quoted price.

2. Minimum Technical Specifications

Sl. No.	Parameter	Minimum Requirement
1	Type	General Solid Waste Incinerator / Fuel-Free Solid Waste Disposal Unit
2	Rated Capacity	Approximately 15 kg/hour
3	Fuel Requirement	Fuel-free operation preferred; bidder shall clearly specify the operating principle
4	Main Combustion Chamber	Suitable high-temperature-resistant fabricated chamber
5	Chamber Body	Minimum 3 mm thick suitable steel plate or equivalent. If more than one suitable material is available, separate rates shall be quoted for each material.
6	Thermal Insulation	Suitable fire cement/refractory and ceramic/high-temperature insulation
7	Loading Arrangement	Manually operated waste loading door
8	Ash Collection	Dedicated ash chamber with access door
9	Air Supply	Adequate air duct/nozzle arrangement for combustion
10	Chimney/Stack	Minimum 4 metre effective height or manufacturer-recommended height, whichever is higher
11	Chimney Accessories	Supports, clamps, bends, joints and other required fittings
12	Base/Support	Suitable base/support structure for installation
13	Operating Temperature	Bidder shall specify rated and maximum operating temperature
14	Efficiency	Bidder shall specify the rated efficiency/performance of the offered model
15	Installation	Complete installation and assembly at SRIBS Campus
16	Testing & Commissioning	Complete testing, trial operation and commissioning
17	Training	Basic operation, safety and routine maintenance training
18	Documentation	Operation and maintenance manual

3. Particulars to be Furnished by the Bidder

- Manufacturer and model number
- Rated waste processing capacity in kg/hour
- Type of incineration/combustion system
- Fuel requirement, if any
- Main chamber material and thickness
- Refractory/thermal insulation details
- Chamber dimensions
- Operating and maximum temperature
- Chimney/stack material, diameter and height
- Details of ash chamber
- Details of air supply arrangement
- Overall dimensions and approximate weight
- Installation requirements
- Warranty period and after-sales service details
- Expected delivery period
- List of all accessories and fittings included in the quoted price.

Note: The bidder shall ensure that all components, accessories, fittings, installation materials and services required for complete and satisfactory operation are included in the quotation. No additional claim shall ordinarily be entertained for standard accessories required for commissioning of the system.

4. General Terms and Conditions

- The bidder shall be an authorized manufacturer/dealer/supplier of the quoted equipment.
- The quoted price shall clearly indicate GST, transportation, installation, testing, commissioning and all incidental charges separately.
- The bidder shall provide complete technical specifications and catalogue/brochure of the offered model along with the quotation.
- The quoted equipment shall be new and unused.
- The bidder shall clearly mention the make, model and country of origin/manufacture of the equipment.
- The bidder shall clearly specify the warranty period and warranty terms.
- The bidder shall provide after-sales service and technical support during the warranty period.
- The bidder shall arrange all manpower, tools, equipment and materials required for installation and commissioning.
- The bidder shall carry out testing and demonstrate satisfactory operation of the incinerator after installation.
- Basic operation, safety procedures and routine maintenance shall be demonstrated to SRIBS personnel.
- The bidder shall provide operation and maintenance manuals along with the equipment.
- Any civil/electrical or other site requirements, if applicable, shall be clearly indicated by the bidder before installation.

- Any additional item required for complete commissioning shall be identified and included in the quotation.
- Payment shall be released after satisfactory supply, installation, testing, commissioning and acceptance of the equipment by KSCSTE-SRIBS, subject to applicable rules.
- The work shall be completed within 30 days from the date of issue of Work Order.
- The Director, KSCSTE-SRIBS reserves the right to accept or reject any quotation wholly or partly without assigning any reason.
- Submission of quotation shall be deemed as acceptance of all the terms and conditions specified in this quotation notice.

5. Submission of Quotations

- The sealed quotation shall be superscribed: "Quotation for Supply, Installation, Testing and Commissioning of 15 kg/hour Capacity General Solid Waste Incinerator" and shall reach the undersigned on or before **09.09.2026 at 3.00 PM.** **The same will be opened at 3.30 P M on the same day.** Quotations may be submitted to the office of SRIBS, Pi Hills, 8th Mile, Velloor P.O., Kottayam – 686501
- For further details, interested firms may contact the office of KSCSTE-SRIBS during working hours.



DIRECTOR



Dr. SURESH C. H.
Director
Srinivasa Ramanujan Institute
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