



## Indian Institute of Technology Kanpur

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Inquiry no.: IITK/IGC/01

Date: 15.12.2017

Closing date and time: 09.01.2018 at 3 pm (**Extended to 18.01.2018 at 3 pm**)

### **Sub: Call for quotation for composting of IIT Kanpur campus' biodegradable solid waste using drum/appropriate technique**

Sealed quotations (**Technical and Financial bids separately**) are invited from authorized suppliers for items and their specifications given below before 3 pm of 09.01.2018. **Revised due date for submitting your offer is on or before 3 pm of 18.01.2018.**

The quotation for provision of **solid waste composting services** should be sent in two parts in sealed envelopes, clearly marked as "**Technical Bid**" and "**Financial Bid**". The Technical Bid should contain detailed responses to the technical specifications listed below and **should not mention any prices**. The Financial Bid should include the detailed price quotation clearly, including the cost of the manpower, equipment, taxes, service charges, shipping and handling charges, if any. Our organization is an educational institute of repute and liable to get maximum education discount from service provider. Please specify it, separately. **The financial bids of only the technically qualified bidders will be opened.**

Note: Clearly highlight the technical parameters of your product when answering to the bid requirements below. A mere copy-paste of the technical parameters specified in the quotations or vague or incomplete responses will be rejected.

**Objective:** Composting of bio-degradable wastes from all residences, hostels, shops, canteens etc. in the IIT Kanpur campus using sustainable, eco-friendly, low cost, non-mechanical technology with minimal power consumption. Initially, a pilot composting project for treating bio-degradable wastes from about 110 residences is envisaged for a period of one year, including Saturdays and Sundays.



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### Specifications

- 1) The composting process should be carried out in closed containers, preferably a plastic drum.
- 2) The composting process should be relatively odourless.
- 3) The composting process should generate both liquid and solid composts.
- 4) The liquid compost should have the following parameters:

Nitrogen (N), Phosphorus (P), and Potassium (K) contents in the following range or even higher:    **N:** 800-1,900 ppm,    **P:** 0.5-32 ppm,    **K:** 10,000-20,000 ppm.

- 5) The composting time should vary between 15 days to 25 days depending on the season. A lower demonstrated composting time is desirable.
- 6) The compost yield should be as high as possible.
- 7) Institute will provide segregated biodegradable waste to the vendor and will be responsible for collecting and processing the liquid/solid compost.
- 8) Institute will provide the necessary infrastructure such as drums, handling equipment, gloves, etc, for composting. **Manpower for composting has to be provided by the vendor (Clearly specify these costs in your quote).**
- 9) The vendor will provide inoculum for composting and supervise the composting process.
- 10) The vendor should have at least 5 years' experience of working with government and reputed private institutions satisfactorily. Please attach orders and certificates.
- 11) The financial bid should also contain the cost for composting biodegradable wastes from (i) 500, (ii) 1000, (iii) 1500, (iv) 2000 and (v) 2500 residences. Four students living in a hostel would constitute one residence. The total student strength is approximately 6500 students.
- 12) The probation period is 3 months. The contract of the bidder may be terminated during this period by giving 7 days' notice. **On satisfactory completion of the pilot project, the term of the selected bidder may be extended by one or more years, subject to a maximum of three years, with possible increase in the quantum of biodegradable wastes based on point 11.** The institute reserves the right to terminate the contract after the probation period by giving one month's notice.

### Terms and Conditions:

- The vendor should supply list of past service (minimum 3, in last two years) in India of the same technique quoted against this enquiry.
- Service provider should have appropriate certification.



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- If the Financial Bid is included in the Technical Bid, then the quotation will be rejected.
- **Quotation should have minimum validity of 60 days from the date of opening.**
- Work should start within 30 days from the receipt of the work order. Shorter work start time may be given preference.
- Taxes, packaging, forwarding freight charges, if any should be mentioned.
- Quotation should carry proprietary certificates and authorization letters/certificates.
- Provide contact number/address for complaint, else quotes may be rejected.
- The firms may also quote for optional accessories which will extend the capability or ease of use of the process.3 months
- All quotations should be in the currency of the country of origin of the instrument and FOB and CIF, Delhi (if imported), and also converted to ₹.
- The Institute is exempted from excise duty and pays a nominal customs duty of ~5% under Govt. of India notifications 10/97 and 51196, respectively. Custom Duty exemption certificate under notification 51196 and road permit will be provided if applicable.
- Payments shall be made as per norms on satisfactory completion certificate of PI against work order. No advance payments can be entertained.
- Vendor should be registered with appropriate tax and other authorities. Proof of the same should be attached.
- Vendor should comply with various labour and other laws applicable to the vendor.
- The Institute reserves the right for accepting and rejecting any quotations without assigning any reason thereof. Also, the Institute reserves the right to reject or accept all or any of the offers made above.
- Bidders are requested to visit IITK website for opening of financial bids. No separate communication will be issued individually.
- Technical bids will be opened on ---**18th-January**---(day) in **–IIT Kanpur Stores and Purchase-Section**----(venue) at **–4 pm**---- (time).

Dr. Abhas Singh