

## **TECHNICAL SPECIFICATION FOR ADVANCED SORTING SYSTEM**

A mechanical particle separator (high capacity sieve shaker) is required for the rapid screening and sorting of large quantity of crushed recycled concrete and aggregate.

The system should be capable of sorting particles from batches of at least 50 kg material into size ranges of (i) above 20 mm (alternatively, above ¾ inch), (ii) above 10 mm (or 3/8 inch), (iii) above 4.75 mm, and (iv) sub-4.75 mm.

Warranty: 1 year from the date of installation.

Power supply: 220 – 240 V, 50 Hz.

### **Terms and conditions**

- The supplier/vendor must be an original equipment manufacturer or the sole authorized agent/dealer/seller of the item.
- The system should be delivered within 14-16 weeks from the opening of the letter of credit or issue of the purchase order, whichever is later.
- Costs and related information should be given only in the financial bid.
- The cost should include 24 months warranty of the overall system and CIF up to Chennai.
- The warranty shall commence only from the date of equipment installation at IITM.
- Prices quoted should be valid for at least 90 days.
- Item-wise break up of cost should be provided in the commercial bid for different items.
- IIT Madras reserves the right to exclude some items from the purchase.
- The system should be installed and commissioned with no additional cost.
- Training at IIT Madras should be provided with no additional cost.
- Two copies of the system manual should be provided in CD form.

- Detail of local services provider should be given.

**Technical Bid should comprise of the following:**

- Detailed Technical brochure.
- Detailed technical write up explaining how each of the Technical Specifications are complied with.
- The list of multiple Institutions/R&D units/Industry where similar installations have been supplied in India/abroad including contact details (name of the person in-charge, email, and phone number) is to be provided