

Call for tender

Organization Earth, SIRCLES project's partner in Greece, is launching a tender for the acquisition of a food and green waste mixer.

The deadline to submit your proposals is May 31, 2022.

All quotes provided should meet the specifications listed in the link.

For more information please contact: alexis@organizationearth.org

The organic and green waste mixer should meet the following specifications:

1. Must have a maximum height of 1200 mm.
2. It should consist of a conical silo:

Trapezoidal cross-section at least:

Bottom (base): Ø800mm

Upload upper side:

- Width 1000mm
- Length: 1600mm.

Its surface must be made of St-44 sheet metal at least 3 mm thick and its Ø800 base should be made also of St-44 sheet metal at least 18 mm thick.

3. It must have an opening on the base of the mixer for unloading the material when turning the screw. The opening should be opened and closed with a pneumatic-hydraulic piston or other mechanical means.
4. The agitation of the material should be made with a vertical screw with diameter at least Ø400 It should have wings with a wing pitch of maximum 450mm. The cross section of the wing should be trapezoidal at least 6 mm thick at the rear and 3 mm at the front.
5. The rotation of the screw should be executed by a suitable motor with power of at least 6 hp, with an angular electric gear reducer, with gear ratio of maximum 1:50. The stirrer must be fitted with suitable sprockets so that the screw speed does not exceed 25 rpm.
6. It should be equipped with an appropriate inverter for the rotation speed adjustment as well as to reverse the direction of screw movement. It should also include an electrical panel with all the appropriate automation for the machine operation, as well as the necessary safeguards for the user protection during operation.
7. The mixer should be equipped with a suitable ground support device.
8. The offer should include the cost of transport and installation of the mixer at the biological treatment plant of the Municipality of Andros in the Bay of Korthio in Andros.
9. The manufacturer of the machine must be certified according to ISO 9001: 2015