



**INDIAN MARITIME UNIVERSITY  
CHENNAI CAMPUS, EAST COAST ROAD  
UTHANDI, CHENNAI – 600 119**

**Quotation for Installation and Supply of Food Waste Treatment Plants  
at  
IMU Chennai Campus**

**Last Date for Submission: 25.03.2024, 15.00 Hours**

**Date of Opening: 25.03.2024, 15.30 Hours**

**DIRECTOR  
INDIAN MARITIME UNIVERSITY  
CHENNAI CAMPUS**

## GENERAL RULES AND DIRECTIONS FOR GUIDANCE

**1. Deadline for submission of Quotation:**

Quotation must reach the Director, Indian Maritime University (Chennai campus), Uthandi, Chennai 600 119 at 1500 Hrs. **on or before 15:00 Hrs on 25.03.2024**

**2. Price quote:**

The amount quoted by the tenderer in the Bill of Quantities shall include all costs including labour, materials, equipment, transport charges, tests, weight measuring, etc.

**3. Validity of Quotation**

Quotation shall remain valid for a period of **30 days** from the date of opening.

**4. Opening of Quotation**

Quotation will be opened at the office of the Director (Chennai Campus), **at 1530 Hrs on 25.03.2024.**

**Deputy Registrar (Admin)  
Indian Maritime University-Chennai Campus**

## Quotation for Supply of Food Waste Treatment Plants

The Indian Maritime University Chennai Campus invites quotes for a Food Waste Treatment Plant (Bio Gas) with the latest technology.

### Food Waste Treatment Plant:

SNO	ITEM	Values (Approx.)
1	Material of construction of the main system	FRP
2	Dimension in mm	L-1950 B-1150 H-1800
3	Raw Food waste processing capacity in kGs	<b>75</b>
4	Water requirement (for crushing food waste) in litres	75
5	Initial cow dung (liquid) slurry in kGs (approx.)	1200
6	Biogas generation in cum per day( at optimum capacity)	4
7	Digested slurry/manure in litres (at optimum capacity)	120
a	Gas storage Balloon (size in cum)	2
b	Balloon Stand	Powder coated
c	Canteen burner in cubic feet (cft)	40
d	Pressure Pump (20W) + Cut off Sensor	Yes
e	Food waste crusher – 0.75 HP	1 no
f	Stand by Crusher - 0.5HP	1 no
g	Feed Pump – 0.5 HP	1 no
h	Re-circulation Pump - 0.5 HP	1 no
i	Barrels for Inlet Feed & Outlet Collection	2 nos
j	CPVC pipes & fittings (up to 25 mts)	1 lot

### 2. Erection & Commissioning

- a. Erection and Commissioning at the site with duration shall be indicated by the supplier.
- b. Training to a nominated representative of IMU Chennai Campus and handover the documented Standard Operating Procedure (SOP) to IMU CC.

### 3. Scope of the Work:

**The following shall be furnished by the vendor:**

- i) Flat Cement Platform (PCC) of dimension **Length \_\_\_\_\_ Width \_\_\_\_\_ Height \_\_\_\_ ( All in feet)**
  - ii) Kitchen sink requirement.
  - iii) The location of crusher Freshwater & single phase supply point.
  - iv) Space in the kitchen requirement.
4. Warranty against manufacturing defects of the plant and equipment supplied, subject to usage of plants shall be furnished by the supplier. During this period any maintenance / repair service if required shall be done at the supplier's cost. The Supplier must provide hand-holding support to IMU(CC) to ensure proper functioning of the Plant for the entire Warranty period, which would have to be suitably extended, in case of system remains non-functional for more than 02 days at a time, due to defective system components.