



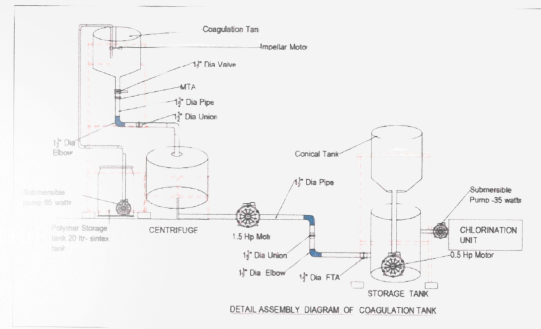
# REQUEST FOR PROPOSAL(RFP)

## MOBILE FAECAL SLUDGE UNIT (MTU) DEPLOYMENT IN ANDHRA PRADESH 28.02.2025

The Vijayavahini Charitable Foundation (VCF) invites Proposal under E-Procurement for the supply of the : **MOBILE FAECAL SLUDGE TREATMENT UNIT (MTU)**

The Mobile Faecal Treatment Unit (MTU) is an onsite faecal sludge treatment system mounted on a truck, designed to process septic tank waste. It operates through solid-liquid separation, sludge thickening, and effluent treatment, ensuring the treated effluent meets India's disposal standards. By reducing moisture content in sludge and treating liquid waste before disposal, the MTU minimizes the need to transport entire septic loads to treatment sites, addressing key challenges in managing septic waste safely.

### Schematic of the Vehicle.



#### 1. Makes/ models of Components. Used in MTU

Items	Specification	Vendor/ Manufacturer
Pressure gauge	0 - 7 bar or 0-100 psi/ Liquid filled	
Motors specification	1 HP Crompton - CNB10NV; Head 6-39, 4920-1200 LPH, 0.75 KW	Crompton
	1.5 HP Kirloskar; KDS-1.525 Plus single phase, 240 V, Head -26 m, Flow rate 156 LPM, 1.10 KW	Kirloskar
	0.5 HP Crompton Model STPG052(1PH)- 30-130 LPM	Crompton
	Impeller motor - 220v/50Hz, 880W, 750RPM, Spindle size-12mm	Polymak
	Polymer dosage- submersible pump- Model RS 6100, AC 220V, 85 W, Qmax-4000L/H, Hmax- 4m	RS Electrical Aquarium pump
	1.5 HP Suguna motor (RPM 1420); Single phase; 230 v	Suguna industries
TSS Sensor	DIQ/S 284; MCB; Viso Turb 700 IQ; PU Tube; Saciq 7.0	

Interested Agencies/ organizations may send in their Techno-Commercial proposal( Quotation ) to [Procurement@vijayavahini.org](mailto:Procurement@vijayavahini.org) with in 7 days from the date of this Publication