TECHNICAL SPECIFICATION	**SUCTION MACHINE - 10,000L**

Vehicle	**16/19 TON GVW BS VI**	
Application	Sludge Suction	The Suction machine is useful to clean sewer line, cesspit, cesspool etc. by siphoning out of mud, slurry and other material. Aspiration of the effluent from sewer and drain water lines and chambers will be carried out on the principal of generating high vacuum in the sludge tank compartment form shiphoning out effluent,liquids,sludge and other materials.
	Sludge stirring	The unit is provided with sludge stirring arrangement by which solid silt accumulated in sewer line is stirred and converted into liquid /semi liquid form by high velocity air.
	Sludge blowback	The unit is also provided with blow back system in which only water content of the sludge tank is discharged by pressurizing the tank so that the carrying only the sludge / material waste without transporting the unwanted water portion.
Sludge Tank Construction	Capacity (liters)	10,000
	Thickness (mm)	**8 mm**
	Material	Mild steel (IS:2062)
	Shape	Cylindrical
	Baffle	Welded inside the Tank
	Ladder	Fitted to Climb on top of the Tank
	Lifting Hook	For Lifting the Tank
	Side Railing	Fitted Both Side of the Tank
	Discharge Valve	Ball Valve
	Suction Valve	Ball Valve
	Welding	Arc/Mig Welding
	Paint	Epoxy Primer inside the Tank
	Rear Door Sealing	U Shape Heavy Duty Rubber Gasket
	Door Locking	Manual Screw Type Locking
Drive	For vacuum pump	Vehicle Gearbox Fitted PTO
Suction Machine		

Vacuum Pump	make	Jurop /Equivalent
	Type	Sliding Vane Pump
	Flow	540 cum/hr
	Pressure	1.5 Bar Absolute
	Max Vacuum	92%
	Cooling	Air Cooled
Primary Shut Off	Use	To Protect the Pump From Sludge And Foreign Particles Entering Due To Overflow From the Tank.
	Type	Ball Float Type
	Fitting	Inside the tank
	Float Ball	Rubber/Stainless Steel
Secondary Shut Off	Use	To Protect the Pump From Sludge And Foreign Particles Entering Due To Overflow From the Tank.
	Type	Ball Float Type
	Fitting	Fitted After Primary Shut Off
	Float Ball	Rubber/Stainless Steel
Suction Strainer	Use	To Protect the Pump From Entering Solid And Semi Solid Particles.
	Type	Basket Type With Stainless Steel Mesh
	Fitting	Fitted in Pump Suction Line After Secondary Shut Off
Exhaust Silencer	Use	To Dempens the Air Flow,Thus Reducing the Operational Noise Level.
	Fitting	Fitted in Pump Exhaust Line
Hydraulic system	Tank Tipping	Hydraulic-Front Mounted Cylinder
	Rear Door	Hydraulic Openable Type
	Hydraulic pump	Dowty/equivalent gear pump
	Control valve	Walvoil/equivalent make DC valve
	Oil tank	Fitted with accessories like Suction strainer,return line filter,oil level gauge etc
Accessories	Sludge Level indicator	Acrylic Tube Type
	Compound Gauge	100mm Dial
	Quick Coupler	Imported Italian make
	Pressure Relief Valve	Imported Italian make
	Vacuum Relief Valve	Imported Italian make
Paint	Primer	Two Coat of Epoxy Primer
	Finish	Two Coat of Pu/Synthetic Paint