Mobile Suction Machine
For Cleaning Sewer Manholes and Water Entrances

IPWT, the renowned name in sewer cleaning and storm drainage systems, now offers time and cost-saving, maintenance-free, vehicle-mounted, PTO (power take-off) driven GULPIT Suction Machines.

GULPIT is a product of IPWT's in-house development program, that lets you use the truck engine for all cleaning operations, adding to the fuel economy.

GULPIT is custom-made so as to snugly fit onto any commercial truck chassis.

GULPIT is especially designed to make the task of removal of sludge materials, easy and effective. The effluent liquids and sludge materials are sucked from the sewer manholes and water entrances into its own tank and then transported and discharged at the right place in an environmentally friendly and hygienic manner.

GULPIT consists of a tank with 360° rotatable suction boom and a superior dual cooled (air + water-cooled) vacuum pump or compressor mounted on the vehicle. The power to the pump is given from the truck engine through PTO; thus creating vacuum in the tank. Controls are provided for tank-tipping, door-opening, boom valve-opening and boom lift on an electro-control pendant.

The tank shall be cylindrical in shape and shall be fabricated from mild steel sheets as per IS2062 and shall be electrically welded with suitable reinforcement to prevent from collapse and elongation in vacuum and pressure conditions.

GULPIT machines are custom-made in capacities depending on gross vehicle weight (GVW) of truck chassis (suggested tank capacities: 1500 lts. on 5 ton GVW chassis; 3000 lts. on 10 ton GVW chassis; 6000 lts. on 16 ton GVW chassis; 9000 lts. on 25 ton GVW chassis).

GULPIT totally satisfies the underground cleaning needs of municipalities and sewer authorities, industrial plants, military and utility companies...all at once.

Maintenance is virtually nil for these rugged machines and at the time when they need to be serviced, our after sales service is just a phone call away!

The Vehicle Mounted Suction Unit shall be robust in construction and shall be used to create a vacuum for syphoning out mud and slurry, grit and other material from sanitary, storm and sewerage systems. The unit shall be capable of syphoning out material from a depth of 8 mtr.

A SIMPLE CLEANING PRINCIPLE:

The GULPIT Suction Machine is driven and positioned near the manhole which has to be cleaned. The suction boom is rotated and positioned such that hose remains vertically above the manhole. The required number of suction hose segments are connected with the help of quick couplings to the boom and the other end is dipped inside the sludge to be sucked. The PTO is then engaged to create the vacuum inside the tank. Once this vacuum is created, the boom valve is opened and the sludge is sucked from the manhole into the tank. The sucked materials can be discharged by tipping the tank hydraulically.

GULPIT requires only two operators for carrying out complete operation and maintenance with ease.

THE HEART OF EVERY GULPIT SUCTION MACHINE:

The heart of every GULPIT is provided by quality BATTIONI PAGANI S.P.A. (Italy) or equivalent imported Vacuum Pump. The vane blades of the vacuum pump are of heat-resistant material with dual cooling system (air + water-cooled) to avoid overheating in tropical condition. Designed for utmost in capability and output, BATTIONI pumps create greater amount of vacuum (95%) for efficient suction and require negligible maintenance.

BATTIONI PAGANI S.P.A., Italy is an internationally renowned company and has been in this business for over 50 years. The imported vacuum pump provided by us is capable of producing over 90% vacuum and min. 1 bar discharge pressure which is impossible to achieve with locally manufactured pumps as these are not manufactured for specific purpose of sewage suction besides are of lower quality.

ADVANTAGES:

- Can clean sewer manholes and water entrances where normally manual cleaning is impossible due to inhuman conditions and poisonous gases
- Maintenance is virtually nil for first few years
- Easy to operate as no special skill is required
- Reduction of labour-oriented method of cleaning, thus upgrading dignity of labour
- Can be customised to suit any client’s requirement
- Cleans blockage from the most inaccessible points in Sewer manhole and water entrances