



## Mobile Jetting-cum-Suction Machine For Cleaning Sewer Line and Storm Water Drain



1



2



3

IPWT, the renowned name in sewer cleaning and storm drain cleaning systems, now offers time and cost-saving, maintenance-free, vehicle-mounted, PTO (power take-off) driven **JETSUC® Combination Machines**.

**JETSUC®** is a product of IPWT's in-house development program, that has over the years earned an reputation for designing products of specialised use and lasting value.

**JETSUC®** is custom-made so as to snugly fit onto any commercial vehicle chassis.

**JETSUC®** is especially designed to make the task of cleaning and maintenance of sewer and storm water drains, easy and effective. **JETSUC®** cleans sewer and storm water drains by a combination of jetting and suction actions, taking place simultaneously. The blockages and settled sludge materials in the pipelines are blasted-out by high pressure jets and collected towards the manhole from where it is sucked into its own tank. The sludge material is then discharged at the right place in an environmentally friendly and Hygienic manner.

**JETSUC®** consists of two tanks (a water tank and a sludge tank), a high pressure water jet pump and a blower or vacuum pump for suction. The power to the pump is given from the truck engine through PTO or alternatively through a separate engine or a combination of both, the PTO and the engine.

**JETSUC®** machines are custom-made in capacities depending on gross vehicle weight (GVW) of truck chassis (suggested tank capacities : jetting-5000 lts. / suction-2000 lts. on 16 ton GVW chassis ; jetting-5500 lts./suction- 4500 lts. on 24 ton GVW chassis).

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

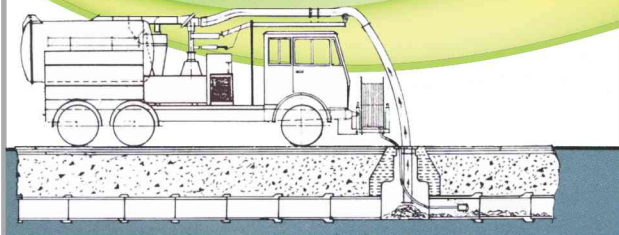
Maintenance is virtually nil for these rugged machines and at the time when they need to be serviced, our after sales service is just a phone call away!

1. Mid-size **JETSUC®** combination unit (jetting-4500 lts. ; suction-3000 lts.) ; mounted on 16 ton GVW chassis ; supplied to Capital Project Division No. 3, Gandhinagar in 2005.
2. Mid-size **JETSUC®** combination unit (jetting-5000 lts. ; suction-4000 lts.) ; mounted on 16 ton GVW chassis ; supplied to Perambalur Municipal Corporation in June 2012.
3. Mid-size **JETSUC®** combination unit (jetting-3000 lts. ; suction-4000 lts.) ; mounted on 16 ton GVW chassis ; supplied to Government of Puducherry (PWD) in Nov 2010.

MAINTENANCE EQUIPMENT  
drainage



Schematic diagram showing **JETSUC®** performing a combined suction and jetting operation from deep manholes which are inaccessible to manual labour and also dangerous due to toxic gases present in the drain



#### A SIMPLE CLEANING PRINCIPLE :

The **JETSUC®** Combination Machine is driven and positioned near the manhole which is to be cleaned. The suction boom and jet hose reel are positioned such that they are vertically above the manhole. The required number of suction hose segments are connected to the boom and the other end is dipped inside the manhole to the bottom. The jetting hose, fixed with a nozzle, is positioned into the mouth of the drain. The PTO is then engaged to create vacuum inside the tank and initiate the high pressure jet, simultaneously. The jet nozzle runs through the drain pipe breaking all blockages and settled debris and pulling all sludge and other obstructive materials towards the manhole from where it is sucked into its own sludge tank.



**NOZZLES AND CUTTERS**



**DRAIN CLEANING : A CLOSER LOOK**

#### ADVANTAGES :

- Single combined machine for both, jetting (clearing blockages) and suction (sucking up the cleared debris)
- Can clean sewer lines, storm drains, cess pits, septic tanks, where normally manual cleaning is impossible due to inhuman conditions and poisonous gases
- Maintenance is virtually nil for the first few years
- Easy to operate as no special skill is required
- Cleans blockage from the most inaccessible points
- Reduction of labour-oriented method of cleaning, thus upgrading dignity of labour
- Can be customised to suit any client's requirement
- Can earn immense revenue for the client, thereby offsetting the cost of the machine

**THE HEART OF EVERY JETSUC® COMBINATION MACHINE :**  
The heart of every **JETSUC®** is provided by quality **PRATISSOLI POMPE (Italy) / MYERS (USA)** Jetting Pump and **BATTIONI PAGANI S.P.A.(Italy)** or equivalent imported Vacuum Pump. Designed for utmost in capability and output, these pumps deliver greater amount of water flow / pressure and exceptionally high vacuum for sewer cleaning and require negligible maintenance.

**M/S BATTIONI PAGANI S.P.A.,** Italy is an internationally renowned company and has been in this business 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.

We may point out here that our Jetting system has imported triplex pumps from **PRATISSOLI POMPE (Italy)** known for over 60 years. This pumps have been offered in all Sewer Cleaning Units supplied by us till date in India.



Winner of the prestigious 'National Award for Import Substitution' in 1982 for Garbage Compactor



Dun & Bradstreet Rating : SE2A "High Performance Capability and High Financial Strength"



Quality Management System ISO 9001:2008



Environmental Management System ISO 14001:2004

#### INDUSTRIAL PLANTS & WASTE TREATMENT CORPORATION

##### Mumbai :

Suite B2, 34, Deonar Ancillary Industrial Complex, Deonar, Govandi (W), Mumbai 400 043.  
Tel. : 022 - 2556 1810  
Fax : 022 - 2550 6590

##### Mumbai Works :

Plot No. 71, Survey No. 238 (Part), Vasai Taluka Indl. Estate, Village Achole, P.O. Gokhivare, Tal. Vasai, Dist. Thane  
Tel. : 0250 - 2455 328

##### New Delhi :

25, National Media, Centre, Shankar Chowk, NH-8, Gurgaon 122 002  
Tel. : 0124 - 400 8233  
Fax : 0124 - 235 6906

##### Chennai :

7, Signet Home, 6th Avenue Harrington Road, Chetpet, Chennai 600 031  
Tel. : 044-2836 5255  
Fax:044-2836 3429

##### Bangalore :

72, Shalimar Apartments, 3, D'souza Road, Behind Devatha Plaza, Bangalore 560 025  
Tel.:080 - 2224 0037  
Fax:080 - 2224 0143

##### Kolkata :

IPWT Corporation FD-450, Sector-III, Ground Floor, Salt Lake, Kolkata-700091  
Tel.:033 - 4007 6049  
Fax:033 - 4007 6049

##### Ahmedabad :

Q-106 & 107, Shrinand Nagar - III, Vejalpur, Ahmedabad - 380 051