



USHA ENGINEERINGS

An ISO 9001 - 2015 Certified Company



Manufacturers of Waste Handling & Hydraulic Equipments



*The era of automated
cleaning emerges ...*



VISION BEYOND THE HORIZONS



The Dawn of Automation

It was the dawn of a new era; where the brightness of Usha brought about a new light in the manufacturing of municipal waste handling and hydraulic equipments. Almost 25 years ago, Usha Engineerings, pioneered the manufacturing of the kind of equipments that would revolutionize the handling of waste and of various hydraulic equipments including sky lifts and fire fighting equipments. All manufactured with the strictest adherence to the highest of international standards. Today Usha Engineerings is an ISO certified company with ISO 9001-2015.

On the threshold of an engineering evolution

A social revolution in a caste ridden country like India, the mechanization of waste handling heralded a new dignity for the labour classes. With hydraulic equipments, Usha lent a tremendous degree of safety and ease of operation for the garbage handlers, fire fighters & other Hydraulic equipments. In its own silent way, Usha lit up the cause of many labourers granting a high level of convenience to their efforts.

We are leaders of repute in the manufacturing of waste and hydraulic equipments. The equipments are of assured quality, with the highest standards of design, durability, maintenance and safety. Consumer satisfaction is of paramount importance and we do our utmost to meet the precise requirements of our customers. Usha is now ready to take on the world of automated equipments – be it waste handling & hydraulics world. We shall continue to set the highest standards of excellence.





Mini Super Sucker on Tata Ace



Mini Super Sucker of 3000 Ltrs. Capacity on Tata 407

Super Sucker

The Usha Super Sucker Sewer Cleaning Machine is designed with the latest technology and manufactured with the strictest adherence to the highest international standards. These super sucker machines are used for de-silting sewer lines and are capable of performing the following functions:

- 200mm to 2000 mm lines (trunk and branch) de-silting
- Cleaning and disposal of septic tanks
- Inspection of lines with CCTV
- Linear provision



Mini Super Sucker of 8000 Ltrs. Capacity on 16 Ton Chassis



Super Suckers





**Mini Jetting Machine
For Toilet Cleaning**



SLCM 9000 Ltrs.



**Sewer Jetting Machine of 1500 Ltrs.
on Mahindra Bolero Pick up**

Sewer Cleaning Machines

We offer a wide range of Sewer Jetting Machines that are used for cleaning of sewer lines and pipe lines.

The Sewer Jetting-Cum-Suction Machine combines high pressure sewer jetting operation and suction operation with a blow back system. We provide two separate tanks, one for fresh water and the other for sludge. The Sewer Jetting-Cum-Suction Machine is ideal for suction as well as jetting.

CAPACITIES: 3000 L TO 12000 L

***Specifications can be changed as per customer's requirements.**

Salient Features :

Jetting function is ideal for opening blocked underground drainage of 4"-36" diameter. High pressure suction operation sucks particles up to 40 to 50 mm in diameter from a distance of 100 feet and a depth of 25 feet.



Sewer Jetting cum Suction Machine 12000 Ltrs.



Sewer Jetting cum Suction Machine of 10000 Ltrs.



Sewer Jetting cum Suction Machine of 8000 Ltrs.



Sewer Suction Machine of 3000 Ltrs.



Sewer Suction Machine with Auxiliary Engine



Tractor coupled Suction Machine



Muljet Machine



De-Siltman on Mahindra Bolero

Specifications

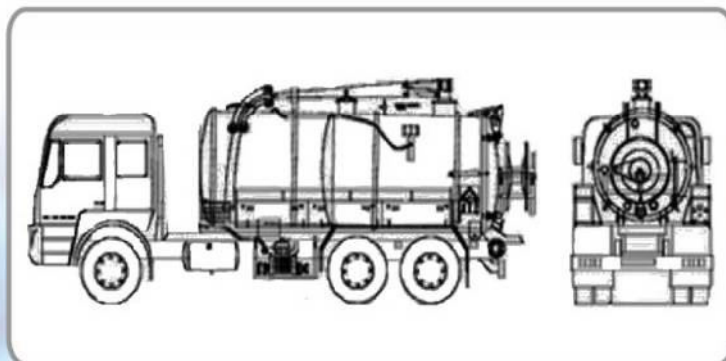
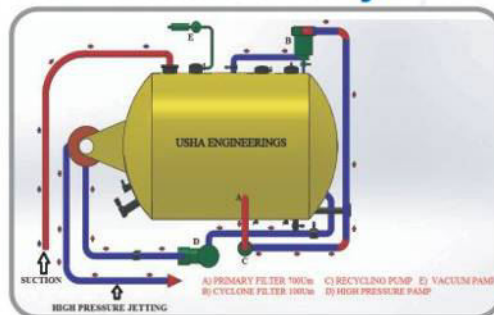
GVW (kgs.)	Total Tank Capacity	Tank Capacity	Drive	SUCTION				Tank Capacity	Drive	JETTING		
				Type	Vacuum %	Displacement	Pressure (Bar)			Type	Pressure (Bar)	Discharge (LPM)
3000	3000 ltrs.	2000 ltrs.	Thru Auxiliary PTO	Rotary Vane Sliding	90	318	1.51	1000 Ltrs.	Thru Auxiliary Transfer Gear Box	Triplex Plunger Pump	130	70
11000	6000 ltrs.	3000 ltrs.	Side PTO/Split Shaft PTO	Rotary Vane Sliding	90	432	2.01	3000 Ltrs.	Split Shaft PTO	Triplex Plunger Pump	120	122
16000	7500 ltrs.	3000 ltrs.	Side PTO/Split Shaft PTO	Rotary Vane Sliding	90	432	2.01	4500 Ltrs.	Split Shaft PTO	Triplex Plunger Pump	155	263
25000	12000 ltrs.	5000 ltrs.	Side PTO/Split Shaft PTO	Rotary Vane Sliding	90	612	2.01	7000 Ltrs.	Split Shaft PTO	Triplex Plunger Pump	155	263

Specifications can be changed as per the requirements of the customer.

USHA-REC High Volume Waste Water Recycler

The USHA -REC high volume recycler is the most versatile where blockages, sewer cleaning work and de-silting are required. The recycler is equipped with the latest high performance jetting, with continuous jetting at high pressure, with suction capability to lift silt and debris from great depths.

The recycler vehicle comes with a fully remote controlled unit. The recycler re-uses the jetting water and requires as a rule only one water filling a day, achieving a significant water saving and considerably less strain on the environment.





Side Loading Refuse Collector



Refuse Collector with Packer



Refuse Collector



Refuse Compactor

Refuse Compactors

These Refuse Compactors collect garbage from bins hydraulically and empty the garbage at the dumping ground. The garbage is compacted by the packer plate against the push-out plate and its cylinders, which results in increasing the weight of the garbage which is carried out by the compactor.



Refuse Compactor 8 Cum



Garbage Compactor 12 Cum



Automatic Refuse Compactor with Galvanized Bin

Specifications

	Mini	Medium	Large
Capacity (cubic meters)	6/7/8	14	16
Required GVW (tonnes)	11	16	25
Required Chassis Wheelbase (mm.)	3600	4200	Tipper Chassis with Double Live Axle

Specifications can be changed as per the requirements of the customer.

Road Sweepers

Clean street, neat squares - wherever the USHA Road Sweepers have been, the quality of life improves.

We are engaged in manufacturing Road Sweepers that are very easy to operate. We are recognized as pioneers among the leading manufacturers, suppliers and exporters of Road Sweepers. The machine is fabricated as per the highest industrial standards under the strict supervision of experts.



Road Sweeper



Road Sweeper on Mahindra Bolero

Hopper

Hoppers are used for door to door garbage collection. A hopper can be installed on a 3/4 wheeler chassis. It is used for transporting and dumping the garbage directly in the refuse compactor or specially designed containers. It can be of 1.0 cubic metre to 3.0 cubic metre capacities depending on the chassis.



Hopper with Bin Lifts



Twin Bin Hopper with Individual Hydraulic System



Hopper Single Bin



Hopper Dual Bin



15 Mtrs. Sky Lift with Slew Bucket



2 Boom type Sky Lift of 9 Mtrs. on Mahindra Bolero



3 Boom type Sky Lift of 9 Mtrs. on TATA ACE



Sky Lift of 9 Mtrs. on TATA Xenon

Sky Lift / Hydraulic Platform

Usha Engineerings manufacture the heavy duty Sky Lift. We use high quality raw materials that are sourced from the most trusted vendors of the industry. We are counted among the leading manufacturers, suppliers and exporters of Sky Lifts. Each lift is designed to suit the customer's specific purpose.

Hydraulic Lifts are :

- Available in multiple models
- Accurately designed
- Long working life
- Easy to operate

Suitable for :

- Outer maintenance work of buildings
- Maintenance of street lights



Telescopic Sky Lift



Z Boom Type Sky Lift 11Mtrs.



Three Boom Sky Lift 9 Mtrs.



3 Boom Type Hydraulic Platform 15 Mtrs.

Specifications

	3-Boom		Z- Boom				Telescopic- Boom	
Working Height (mtr)	8.5	7	9	11	13	15	13	15
Working Load (kgs.)	150	200	200	200	200	200	200	200
Out Reach (mtr)	3	2	3	3.5	4	4.5	8	9
Chassis GVW (tonnes)	1.5	2	4	4	7	11	11	11
Wheel Base (mm)	Tata-Ace*	Tata-207*	3100	3100	3400	4200	4200	4800

Specifications can be changed as per the requirements of the customer

*Or equivalent chassis.



Sky Lift

Cattle Catchers

The Animal Catcher is used for loading, unloading and ferrying cattle to other places. Animals are made to stand on an anti-skid platform on the ground level which is lifted hydraulically to the level of the vehicle bed. The platform has railings to prevent animals from jumping out. Once the platform is in the line of the vehicle bed, the animal is taken in the vehicle and the platform is hydraulically closed and acts as a rear door for the vehicle. It can be mounted on a 3100 – 5100 mm wheel base chassis.



Static Compactors

Our range of static waste compactors can cater to most waste and recycling operations. All our static machines can easily be adapted to fit different loading systems, including air-fed systems, conveyor-fed systems and dock loading applications.



Portable Compactors

Portable Compactors are supplied in roll-on/roll-off (hook lift) formats, to suit customer's transport requirements and with integrated or external bin lifts. With compaction ratios of around 5:1 a portable compactor can hold much more waste than a standard skip, meaning many fewer collections for the waste to be disposed.



Hook Lift Specifications

Hook Loader				
Capacity (cu mtr)	8	12	16	20
GVW (tonnes)	11	16	25	30
Wheel Base (mm)	3600	4200	Tipper Chassis with both live axles	

Specifications can be changed as per the requirements of the customer.



Dumper Placer

We are counted among the leading manufacturers, suppliers and exporters of waste handling and hydraulic equipment. The Dumper Placer is available in single and twin bin systems. The Dumper Placer is generally mounted on a L.C.V., M.C.V. or H.C.V. truck chassis. It is taken to the dumping site where the load is dumped conveniently.

Salient Features

Garbage / refuse is directly collected into the containers which are placed at various collection points in the busiest and most thickly populated areas of the city. The system with the loaded container is transported to the dumping site and the same is tipped hydraulically to discharge its load.



Twin Bin Dumper Placer

Highlights

- Easy operation
- Low maintenance
- Highly efficient
- Long working life



Single Bin Dumper Placer with Container



Single Bin Dumper Placer with Container

Conveniently handles

- Debris
- Garbage
- Discarded building material



Twin Dumper Placer on TATA Ace



Specifications

		Single Bin Dumper				Twin Bin Dumper		
Capacity (cu mtr)	1.5	4.5	6	7	8	2.5	3	4
Required GVW (tonnes)	-----	7	9	11	15	7	9	16
Required Chassis Wheel base (mm.)	Ace, Pick-up	3400	3800	3800	4200	3400	3800	4200
Capacity of Bin to be lifted (cm)	1.5	4.5	6	7	8	2.5	3	4

Specifications can be changed as per the requirements of the customer.



Closed Top Tipper of 8 cum



Open Top Tipper of 6 cum



Closed Top Tipper of 10 cum

Tipper Trucks

Tipper Trucks are suitable for carrying garbage, sand, hard material, soil, ore and metal scrap.

Tipper Trucks are ideal for transporting various construction material and are also used to collect and dump material from construction sites. They are reputed for quality and sturdy performance in India and abroad.



Tipper Truck



Close Top Tipper Truck

Close Top Tipper

The Close Top Tipper Truck restricts garbage to spill during transportation. Moreover, these Close Top Tipper Trucks also control the foul smell of waste material.

Specifications

Tippers Open Top***

Capacity (cu mtrs)	1	2	3.5	6	8	12	16
GVW (tonnes)	3- Wheeler	Tata-Ace*	4 to 6	7	11	16	25
Wheel Base (mm)	-----	-----	3100	3400	3800	4200	Tipper Chassis with both live axles

*** Tippers can be close top also. Top will be closed hydraulically.

Specifications can be changed as per the requirements of the customer.

Containers



Dumper Placer Container



Refuse Compactor/ Collector Bin



Refuse Compactor/Collector Bin



Hook Lifter Bin



Galvanized Refuse Compactor Bin



Dumper Placer Container

Specifications

Equipment	Bin Capacity (Cubic Meter)
Dumper Placer Containers	2.5 to 8
Refuse Compactor/ Collector Bins	1.1
Hook Loader Containers	8 to 20

Specifications can be changed as per the requirements of the customer.

Other Equipments



Hydraulic Crane



Water Tanker with Pumps



Hydraulic Trolley capacity: 4-8.5 cum



Fire Tender



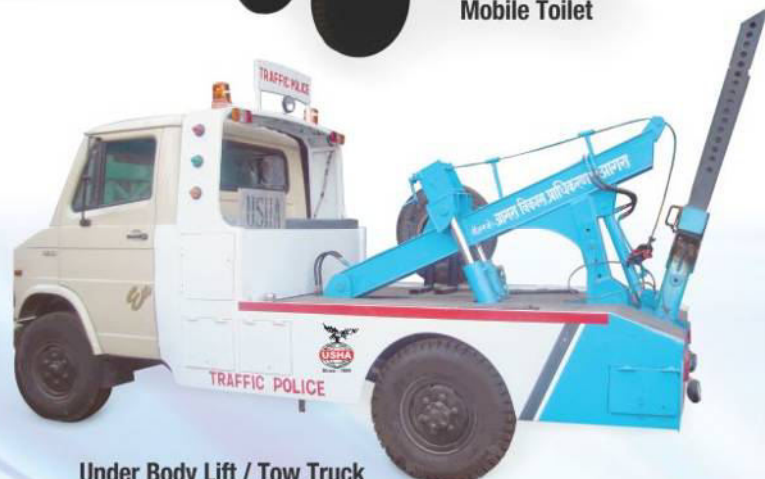
Galvanized Wheel Borrow



Mobile Toilet



Tipper on E-Rickshaw



Under Body Lift / Tow Truck



Hi-Power Suction Machine with Blower (8000 Ltrs. Capacity)



Refuse Compactor of 7 cum Capacity



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Manufacturers of Waste Handling and Hydraulic Equipments

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