



McRAYGOR Mechanicals Infrastructure



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WE



**McRAYGOR Mechanicals Infrastructure
is An**

ISO 9001-2008 certified company.

**We are the Leading Manufacturer of All Types of
Sewer Cleaning Machines, Solid Waste Management &
Material Handling Equipments in India.**

**The various Machines & Equipments Manufactured
by us at our plant are as under:-**

- ➡ Sewer Jetting Cum Suction Machine.
- ➡ Sewer Suction Machine.
- ➡ Sewer Super Sucker Machine.
- ➡ Sewer Cleaning Machine (Power Bucket Type).
- ➡ Sewer Rodding Machine.
- ➡ Mobile Toilet.
- ➡ Refuse Compactor.
- ➡ Dumper Placer.
- ➡ Jetting Pumps
- ➡ Suction Pumps.
- ➡ Chromoflex Spring Steel Rod
- ➡ All Types of M.S. Containers.

&

Material Handling Equipments



"Quality is our Motto"

SEWER JETTING CUM SUCTION MACHINE



Technical Specifications of Sewer Line Cleaning Machine Jetting Cum Suction Machine (5KL to 7.5 KL)

Specifications

- | | |
|-----------------------------|--------------------|
| Max. Sludge Tank Capacity | - 4000 Ltrs. |
| Max. Water Tank Capacity | - 3500 Ltrs. |
| Sludge/ Water Tank Capacity | - Inter Changeable |



Suction Pump.

- | | |
|----------------|------------------------|
| Type | - Vane Type |
| Capacity | - 400 M/Hr. Free Air |
| Maximum Vacuum | - 90% (27" Hg. Column) |
| Lubrication | - Oil Lubrication |



Jetting Pump.

- | | |
|-----------------------|--------------------------------------|
| Type | - Plunger Type |
| Flow Capacity | - 200 Ltrs./ Min |
| Max. Working Pressure | - 150 Kgs./cm ² /2100 PSI |
| Chassis | - TATA / Ashok Leyland |

Disclearimination : The capacity & size of the machine can varies according to vehicle & customers requirement.

"Accuracy & Perfection"

Jetting Pump & Suction Pump



SUPER SUCKER MACHINE



De-Silting of Sewer Line with Latest Technology.

- 200 mm to 1500 mm Lines Trunk & Branch Desilting.
- Disposal And Septic Tanks Cleaning.
- Inspection of Lines with CCTV (Optional)
- Linear Provision.

The McRAYGOR's MSM is a vehicle mounted MOST POWER FULL suction machine capable of creating vacuum for sucking out dense waste / sludge like mud, slurry etc. from heavily silted sewer lines. The high performance exhauster can be operated in vacuum mode. This is then collected into the tank by operating the system in the suction mode.



"Operation with Protection"

SUCTION MACHINE/ GULLY PIT EMPTIER



Basic Features :-

Sludge Tank Capacity - 3 KL to 6 KL
Suction hose : 75 MM / 100 MM dia
Suction from rear valve.

Operational Data

Suction Pump Drive - From PTO Fitted in Tractor / Chassis
Vacuum Gauge - 150 mm dia from 760 MM Kg. Vacuum
Suction Pump Capacity- 400 m/h Free Air
Pump Type - Vane Type
Lubrication - Oil Lubrication



"Performance to Perfection"

SEWER CLEANING MACHINE (POWER BUCKET TYPE)



TECHNICAL SPECIFICATION FOR SCM (POWER BUCKET TYPE)

Prime mover :- 10/12.5 H.P. Single/ Double Cylinder Diesel Engine.

Power Transfer :- Belt Clutch Type and Gear Reduction Combination.

Dia of Desilting Manhole :- Above 150 MM

"Standard & Universal"

Sewer Cleaning Machine (Rodding Machine)

Sewer Rodding Machine :-

The heavy duty rod turning machine is powered by light weight diesel engine which is equipped with a reduction/ reversing transmission via-V-belt and from the transmission of the torque limited rod drive shaft via a chain drive. The torque on the rod shaft is limited to 25 kg-m and the turning speed is limited to 120 rpm.



Chromoflex Steel Rod

"Effective and Efficient Cleaning"

Tipper



| S.No. | Description | Details |
|-------|---------------|-----------------------------------|
| 1 | Tank Capacity | 3 KL to 8 KL |
| 2 | Mounting | Tractor Trolley / Vehicle Chassis |
| 3 | Material | Heavy Duty Sheet |
| 4 | Valve | Butterfly Valve |

"We Serve The Best"

DUMPER PLACER 3 TO 6 CUM/ DUEL DUMPER PLACER



| Description | Details |
|---------------|------------------------------|
| ARM HY. JACK | 02 Nos. / 04 Nos. |
| HYD PUMP | Gear Pump |
| TIPPING | Manually Operated |
| BOOM ARM | Thick Box Section |
| LIFTING CHAIN | M.S. High Tension Mild Steel |



"Consistency with performance"

MS CONTAINER OF 1.1 TO 4.5 CUM CAPACITY

Technical Specification of M.S. Container of 4.5 Cum Capacity

BOTTOM

Bottom Supported With Heavy Duty Channel

BACK

Back M.S. Sheet With Silt Ribbed or Corrugated.

SIDE

Side M.S. Sheet With Ribbed or Corrugated.

Top M.S. Sheet in forces by Heavy Duty Channel

WINDOW

Window Open able 04 Nos

Window Frame Shall Be Made of Heavy Duty Plate Supported with Heavy Angles



"Heavy Duty"

OPEN DRAIN CLEANER MACHINE



OPEN DRAIN CLEANING MACHINE :-

McRAYGOR is one of the Premier Manufacturers & Exporter of Various types of Sewer Cleaning Machines / Drain Cleaning Machine in India. We Manufacture the Machines using the Finest Grade Raw Material.

Open Drain Cleaning Machine is very useful equipment and is used to clean Open Drain / Nalah on the road side.

SALIENT FEATURES :-

- It is developed on a tractor trailer chassis / TATA ACE.
- The back hoe can be extended and the person working on it can rotate in 90°.

ADVANTAGES :-

- It can collect silts, mud, debris etc from a depth of 5 feet and can accumulate the same in the trailer.
- Convenient to handle by semi skilled operator.
- Open Drain Cleaning Machine can mounted on TATA-207/ Tempo Trax / Mahindra Pickup with or without collecting tray.



D'SILTMAN MACHINE



D'SILTMAN :-

McRAYGOR is one of the Premier Manufacturers & Exporter of Various types of Sewer Cleaning Machines / Drain Cleaning Machine in India. We Manufacture the Machines using the Finest Grade Raw Material. D'siltman is Mounted on three wheeler/TATA ACE and is used for effective and efficient cleaning of Silt from Manhole & wet/ Sump holes.

SALIENT FEATURES :-

- The Volumetric capacity of the D'siltman's Hopper is 0.35 cubic meter.
- The bucket loading capacity is 20 to 50 Kg.
- The bucket travel upto a depth of 30 to 50 feet.
- Convenient to handle by semi skilled operator.

ADVANTAGES :-

- Absolutely no human touch, 100% hygienic & no life risk.
- No manual entry required into manhole.
- The shorter turning radius helps in easily maneuvering.
- Fastest operation.
- Durable & Economical.



AUTO JETTING MACHINE

McRAYGOR Mechanical Pvt. Ltd. provides the high pressure jetting unit to clean sewer lines - up to 12". The machine is best suitable for narrow lanes-easy maneuvering with multi uses.



TECHNICAL SPECIFICATION:

Water Tank Capacity - 500 Ltr.
Pesticide Tank Capacity - 5 Ltr.
Material - Heavy Duty Sheets
Jetting Pumps - Pressure upto 210 bar
Drive - From Diesel Engine

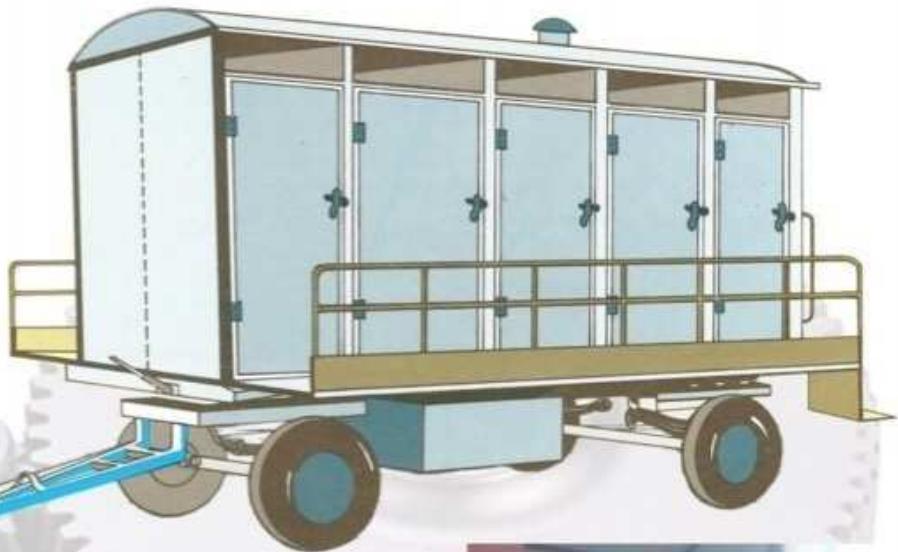
APPLICATIONS

Sewer Line Cleaner
Road/ Street Washing Small Fire Extinguishing
Container/ Vehicle Washing
Public Urinals / Toilets Cleaning
Pesticide Spraying

"We Make, Mend & Maintain"

MOBILE TOILET VAN

The McRAYGOR's Mobile Toilet Van is an ideal product to meet the temporary sanitary requirement of City Areas, Fairs, Military moving units, Defence camps, Health Camps, Places of Pilgrim, Sports Festivals & Public Meetings etc. It is mounted on the sturdy trailers. The Mobile Toilet Consists of Non-Corrosive stainless steel / fiber glass seats which can be easily cleaned. It is the best solutions to provide unique toilet facilities to slum areas, which solves the problem of big investment in building permanent toilets in congested urban areas.



"Keep the Environment Clean"

WATER TANKER / Wheel Barrow



| S.No. | Description | Details |
|-------|---------------|-----------------------------------|
| 1 | Tank Capacity | 3 KL to 5 KL |
| 2 | Mounting | Tractor Trolley / Vehicle Chassis |
| 3 | Material | Heavy Duty Sheet |
| 4 | Valve | Butterfly Valve |

HYDRAULIC PLATFORM \ SKY LIFT

General Technical Specification Of Boom Type Hydraulic Platform

Truck Mounted, Hydraulically Operated Platform Working Height Upto 15 Mtrs. Above Road Surface With An Outreach of 6.5 Mtrs. for Servicing the Street Light Etc. Chassis. the Platform Shall Be suitable of Safe Working Load of 200kgs.

Superstructure :-

Fabrication of any LCV Chassis with Specifically Designed Boom for Maximum life and optimum Regidity the vehicle can carry a Crew of 4 Members in the Cabin and Additional 2 Members Along with Equipment on the Platform.



"We Make, Mend & Maintain"

REFUSE COMPACTOR/ COLLECTOR MULTIPACK TYPE 6 TO 14 CUM CAPACITY



Technical Specification of Multipack refuses compactor :-

The McRAYGOR Multipack Refuse Compactor are manufactured with a body capacity ranging from 6 cum to 14 cum. The machine have heavy duty rugged bodies with high compaction rates and rear loading mechanism capable of handling bulky items. The equipment is equipped with lifting device to handle 1.1 cum capacity container. The equipment can also be loaded manually in to the hopper the tailgate. During loading the refuse is pushed towards the front of the body of the packer. The construction and layout of the bodywork gives good payloading without overloading the chassis or any of its axles.

Body - All worked construction with reinforced side panels to resist distortion and are based on channel shaped floor runner materials generally constructed from good quality high strength mild steel tailgate attachment eyes and hooks are hardened high tensile alloy steel.

Material - Generally constructed from high strength mild steel tail gate attachment eye and hook are hardened high tensile alloy steel.

| S. No. | Description | Details |
|--------|--------------|-------------------------------|
| 1 | Volume | 6.0 to 14 CUM |
| 2 | Loading Bin | 1.1 CUM |
| 3 | Bin Handling | 0.6 TO 1.1 CUM Steel |
| 4 | Loading | Hydraulic from Rear |
| 5 | Unloading | by Tipping or by Push Plate |
| 6 | Hyd. Pump | Gear Pump |
| 7 | Hyd. Valve | Mono Block directional Valves |
| 8 | Safety | Overload Protection Valve |



"Durable & Robust Built"

MULTI FOG MACHINE



Portable Handy Model



Super Deluxe Model



Deluxe Model

| S. No. | Description | Details |
|--------|------------------------|--|
| 1 | Insecticide Output | 15 to 40 Litters of oil base formulation per hour. |
| 2 | Type | Thermal Aerosol Fogger |
| 3 | Heating Principle | Pulse jet engine-80 pulses lper second |
| 4 | Fog Particle Size | Controllable from 0.5 to 75 Microns |
| 5 | Fog Type | Flameless, Low temperature |
| 6 | Fuel | Pure Petrol |
| | | Super Deluxe |
| 7 | Fuel Tank Capacity | 4 Litter |
| 8 | Solution Tank Capacity | 35Litter |
| 9 | Starter | Fix Battery Cells/ Self Starter |

"Operation with Protection"

Sewer Jetting Cum Suction Machine



Refuse Compactor



Gully Pit Emptier



Dumper Placer



Rodding Machine



Sewer Cleaning Machine (Power Bucket Type)



Super Sucker



Container



Mobile Toilet



McRAYGOR