

KRE

ISO 9001-2008 Company

WATER TREATMENT PLANT

Indian
Patent
Pending

A stand alone type of machine specially designed and manufactured to biophysically treat wash water from car/bus wash activity manual or automatic car/bus wash system.

- ▶ No recurring consumption of chemical products.
- ▶ No carcinogenic sludge is produced (produced in the chemical- physical type purification system).
- ▶ Since no chemicals are used the problem of maintaining correct chemical balances, checking their levels and cost of chemicals are avoided.
- ▶ Zero discharge as water is recycled.

The **KRE** policy is one of constant product development. The company therefore reserves the right to amend the design of equipment whenever necessary without notice.



WATER TREATMENT PLANT

The system has been especially designed and manufactured to **biophysically** (without use of chemicals) treat **waste wash water** coming from car/bus washing activity being carried out either manually / or by Automatic Vehicle Washing Machine.

In order to preserve the quality of the water sent back for reuse, air is blown into the storage tank of water to be treated and that of treated water - **to prevent set in of anaerobic process that creates degradation phenomena with the formation of bad and unpleasant odors.**

(This will depend on the organic matter found in the Influent and may not be essentially required).

The quartzite filtering column and following activated carbon adsorption columns complete the purification process of the wash water. The quartzite-filtering phase removes any sedimentable or suspended matters from the water that escaped the previous treatment phases. The activated carbon adsorption section eliminates the residual organic matters such as oils, detergents and solvents. **The plant is not designed to deal with substantial quantities of free oil.** The water, following the aforesaid biophysical treatment, is suitable to be sent back for reuse for washing or can be thrown in drains as it will meet the limits specified by local pollution control committee.

TREATMENT CYCLE

The treatment cycle consists of:

- Sedimentation
- Oil separation
- Biological oxidation (wherever required)
- Purification systems
 - i) Quartz filtering
 - ii) Filtering through adsorption material
- Treated Water Tank
- Aeration
- Recycling the treated water.

are manufacturers of -

- Automatic Car Wash System
- Touch Free Drying System
- Under chassis wash system
- Engine wash system
- Automatic Bus Wash system
 - 3 Brush M/c
 - 2 Brush M/c
 - 2 Brush M/c with oscillating blasters.
 - Under Chassis Wash systems.
- 2 Wheeler Washing M/c's



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