

Ion Exchange Waterleau

Greater water demands and the increasing problems of environmental pollution as well as of industrial and municipal waste disposal call for an integrated approach of total environment management. Ion Exchange Waterleau Ltd, a JV of Ion Exchange (India) Ltd and the Waterleau Group, Belgium, offers a complete portfolio of advanced environmental solutions and services for industrial, infrastructure and municipal applications. Technology solutions encompass water, liquid & gaseous effluents, solid waste & bio-solids and renewable energy, while services include consultancy, turnkey contracting, O&M and BOOT projects.

Wastewater treatment & recycle: Advanced aerobic technology combines advantages of conventional and sequencing batch reactor systems and, with autonomous monitoring and controlling system, treated water is continuously of highest quality, allowing for safe effluent discharge and stable process performance. No external clarifiers, sludge rakers, recycle pumps/screws/piping are needed and reactor volume is always used for 100%.

Anaerobic technologies include UASB (upflow anaerobic sludge blanket), with high removal efficiency (70-90%) of organic matter, particularly suited to treat

highly concentrated waste waters such as from brewery, distillery, tannery, paper, fermentation and pharma industries.

Wastewater recycle technologies include advanced membrane processes such as the membrane bio-reactor which produces an effluent that is extremely pure and appropriate for immediate reuse, the fluidised media reactor and packaged sewage treatment systems.

Waste & bio-solids treatment: Indirect convective drying technology is the safest way to dry bio-solids due to the very low oxygen vapour atmosphere in the dryer. We offer evaporation capacities ranging from 300 kg/h to 14000 kg/h. A complete range of combustion technologies are offered for the ultimate treatment and thermal valorisation of solid, liquid and pasty wastes of industrial sludges and slurries.

Contact: Ion Exchange Waterleau Ltd. Tel: 022-27626831/2/3/4; Fax: 022-27626839; E-mail: iewl@ionexchange.co.in