Applications of LIMY for hospitals

Electrolyzed water is produced by electrolysis of dilute sodium chloride solutions in an electrolysis chamber, divided by a diaphragm, which separates the anode and the cathode. During electrolysis disinfectant (DESY) is generated at the anode and highly alkaline solution is generated at the cathode. The alkaline pH of cathode solution (LIMY) is due to the presence of NaOH. LIMY has wide range of applications:

- **Hospital oven, Gas burners, Chimneys and drain cleaner**: Most of the kitchen equipment's become dirty because of deposition of fat and grease, similarly, most pipes get clogged due to accumulation of combination of fats and grease. LIMY that contain sodium hydroxide convert the fats to soap, which dissolves in water.
- **pH control**
- **Water demineralisation**: Regeneration of ion exchangers
- **Drinking water production**: In drinking water treatment, LIMY can be used instead of powdered alkalis such as lime or soda ash, because the systems for adding sodium hydroxide are less complicated and require less maintenance. The chemical can also be used in place of lime to soften water by removing carbonate and noncarbonate hardness. Sodium hydroxide can also partially or fully substitute for the soda ash requirement.