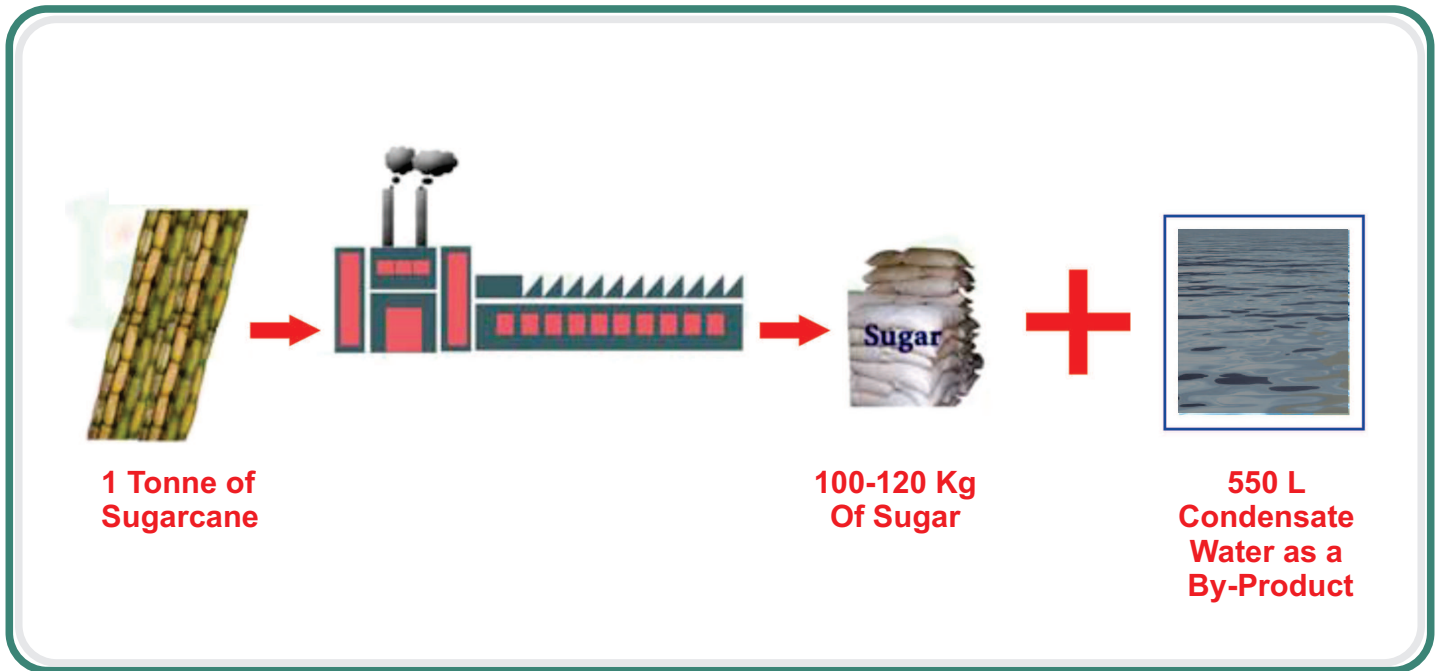
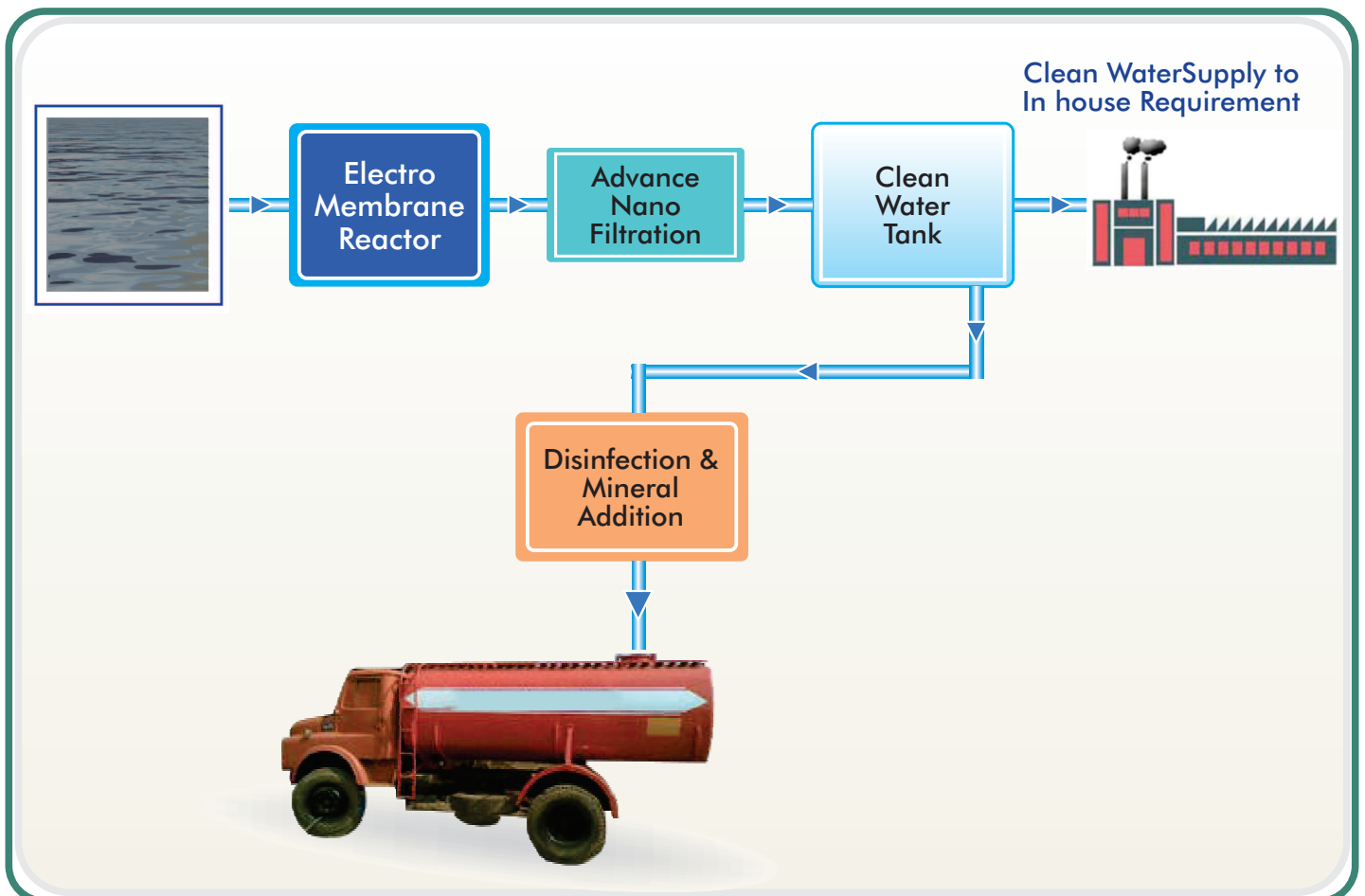


Sugar Industry Potential Source for Clean Water



Utopia Condensate Water Purification System



Water Quality report

Before Treatment-

Sr.No.	Particulate	Concentration	Unit
1	COD	1200	Mg/L
2	TDS	400	Mg/L
3	Chloride	20	Mg/L
4	Hardness	90	Mg/L
5	Silica	5	Mg/L
6	pH	6.3	-
7	Conductivity	650	$\mu\text{s/cm}$



After Treatment-



Sr.No.	Particulate	Concentration	Bottle Water	Unit
1	COD	<5	<5	Mg/L
2	TDS	70-90	70-90	Mg/L
3	Chloride	30-40	30-40	Mg/L
4	Hardness	<3	<5	Mg/L
5	Silica	<0.05	<0.05	Mg/L
6	pH	7.5	5-6.0	-
7	Conductivity	100-120	100-120	$\mu\text{s/cm}$

Utopia Advance Nano Technology Key of Purify

Water is Underestimated By product of Sugar Industry, which increase in Water Scarcity and Drought Situation. Water becomes major issue through out globe. So it is necessary to focus on Water in Sugar cane. To use the water coming from Sugar Industry it required an Advanced Technology to Purify Sugar Industry Waste Water.

Utopia Membranes Pvt. Ltd. Offers a Unique Cost effective Technology to make the Sugar Industry water usable for Potable and Industrial Use. It is only possible because of Advanced Nano Technology. Utopia Advanced Nano Technology for Sugar Industry Water Purification is based on Multiple Process Train. This Process Train consists of Utopia Electro Membrane Reactor (EMR) Technology, Advanced Nano Filtration Unit, utopia Electroxx Online Disinfection Unit and Mineral addition System. This Advanced Technology treat Sugar Industry water to pure Drinkable Water Quality, Consistency of Performance , Easy operation and Low Cost Treatment make Utopia System a Promising solution for Purification

Case of Water Production in 2650 TCD Factory

Sr.No.	Particulate	Quantity
1	Sugar Factory Crushing Capacity	2650 Tons/Day (110KLtr/Hr)
2	Condensate Water Generation	60.5 M3 /Hr (1452 M3/Day)
3	Process Water Requirement	30 M3/Hr
4	Excess Water from Sugar Factory	30.5 M3/Hr (726 M3/Day)
5	Purified Water for Drinking / Potable use	580 M3/Day

Up to 6 lakhs Liters per Day Water Generated with Utopia Purification System Which Serves the Purpose of 6000 no. of Peoples per day (100 Liter/Day/Person)

Benefits to Sugar Industry with Utopia Water Purification System

- Overall Saving With Improvement in Performance and Efficiency of Boiler is up to 18 Lakhs/year in 2650 Tonnes Crushing per Day (TCD) Sugar Factory.
- Reduction in operation and Maintenance cost of Boiler and Its Auxiliaries like Turbine, Nozzles, Condensers etc..
- No Environmental Damage due to Waste water Generated from Sugar Industry and DM plant.
- Saving of Water because of Reduced Blow Down with improvement in Boiler make up water Quality and Consistent Water Quality.
- Saving of Waste Water Treatment cost.
- Reduction in Corrosion Losses and Losses related to Pitting and Tube Damage.
- Saving in Boiler Chemical Consumption because of Improved Water Quality.
- Reduction of Load on Natural Water Sources with Self Sufficient Sugar Factory

Advantages with Utopia

- Get Clean Drinkable Water with World wide Patented Technology.
- Low Operating Cost
- High Reliable Long Life System
- 5 Years on Site Replacement Warranty
- Small Compact Foot Print
- Fully Automatic PLC Operation with GSM Connectivity
- No Skillful Manpower Required

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