



EMERGY
EMERGY ENVIRO PRIVATE LIMITED
(SINE - IIT Bombay Company)

NG-SEPCLEAN

(IIT BOMBAY IP)

(SafeSan)

Next Generation Septic Tank

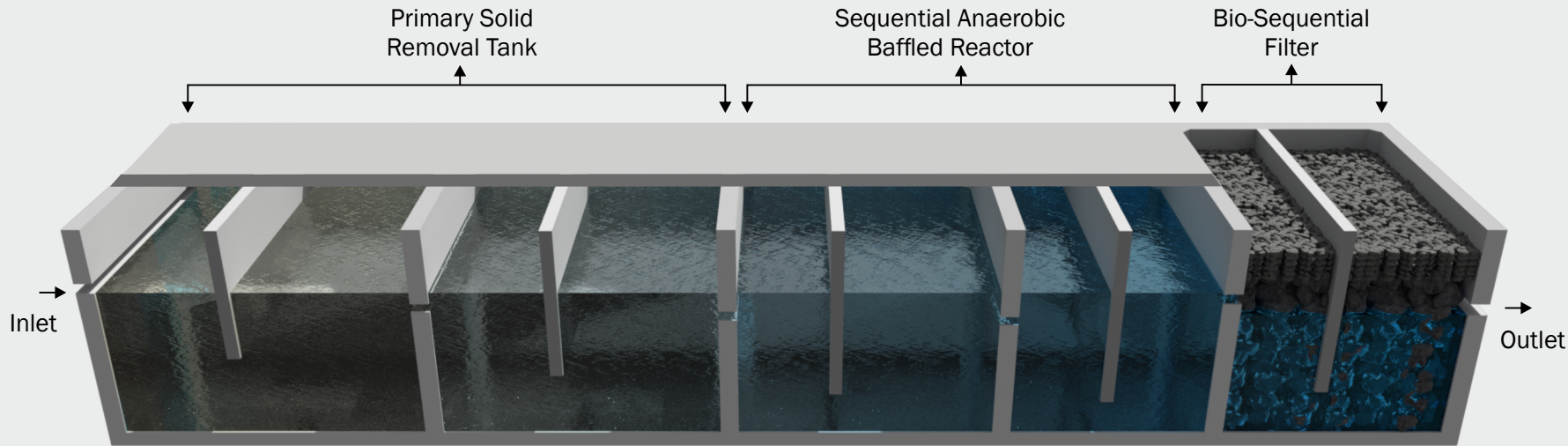


**“WE FORGET THAT THE WATER CYCLE
AND LIFE CYCLE ARE ONE”**

NG-SEPCLEAN or the Next-generation septic tank is a breakthrough in septic tank design that has come after 30 years of formulation of BIS code, 1985 (septic tank design). The system has 30-40% improved performance compared to the conventional systems.



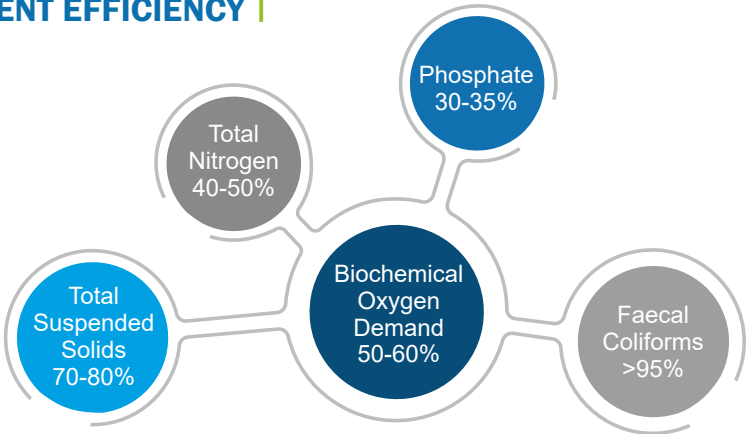
NG-SEPCLEAN has been enlisted in the innovative product list of Ministry of Drinking Water & Sanitation.



WORKING PRINCIPLE |

NG-SEPCLEAN works on the principle of discrete settling and flocculation hindered settling, that leads to partial treatment or removal of suspended solids in the settler unit. Complete treatment of wastewater takes place in the anaerobic treatment unit for further removal of organics and suspended solids. Finally, before discharge the treated water is disinfected using sodium hypochlorite dosing to remove faecal coliform present in the water.

TREATMENT EFFICIENCY |



FEATURES |

Digestion of Settled Sludge

Lesser Cleaning Frequency











High Efficiency for Suspended Solid Removal

Higher Organic Matter Removal

Less Space Requirement

Amenable to Further Treatment and Reuse

ADVANTAGES OF NG SEPCLEAN |

	CONVENTIONAL SEPTIC TANK	NG-SEPCLEAN
 Cost	Low	Low
 Energy	Energy needed for sludge suction	Energy requirement only biannually
 Shock Load	Can not bear shock load	Bears Shock Load
 Removal of Settled Sludge	Frequent	Less frequent
 Load on STP/ Creek/ Nallah	High	Reduced load
 Silting	High	Reduced silting
 Topographical Location	Flat areas or less slopes, Buildings, Households, Rural, Slum	Households, Warehouses, Communities, Slums, Hilly, Plain & Rural areas
 Land Requirement	Comparatively high	Less land needed
 Efficiency of TSS Removal	40 - 60%	75 - 80%
 Disinfection	No disinfection	Yes



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Exclusive Associate

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