

(a) Stand-alone Plantation White Sugar Factories

Proposed norms of effluent generation by Standalone Plantation White Sugar Factories

Parameters	Short Term	Long Term
pH	5.5-8.5	5.5-8.5
TSS (mg/liter)	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
BOD (mg/liter), max BOD (3days at 27 deg.C (mg/liter)	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
Oil & Grease, mg/liter, max	10	10
Sulphate, mg/liter, max	250	200
TDS (mg/liter), max	2100	1900
Final treated effluent discharge limit, max	180 liter/ton of cane crushed	160 liter/ton of cane crushed
Emissions from stack, mg/nm ³ , max	150	150
Fresh water intake for sugar plant	50 liter/ton of cane	30 liter/ton of cane

(b) Plantation White Sugar Factories having co-generation (carrying out power export)

Parameters	Short Term	Long Term
pH	5.5-8.5	5.5-8.5
TSS (mg/liter)	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
BOD (mg/liter), max BOD (3days at 27 deg.C (mg/liter)	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
Oil & Grease, mg/liter, max	10	10
Sulphate, mg/liter, max	250	100
TDS (mg/liter), max	2100	1900
Final treated effluent discharge limit, max	225 liter/ton of cane crushed	200 liter/ton of cane crushed
Emissions from stack, mg/nm ³ , max	150	150
Fresh water intake for sugar plant	75liter/ton of cane	45 liter/ton of cane

(C) Stand-alone Backend Refined Sugar Factories

Parameters	Short Term	Long Term
pH	5.5-8.5	5.5-8.5
TSS (mg/liter)	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
BOD (mg/liter), max	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
BOD (3days at 27 deg.C (mg/liter)		
Oil & Grease, mg/liter, max	10	10
Chloride, mg/liter, max	75	50
TDS (mg/liter), max	2100	1900
Final treated effluent discharge limit, max	200 liter/ton of cane crushed	180 liter/ton of cane crushed
Emissions from stack, mg/nm ³ , max	150	150
Fresh water intake for sugar plant including steam & power generation units, max	70 liter/ton of cane crushed	50 liter/ton of cane crushed

(D) Backend Refined Sugar Factories with Co-generation

Parameters	Short Term	Long Term
pH	5.5-8.5	5.5-8.5
TSS (mg/liter)	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
BOD (mg/liter), max	30 (for disposal in surface waters or land)	30 (for disposal in surface waters or land)
BOD (3days at 27 deg.C (mg/liter)		
Oil & Grease, mg/liter, max	10	10
Chloride, mg/liter, max	75	50
TDS (mg/liter), max	2100	1900
Final treated effluent discharge limit, max	240 liter/ton of cane crushed	225 liter/ton of cane crushed
Emissions from stack, mg/nm ³ , max	150	150
Fresh water intake for sugar plant including steam & power generation units, max	100 liter/ton of cane crushed	75 liter/ton of cane crushed