

Waste water treatment & Recycle

Treatment

TKM has an efficient wastewater treatment plant, which effectively treats both the industrial & domestic wastewater. The wastewater is treated by the series of physical, chemical and biological treatment process, to meet a level upto internal regulatory standards which are more stringer than KSPCB regulations.

Analysis

Analysis of waste water is being carried out in the in-house laboratory regularly. Treated effluent is being used for fish pond to ensure the treatment efficiency.

Recycling

Treated waste water is being used for Gardening purposes & Toilet flushing.



Waste water treatment plant

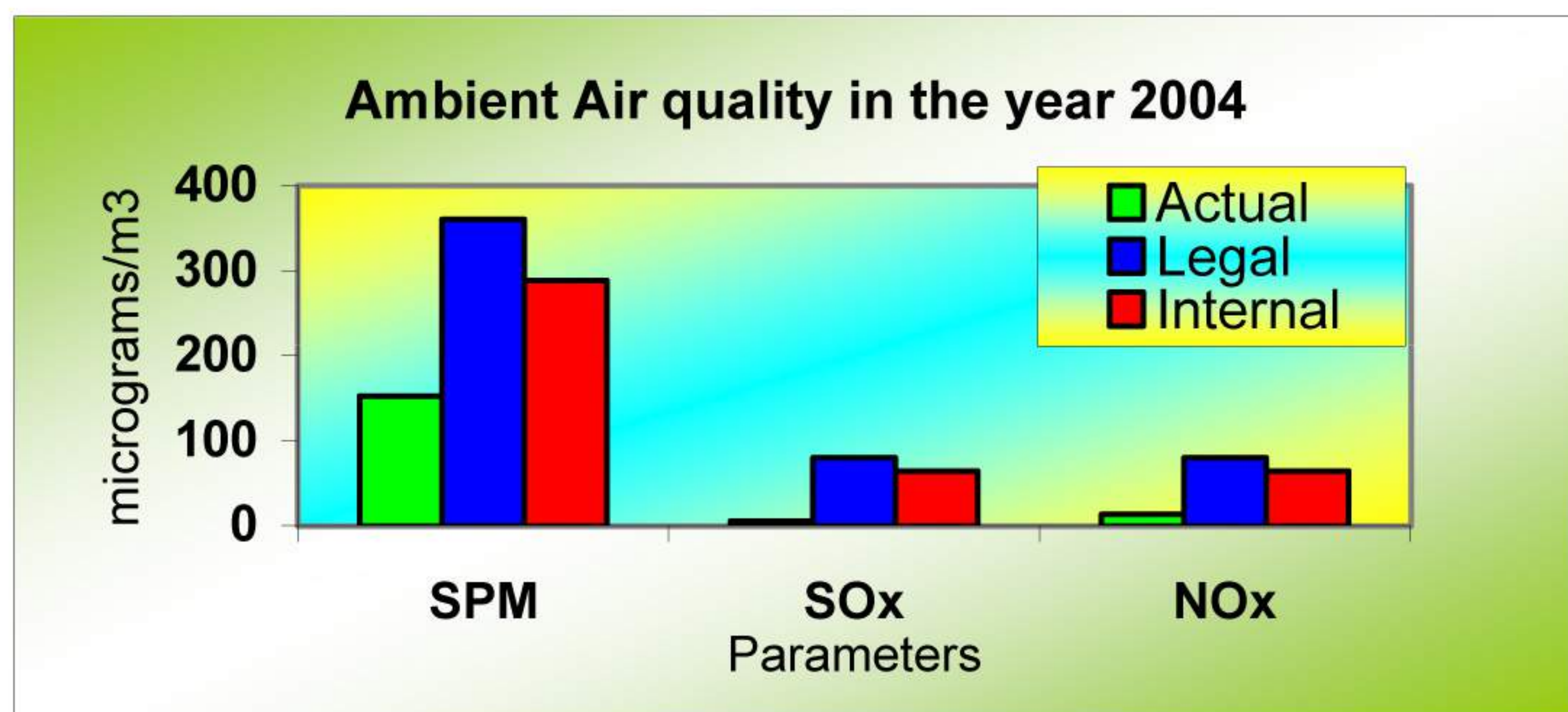
Fish pond for Bio assay test



Waste water Treatment plant laboratory.

Waste water treatment					
(Conforming to The Water (Prevention and Control of Pollution) Act)					
Parameter	standards		Actual Measurement		
	Internal	Legal	Maximum	Minimum	Average
pH	5.8-8.6	6.5-8.5	7.2	6.1	6.4
COD	200	250	34	16	21
BOD	25	30	10.4	3	6.72
SS	80	100	5	2.5	3.36
Oil & Grease	7	10	0	0	0
Heavy Metals like Lead, Arsenic are negligible and undetectable					
All figures are shown in mg/l, except for pH.					

Air quality Monitoring



Air emissions from all the sources are monitored regularly & the trend of air emissions is given the Chart above. Ambient air quality monitoring & Noise monitoring are carried out to ensure the legal compliances.