

Appendix C

Action and Limit Levels

Action / Limit Levels for Air Quality

Parameters	Action Level	Limit Level
24-hour TSP Level in $\mu\text{g}/\text{m}^3$	¹ For baseline level $\leq 200 \mu\text{g}/\text{m}^3$, Action level = $(\text{baseline level} * 1.3 + \text{Limit level})/2$; For baseline level $> 200 \mu\text{g}/\text{m}^3$ Action level = Limit level	260 $\mu\text{g}/\text{m}^3$
1-hour TSP Level in $\mu\text{g}/\text{m}^3$	² For baseline level $\leq 384 \mu\text{g}/\text{m}^3$, Action level = $(\text{baseline level} * 1.3 + \text{Limit level})/2$; For baseline level $> 384 \mu\text{g}/\text{m}^3$, Action level = Limit level	500 $\mu\text{g}/\text{m}^3$

Notes:

1. The Action Level for 24-hour TSP Level:

a) $\text{AMS } 2 = (71.1 * 1.3 + 260) / 2 = 176 \mu\text{g}/\text{m}^3$; b) $\text{AMS } 3\text{C} = (56.9 * 1.3 + 260) / 2 = 167 \mu\text{g}/\text{m}^3$;
 c) $\text{AMS } 6 = (66.4 * 1.3 + 260) / 2 = 173 \mu\text{g}/\text{m}^3$; d) $\text{AMS } 7\text{B} = (82.3 * 1.3 + 260) / 2 = 183 \mu\text{g}/\text{m}^3$;

2. The Action Level for 1-hour TSP Level:

a) $\text{AMS } 2 = (191.5 * 1.3 + 500) / 2 = 374 \mu\text{g}/\text{m}^3$; b) $\text{AMS } 3\text{C} = (18.2 * 1.3 + 500) / 2 = 368 \mu\text{g}/\text{m}^3$;
 c) $\text{AMS } 6 = (169.2 * 1.3 + 500) / 2 = 360 \mu\text{g}/\text{m}^3$; d) $\text{AMS } 7\text{B} = (184.2 * 1.3 + 500) / 2 = 370 \mu\text{g}/\text{m}^3$;

Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700 - 1900 hours on normal weekdays	When one documented complaint is received	75 dB(A) *

Note : If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

* Reduce to 70 dB(A) for schools and 65 dB(A) during school examination periods.