

### Appendix 3. Proposed PM<sub>2.5</sub> reduction measures

The following are examples of some of the measures that can be implemented to specifically reduce PM<sub>2.5</sub> emissions.

Source type	Measure
Mobile source measures	<ul style="list-style-type: none"> <li>• On-road diesel engine retrofits for public service and heavy goods vehicles using Euro standards</li> <li>• Non-road mobile machinery diesel engine retrofit, rebuild/replace with diesel particulate filter (DPF); this can be achieved through effective enforcement of the NRMM LEZ</li> <li>• Anti-idling programmes for HGV, locomotive, and other mobile sources;</li> <li>• Transportation control measures including transportation demand management and transportation systems management strategies;</li> <li>• Programmes to reduce emissions or accelerate retirement of high emitting vehicles;</li> <li>• Emissions testing and repair/maintenance programs for on-road vehicles;</li> <li>• Emissions testing and repair/maintenance programs for non-road heavy duty vehicles and equipment;</li> <li>• Programmes to expand use of cleaner burning fuels - use of sulphur-free diesel, biofuels and alternative fuels such as compressed natural gas.</li> </ul>
Stationary source measures	<ul style="list-style-type: none"> <li>• Process change measures (modification to raw materials, process technologies and operations, and the use of cleaner fuels)</li> <li>• Process management (improvement to operations such as cleaning up dust spillages, preventing dust escaping to ambient air and introducing more efficient combustion) - measures to reduce fugitive dust from industrial sites;</li> <li>• Stationary diesel engine retrofit, rebuild or replacement, with particle filter;</li> <li>• New or upgraded emission control requirements for direct PM<sub>2.5</sub> emissions at stationary sources (e.g. electrostatic precipitators, fabric filters, scrubbers and cyclones; improved monitoring methods);</li> <li>• New or upgraded emission controls for PM<sub>2.5</sub> precursors at stationary sources (e.g. wet/dry scrubbers);</li> <li>• Energy efficiency measures to reduce fuel consumption.</li> </ul>
Area source measures	<ul style="list-style-type: none"> <li>• Smoke management programmes to reduce domestic coal use;</li> <li>• Reduce emissions from woodstoves and fireplaces;</li> <li>• Regulate commercial cooking operations;</li> <li>• Further reduce solvent usage or solvent substitution.</li> </ul>