

## List of Tables

<b>Table No.</b>	<b>Title</b>	<b>Page No.</b>
Table 2.1	Mining activities and the types of air pollution	6
Table 2.2	Quantity of total dust generated from drill hole for coal, limestone and iron ore for different drill hole diameters	8
Table 2.3	National Ambient Air Quality Standards	14
Table 2.4	Classification of SPM in mine environment	17
Table 3.1	Dust sources with their type and dimension	51
Table 3.2	Emission Factors of Different Mining Activities	53
Table 3.3	Source strength of dust sources	54
Table 3.4	List of Surface Meteorological Parameters considered for simulation with their unit	56-57
Table 3.5	Predicted daily average concentration of PM <sub>10</sub> at the four receptors in $\mu\text{g}/\text{m}^3$ for January 2013	94
Table 3.6	Predicted daily average concentration of PM <sub>10</sub> at the four receptors in $\mu\text{g}/\text{m}^3$ for May 2013	95-96
Table 3.7	Predicted monthly average concentration of PM <sub>10</sub> at the four receptors in $\mu\text{g}/\text{m}^3$ for January and May of 2013	96
Table 3.8	Measured concentration of PM <sub>10</sub> at different receptors (A1, A2, A3, A4) in the month of January 2013 for 24 hr averaging time period in $\mu\text{g}/\text{m}^3$	97-98
Table 3.9	Measured concentration of PM <sub>10</sub> at different receptors in the month of May 2013 for 24 hr averaging time in $\mu\text{g}/\text{m}^3$	98-99
Table 3.10	Measured concentration of PM <sub>10</sub> at different receptors in the month of January and May 2013 for monthly averaging time period in $\mu\text{g}/\text{m}^3$	99
Table 3.11	Location of Fine Dust Samplers	99
Table 3.12	Model performance statistics for simulated PM <sub>10</sub> Concentrations at daily average at four receptors for January 2013	102
Table 3.13	Model performance statistics for simulated PM <sub>10</sub> Concentrations at monthly average at four receptors for January 2013	104
Table 3.14	Model performance statistics for simulated PM <sub>10</sub> Concentrations at daily average at four receptors for May 2013	105

Table 3.15	Model performance statistics for simulated PM <sub>10</sub> Concentrations at monthly average at four receptors for May 2013	107
Table 4.1	Description of dust sources for study on dispersion of pollutant from different depth of mine 'B'	124
Table 4.2	Description of dust sources for study on dispersion of pollutant from different height of overburden dump of mine 'B'	125
Table 4.3	Description of dust sources for study on dispersion of dust from different lengths of haul road of mine 'B'	126