

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **M/s Winsome Yarns Ltd., Barwala Road, DeraBassi.**

| Month                  | RSPM<br>µg/m <sup>3</sup> |            |           |           |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|------------------------|---------------------------|------------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                        | 2013                      | 2014       | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January                | 136                       | 110        | 115       | 110       | 93   | 28                                   | 17        | 14        | 14        | 11   | 8                                    | 6        | 5        | 5        | 6    |
| February               | 149                       | 97         | 89        | 94        |      | 19                                   | 12        | 14        | 13        |      | 7                                    | 4        | 4        | 5        |      |
| March                  | 124                       | 97         | 82        | 94        |      | 16                                   | 13        | 12        | 12        |      | 7                                    | 5        | 4        | 5        |      |
| April                  | 136                       | 107        | 90        | 100       |      | 23                                   | 12        | 13        | 12        |      | 9                                    | 5        | 4        | 5        |      |
| May                    | 130                       | 108        | 91        | 106       |      | 23                                   | 14        | 13        | 12        |      | 9                                    | 6        | 4        | 5        |      |
| June                   | 96                        | 98         | 94        | 104       |      | 18                                   | 12        | 12        | 13        |      | 6                                    | 5        | 4        | 5        |      |
| July                   | 88                        | 94         | 86        | 90        |      | 16                                   | 14        | 14        | 12        |      | 6                                    | 5        | 4        | 5        |      |
| August                 | 108                       | 110        | 78        | 76        |      | 14                                   | 15        | 18        | 11        |      | 5                                    | 5        | 5        | 5        |      |
| September              | 148                       | 98         | 79        | 74        |      | 17                                   | 12        | 19        | 13        |      | 6                                    | 5        | 6        | 5        |      |
| October                | 146                       | 117        | 88        | 105       |      | 18                                   | 19        | 18        | 14        |      | 5                                    | 7        | 6        | 5        |      |
| November               | 147                       | 119        | 113       | 116       |      | 18                                   | 19        | 14        | 12        |      | 7                                    | 6        | 4        | 6        |      |
| December               | 125                       | 108        | 106       | 93        |      | 20                                   | 15        | 13        | 12        |      | 6                                    | 4        | 5        | 6        |      |
| <b>Annual<br/>Avg.</b> | <b>128</b>                | <b>105</b> | <b>93</b> | <b>97</b> |      | <b>19</b>                            | <b>15</b> | <b>15</b> | <b>13</b> |      | <b>7</b>                             | <b>5</b> | <b>5</b> | <b>5</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **M/s Dera Baba Nanak (C-Pyte).**

| Month              | RSPM<br>µg/m <sup>3</sup> |           |           |           |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 71                        | 74        | 71        | 126       | 113  | 13                                   | 13        | 13        | 18        | 14   | 7                                    | 7        | 7        | 9        | 8    |
| February           | 70                        | 68        | 68        | 120       |      | 12                                   | 12        | 13        | 18        |      | 7                                    | 7        | 7        | 8        |      |
| March              | 71                        | 66        | 61        | 125       |      | 12                                   | 12        | 12        | 18        |      | 7                                    | 7        | 7        | 8        |      |
| April              | 98                        | 74        | 82        | 136       |      | 13                                   | 13        | 14        | 15        |      | 8                                    | 8        | 8        | 6        |      |
| May                | 83                        | 84        | 84        | -         |      | 14                                   | 15        | 15        | -         |      | 9                                    | 8        | 8        | -        |      |
| June               | 73                        | 71        | 73        | 82        |      | 12                                   | 13        | 14        | 13        |      | 8                                    | 7        | 7        | 7        |      |
| July               | 62                        | 64        | 71        | 45        |      | 12                                   | 12        | 13        | 12        |      | 6                                    | 6        | 6        | 7        |      |
| August             | 60                        | 55        | 53        | 56        |      | 12                                   | 12        | 11        | 11        |      | 6                                    | 6        | 7        | 6        |      |
| September          | 63                        | 58        | 82        | 56        |      | 13                                   | 12        | 13        | 12        |      | 7                                    | 7        | 7        | 7        |      |
| October            | 77                        | 81        | 82        | 78        |      | 13                                   | 12        | 13        | 14        |      | 7                                    | 7        | 7        | 9        |      |
| November           | 85                        | 65        | 89        | 109       |      | 14                                   | 13        | 14        | 15        |      | 9                                    | 7        | 8        | 7        |      |
| December           | 92                        | 69        | 101       | 113       |      | 14                                   | 12        | 14        | 14        |      | 9                                    | 6        | 8        | 8        |      |
| <b>Annual Avg.</b> | <b>75</b>                 | <b>69</b> | <b>76</b> | <b>95</b> |      | <b>13</b>                            | <b>13</b> | <b>13</b> | <b>15</b> |      | <b>8</b>                             | <b>7</b> | <b>7</b> | <b>7</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **M/s PCPL, DeraBassi.**

| Month                  | RSPM<br>µg/m <sup>3</sup> |            |            |           |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|------------------------|---------------------------|------------|------------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                        | 2013                      | 2014       | 2015       | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January                | 149                       | 105        | 126        | 108       | 91   | 32                                   | 18        | 17        | 12        | 12   | 10                                   | 8        | 6        | 5        | 5    |
| February               | 126                       | 121        | 101        | 106       |      | 20                                   | 13        | 15        | 13        |      | 7                                    | 5        | 5        | 5        |      |
| March                  | 101                       | 113        | 96         | 105       |      | 18                                   | 16        | 15        | 12        |      | 8                                    | 5        | 6        | 5        |      |
| April                  | 175                       | 125        | 92         | 111       |      | 18                                   | 16        | 14        | 13        |      | 9                                    | 6        | 6        | 6        |      |
| May                    | 125                       | 109        | 104        | 105       |      | 22                                   | 14        | 19        | 12        |      | 9                                    | 5        | 6        | 5        |      |
| June                   | 103                       | 107        | 91         | 91        |      | 25                                   | 13        | 20        | 13        |      | 6                                    | 5        | 5        | 5        |      |
| July                   | 91                        | 109        | 100        | 93        |      | 18                                   | 18        | 18        | 14        |      | 6                                    | 5        | 5        | 6        |      |
| August                 | 108                       | 156        | 156        | 82        |      | 16                                   | 18        | 18        | 12        |      | 5                                    | 7        | 7        | 5        |      |
| September              | 139                       | 162        | 75         | 76        |      | 23                                   | 16        | 14        | 11        |      | 6                                    | 6        | 5        | 5        |      |
| October                | 183                       | 125        | 87         | 102       |      | 26                                   | 18        | 12        | 12        |      | 9                                    | 7        | 5        | 6        |      |
| November               | 142                       | 125        | 116        | 101       |      | 27                                   | 20        | 14        | 11        |      | 11                                   | 6        | 5        | 6        |      |
| December               | 122                       | 113        | 109        | 96        |      | 21                                   | 14        | 13        | 11        |      | 6                                    | 5        | 5        | 6        |      |
| <b>Annual<br/>Avg.</b> | <b>130</b>                | <b>123</b> | <b>104</b> | <b>98</b> |      | <b>23</b>                            | <b>16</b> | <b>16</b> | <b>12</b> |      | <b>8</b>                             | <b>6</b> | <b>6</b> | <b>5</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: M/s Raj Steels, Mandi Gobindgarh.

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 270                       | 129        | 141        | 129        | 110  | 32                                   | 35        | 34        | 30        | 32   | 5                                    | 7        | 6        | 6        | 6    |
| February           | 180                       | 104        | 144        | 115        |      | 27                                   | 17        | 35        | 26        |      | 5                                    | 7        | 6        | 6        |      |
| March              | 171                       | 110        | 125        | 120        |      | 33                                   | 33        | 35        | 31        |      | 6                                    | 6        | 6        | 6        |      |
| April              | 159                       | 149        | 132        | 129        |      | 31                                   | 37        | 36        | 37        |      | 7                                    | 6        | 6        | 7        |      |
| May                | 117                       | 141        | 117        | 116        |      | 27                                   | 35        | 35        | 38        |      | 8                                    | 6        | 6        | 6        |      |
| June               | 110                       | 164        | 109        | 126        |      | 34                                   | 37        | 35        | 37        |      | 6                                    | 8        | 6        | 6        |      |
| July               | 107                       | 134        | 98         | 133        |      | 37                                   | 37        | 37        | 37        |      | 6                                    | 7        | 6        | 7        |      |
| August             | 103                       | 120        | 97         | 99         |      | 30                                   | 35        | 31        | 38        |      | 7                                    | 7        | 6        | 6        |      |
| September          | 116                       | 110        | 106        | 107        |      | 32                                   | 36        | 33        | 34        |      | 7                                    | 6        | 5        | 6        |      |
| October            | 186                       | 125        | 112        | 134        |      | 37                                   | 38        | 36        | 38        |      | 8                                    | 8        | 6        | 7        |      |
| November           | 144                       | 100        | 119        | 163        |      | 32                                   | 33        | 38        | 36        |      | 6                                    | 7        | 6        | 7        |      |
| December           | 127                       | 106        | 127        | 117        |      | 44                                   | 33        | 31        | 26        |      | 7                                    | 6        | 7        | 6        |      |
| <b>Annual Avg.</b> | <b>149</b>                | <b>124</b> | <b>119</b> | <b>124</b> |      | <b>33</b>                            | <b>34</b> | <b>35</b> | <b>34</b> |      | <b>7</b>                             | <b>7</b> | <b>6</b> | <b>6</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **M/s United Steels, Mandi Gobindgarh.**

| Month                  | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|------------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                        | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January                | 297                       | 171        | 153        | 118        | 101  | 39                                   | 37        | 35        | 28        | 33   | 6                                    | 8        | 7        | 7        | 6    |
| February               | 271                       | 160        | 166        | 122        |      | 31                                   | 37        | 38        | 27        |      | 5                                    | 6        | 8        | 7        |      |
| March                  | 253                       | 168        | 150        | 138        |      | 35                                   | 39        | 39        | 30        |      | 5                                    | 7        | 7        | 7        |      |
| April                  | 230                       | 192        | 152        | 132        |      | 30                                   | 40        | 40        | 38        |      | 7                                    | 8        | 7        | 7        |      |
| May                    | 177                       | 162        | 131        | 117        |      | 29                                   | 38        | 36        | 37        |      | 8                                    | 7        | 6        | 7        |      |
| June                   | 144                       | 169        | 119        | 112        |      | 30                                   | 38        | 36        | 39        |      | 6                                    | 8        | 7        | 6        |      |
| July                   | 154                       | 150        | 115        | 118        |      | 33                                   | 40        | 34        | 37        |      | 7                                    | 8        | 6        | 7        |      |
| August                 | 117                       | 111        | 117        | 117        |      | 33                                   | 35        | 34        | 36        |      | 6                                    | 7        | 6        | 7        |      |
| September              | 146                       | 119        | 108        | 122        |      | 33                                   | 36        | 34        | 35        |      | 7                                    | 7        | 6        | 6        |      |
| October                | 179                       | 121        | 114        | 146        |      | 36                                   | 38        | 38        | 37        |      | 7                                    | 7        | 6        | 7        |      |
| November               | 153                       | 99         | 162        | 154        |      | 32                                   | 32        | 42        | 36        |      | 6                                    | 7        | 7        | 7        |      |
| December               | 145                       | 109        | 138        | 113        |      | 43                                   | 35        | 32        | 32        |      | 7                                    | 7        | 7        | 6        |      |
| <b>Annual<br/>Avg.</b> | <b>189</b>                | <b>144</b> | <b>135</b> | <b>126</b> |      | <b>34</b>                            | <b>37</b> | <b>37</b> | <b>34</b> |      | <b>6</b>                             | <b>7</b> | <b>7</b> | <b>7</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: M/s Modi Oil Mills, Shifted to Modern Automotives in Nov. 2009,

**Mandi Gobindgarh.**

| Month                  | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|------------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                        | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January                | 182                       | 166        | 146        | 131        | 123  | 39                                   | 36        | 35        | 27        | 33   | 6                                    | 8        | 8        | 6        | 6    |
| February               | 146                       | 143        | 159        | 134        |      | 27                                   | 36        | 37        | 26        |      | 5                                    | 7        | 7        | 7        |      |
| March                  | 194                       | 173        | 155        | 126        |      | 35                                   | 37        | 38        | 30        |      | 5                                    | 7        | 8        | 7        |      |
| April                  | 169                       | 155        | 158        | 138        |      | 33                                   | 38        | 39        | 37        |      | 6                                    | 7        | 7        | 7        |      |
| May                    | 166                       | 154        | 125        | 121        |      | 29                                   | 39        | 37        | 37        |      | 8                                    | 7        | 7        | 7        |      |
| June                   | 155                       | 155        | 132        | 120        |      | 30                                   | 37        | 36        | 38        |      | 6                                    | 8        | 7        | 6        |      |
| July                   | 125                       | 139        | 123        | 122        |      | 28                                   | 39        | 34        | 37        |      | 7                                    | 8        | 6        | 6        |      |
| August                 | 106                       | 106        | 127        | 111        |      | 31                                   | 38        | 35        | 34        |      | 6                                    | 7        | 7        | 6        |      |
| September              | 144                       | 121        | 111        | 107        |      | 32                                   | 38        | 33        | 35        |      | 6                                    | 8        | 7        | 6        |      |
| October                | 178                       | 113        | 115        | 137        |      | 37                                   | 35        | 36        | 36        |      | 7                                    | 8        | 7        | 7        |      |
| November               | 132                       | 99         | 142        | 162        |      | 30                                   | 32        | 40        | 36        |      | 6                                    | 7        | 7        | 7        |      |
| December               | 145                       | 110        | 140        | 114        |      | 38                                   | 35        | 34        | 33        |      | 7                                    | 8        | 7        | 6        |      |
| <b>Annual<br/>Avg.</b> | <b>154</b>                | <b>136</b> | <b>136</b> | <b>127</b> |      | <b>32</b>                            | <b>37</b> | <b>36</b> | <b>34</b> |      | <b>6</b>                             | <b>8</b> | <b>7</b> | <b>7</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: M/s NFL, Naya Nangal

| Month              | RSPM<br>µg/m <sup>3</sup> |           |           |           |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 90                        | 79        | 96        | 96        | 95   | 19                                   | 14        | 11        | 12        | 12   | 5                                    | 4        | 5        | 5        | 6    |
| February           | 88                        | 84        | 69        | 78        |      | 17                                   | 6         | 11        | 11        |      | 6                                    | 4        | 4        | 4        |      |
| March              | 96                        | 70        | 64        | 94        |      | 21                                   | 11        | 10        | 11        |      | 7                                    | 4        | 4        | 4        |      |
| April              | 95                        | 86        | 60        | 101       |      | 17                                   | 12        | 11        | 12        |      | 6                                    | 4        | 4        | 5        |      |
| May                | 90                        | 98        | 76        | 97        |      | 16                                   | 11        | 12        | 12        |      | 6                                    | 4        | 4        | 5        |      |
| June               | 80                        | 110       | 89        | 96        |      | 14                                   | 12        | 14        | 12        |      | 4                                    | 5        | 4        | 5        |      |
| July               | 71                        | 84        | 64        | 78        |      | 19                                   | 12        | 10        | 11        |      | 5                                    | 4        | 4        | 5        |      |
| August             | 73                        | 69        | 69        | 82        |      | 11                                   | 11        | 15        | 12        |      | 4                                    | 4        | 4        | 5        |      |
| September          | 82                        | 83        | 61        | 76        |      | 13                                   | 12        | 12        | 12        |      | 4                                    | 5        | 4        | 5        |      |
| October            | 88                        | 113       | 114       | 88        |      | 14                                   | 13        | 13        | 12        |      | 4                                    | 5        | 4        | 6        |      |
| November           | 88                        | 100       | 120       | 100       |      | 15                                   | 16        | 16        | 11        |      | 5                                    | 5        | 5        | 6        |      |
| December           | 90                        | 71        | 127       | 89        |      | 12                                   | 13        | 14        | 12        |      | 5                                    | 4        | 5        | 5        |      |
| <b>Annual Avg.</b> | <b>86</b>                 | <b>87</b> | <b>84</b> | <b>90</b> |      | <b>16</b>                            | <b>12</b> | <b>12</b> | <b>12</b> |      | <b>5</b>                             | <b>4</b> | <b>4</b> | <b>5</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: M/s PACL, Naya Nangal

| Month              | RSPM<br>µg/m <sup>3</sup> |           |           |           |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 91                        | 72        | 95        | 97        | 98   | 17                                   | 16        | 11        | 12        | 12   | 5                                    | 4        | 4        | 5        | 6    |
| February           | 86                        | 97        | 77        | 96        |      | 17                                   | 10        | 11        | 12        |      | 6                                    | 5        | 4        | 5        |      |
| March              | 92                        | 74        | 60        | 95        |      | 23                                   | 11        | 10        | 12        |      | 7                                    | 4        | 4        | 5        |      |
| April              | 96                        | 89        | 70        | 102       |      | 16                                   | 11        | 11        | 12        |      | 10                                   | 4        | 4        | 5        |      |
| May                | 98                        | 81        | 73        | 106       |      | 15                                   | 11        | 12        | 12        |      | 5                                    | 4        | 4        | 5        |      |
| June               | 81                        | 76        | 82        | -         |      | 13                                   | 12        | 13        | -         |      | 4                                    | 4        | 4        | -        |      |
| July               | 71                        | 80        | 58        | 79        |      | 18                                   | 12        | 10        | 12        |      | 5                                    | 5        | 4        | 5        |      |
| August             | 74                        | 76        | 59        | 78        |      | 12                                   | 11        | 10        | 12        |      | 4                                    | 4        | 4        | 5        |      |
| September          | 74                        | 75        | 71        | 74        |      | 12                                   | 12        | 13        | 12        |      | 4                                    | 4        | 5        | 5        |      |
| October            | 90                        | 81        | 88        | 90        |      | 15                                   | 11        | 12        | 12        |      | 4                                    | 4        | 5        | 7        |      |
| November           | 96                        | 103       | 121       | 100       |      | 16                                   | 14        | 15        | 11        |      | 5                                    | 4        | 5        | 6        |      |
| December           | 96                        | 88        | 115       | 88        |      | 13                                   | 11        | 14        | 12        |      | 4                                    | 4        | 5        | 5        |      |
| <b>Annual Avg.</b> | <b>87</b>                 | <b>83</b> | <b>81</b> | <b>91</b> |      | <b>16</b>                            | <b>12</b> | <b>12</b> | <b>12</b> |      | <b>5</b>                             | <b>4</b> | <b>4</b> | <b>5</b> |      |



Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **M/s Milk Plant, Bathinda**

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 126                       | 117        | 111        | 114        | 119  | 28                                   | 18        | 17        | 14        | 12   | 7                                    | 8        | 6        | 5        | 4    |
| February           | 108                       | 146        | 101        | 100        |      | 19                                   | 14        | 15        | 14        |      | 7                                    | 7        | 5        | 6        |      |
| March              | 110                       | 116        | 103        | 103        |      | 15                                   | 19        | 15        | 13        |      | 7                                    | 6        | 5        | 5        |      |
| April              | 129                       | 124        | 123        | 115        |      | 20                                   | 18        | 16        | 14        |      | 7                                    | 7        | 6        | 5        |      |
| May                | 157                       | 117        | 120        | 124        |      | 25                                   | 15        | 17        | 14        |      | 8                                    | 5        | 8        | 5        |      |
| June               | 158                       | 135        | 120        | 121        |      | 21                                   | 17        | 15        | 14        |      | 9                                    | 6        | 6        | 5        |      |
| July               | -                         | 96         | 99         | 151        |      | -                                    | 15        | 13        | 12        |      | -                                    | 5        | 5        | 4        |      |
| August             | -                         | 114        | 80         | 104        |      | -                                    | 19        | 13        | 12        |      | -                                    | 7        | 5        | 4        |      |
| September          | -                         | 121        | 95         | 100        |      | -                                    | 15        | 15        | 12        |      | -                                    | 5        | 5        | 5        |      |
| October            | -                         | 141        | 136        | 117        |      | -                                    | 18        | 15        | 13        |      | -                                    | 8        | 7        | 5        |      |
| November           | -                         | 131        | 125        | 135        |      | -                                    | 22        | 16        | 14        |      | -                                    | 6        | 6        | 5        |      |
| December           | -                         | 119        | 121        | 120        |      | 21                                   | 16        | 14        | 13        |      | -                                    | 6        | 5        | 5        |      |
| <b>Annual Avg.</b> | <b>131</b>                | <b>123</b> | <b>111</b> | <b>117</b> |      | <b>21</b>                            | <b>17</b> | <b>15</b> | <b>13</b> |      | <b>8</b>                             | <b>6</b> | <b>6</b> | <b>5</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: M/s Ceylon Industries/ Kainos, Patiala

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 87                        | 84         | 104        | 110        | 104  | 23                                   | 15        | 15        | 12        | 11   | 8                                    | 6        | 5        | 5        | 5    |
| February           | 97                        | 102        | 97         | 105        |      | 18                                   | 16        | 15        | 13        |      | 7                                    | 5        | 5        | 5        |      |
| March              | 93                        | 101        | 98         | 107        |      | 18                                   | 15        | 15        | 13        |      | 8                                    | 6        | 5        | 5        |      |
| April              | 131                       | 108        | 112        | 108        |      | 25                                   | 14        | 15        | 12        |      | 7                                    | 7        | 5        | 5        |      |
| May                | 115                       | 105        | 117        | 110        |      | 17                                   | 14        | 15        | 14        |      | 6                                    | 6        | 6        | 5        |      |
| June               | 91                        | 94         | 132        | 97         |      | 13                                   | 12        | 15        | 14        |      | 5                                    | 5        | 8        | 5        |      |
| July               | 75                        | 90         | 98         | 105        |      | 17                                   | 12        | 13        | 13        |      | 5                                    | 4        | 5        | 5        |      |
| August             | 93                        | 95         | 94         | 102        |      | 14                                   | 12        | 13        | 12        |      | 5                                    | 5        | 5        | 5        |      |
| September          | 133                       | 92         | 93         | 102        |      | 18                                   | 12        | 15        | 12        |      | 5                                    | 4        | 5        | 5        |      |
| October            | 134                       | 120        | 113        | 112        |      | 19                                   | 15        | 14        | 13        |      | 7                                    | 5        | 5        | 5        |      |
| November           | 136                       | 126        | 133        | 117        |      | 19                                   | 16        | 17        | 13        |      | 6                                    | 5        | 6        | 5        |      |
| December           | 100                       | 122        | 121        | 108        |      | 14                                   | 15        | 14        | 12        |      | 6                                    | 5        | 5        | 5        |      |
| <b>Annual Avg.</b> | <b>107</b>                | <b>103</b> | <b>109</b> | <b>107</b> |      | <b>18</b>                            | <b>14</b> | <b>15</b> | <b>13</b> |      | <b>6</b>                             | <b>5</b> | <b>5</b> | <b>5</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **M/s Fire Brigade Office, Patiala**

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 123                       | 78         | 104        | 106        | 109  | 26                                   | 14        | 15        | 12        | 11   | 8                                    | 7        | 5        | 5        | 5    |
| February           | 112                       | 93         | 99         | 106        |      | 20                                   | 16        | 16        | 13        |      | 8                                    | 6        | 5        | 5        |      |
| March              | 99                        | 106        | 97         | 108        |      | 16                                   | 16        | 15        | 13        |      | 7                                    | 7        | 5        | 5        |      |
| April              | 114                       | 113        | 114        | 105        |      | 18                                   | 14        | 15        | 13        |      | 7                                    | 7        | 5        | 6        |      |
| May                | 99                        | 104        | 119        | 110        |      | 18                                   | 13        | 15        | 12        |      | 6                                    | 6        | 6        | 6        |      |
| June               | 89                        | 83         | 126        | 102        |      | 16                                   | 12        | 15        | 13        |      | 5                                    | 4        | 6        | 5        |      |
| July               | 76                        | 90         | 97         | 107        |      | 17                                   | 12        | 14        | 14        |      | 5                                    | 4        | 5        | 5        |      |
| August             | 96                        | 93         | 91         | 97         |      | 13                                   | 12        | 14        | 12        |      | 5                                    | 5        | 5        | 5        |      |
| September          | 119                       | 84         | 96         | 102        |      | 15                                   | 13        | 13        | 12        |      | 5                                    | 4        | 5        | 5        |      |
| October            | 135                       | 124        | 123        | 116        |      | 21                                   | 14        | 14        | 12        |      | 7                                    | 5        | 5        | 5        |      |
| November           | 140                       | 147        | 145        | 116        |      | 19                                   | 17        | 18        | 13        |      | 7                                    | 6        | 6        | 5        |      |
| December           | 106                       | 123        | 123        | 111        |      | 14                                   | 15        | 13        | 12        |      | 6                                    | 5        | 5        | 5        |      |
| <b>Annual Avg.</b> | <b>109</b>                | <b>103</b> | <b>111</b> | <b>107</b> |      | <b>14</b>                            | <b>14</b> | <b>15</b> | <b>13</b> |      | <b>6</b>                             | <b>6</b> | <b>5</b> | <b>5</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **PWSS/R.O. Jalandhar**

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 162                       | 158        | 142        | 205        | -    | 28                                   | 26        | 25        | 25        | -    | 13                                   | 14        | 14        | 13        | -    |
| February           | 146                       | 139        | 142        | 165        |      | 26                                   | 25        | 28        | 26        |      | 13                                   | 13        | 13        | 14        |      |
| March              | 135                       | 124        | -          | -          |      | 25                                   | 24        | -         | -         |      | 12                                   | 12        | -         | -         |      |
| April              | 162                       | 140        | 142        | -          |      | 25                                   | 25        | 26        | -         |      | 13                                   | 13        | 14        | -         |      |
| May                | 186                       | 152        | 153        | -          |      | 26                                   | 26        | 26        | -         |      | 14                                   | 13        | 13        | -         |      |
| June               | 158                       | 147        | 138        | -          |      | 24                                   | 24        | 24        | -         |      | 12                                   | 13        | 13        | -         |      |
| July               | 143                       | 130        | 121        | -          |      | 24                                   | 23        | 23        | -         |      | 13                                   | 13        | 12        | -         |      |
| August             | 134                       | 124        | 128        | 137        |      | 24                                   | 23        | 24        | 19        |      | 13                                   | 13        | 12        | 11        |      |
| September          | 145                       | 119        | -          | 106        |      | 24                                   | 23        | -         | 19        |      | 13                                   | 12        | -         | 10        |      |
| October            | 153                       | 129        | 129        | 92         |      | 25                                   | 24        | 24        | 20        |      | 14                                   | 13        | 12        | 12        |      |
| November           | 157                       | 124        | 144        | 206        |      | 25                                   | 24        | 26        | 25        |      | 14                                   | 13        | 15        | 14        |      |
| December           | 166                       | 137        | -          | -          |      | 26                                   | 25        | -         | -         |      | 14                                   | 14        | -         | -         |      |
| <b>Annual Avg.</b> | <b>154</b>                | <b>135</b> | <b>138</b> | <b>152</b> |      | <b>25</b>                            | <b>24</b> | <b>25</b> | <b>22</b> |      | <b>13</b>                            | <b>13</b> | <b>13</b> | <b>12</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: H.R /Focal Point, Jalandhar

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 203                       | 172        | 151        | 247        | 302  | 30                                   | 29        | 28        | 27        | 28   | 15                                   | 14        | 14        | 15        | 17   |
| February           | 176                       | 153        | 142        | 203        |      | 30                                   | 29        | 28        | 29        |      | 14                                   | 13        | 13        | 15        |      |
| March              | 158                       | 143        | 135        | 171        |      | 29                                   | 28        | 28        | 25        |      | 13                                   | 13        | 13        | 14        |      |
| April              | 177                       | 155        | 152        | 192        |      | 30                                   | 29        | 29        | 25        |      | 14                                   | 13        | 14        | 14        |      |
| May                | 201                       | 168        | 162        | -          |      | 31                                   | 30        | 30        | -         |      | 14                                   | 14        | 14        | -         |      |
| June               | 171                       | 162        | 151        | -          |      | 29                                   | 29        | 29        | -         |      | 13                                   | 13        | 13        | -         |      |
| July               | 152                       | 143        | 134        | 125        |      | 28                                   | 28        | 28        | 20        |      | 13                                   | 13        | 13        | 11        |      |
| August             | 140                       | 131        | 158        | 97         |      | 27                                   | 27        | 26        | 18        |      | 13                                   | 13        | 13        | 9         |      |
| September          | 153                       | 126        | 156        | 180        |      | 27                                   | 26        | 26        | 20        |      | 13                                   | 13        | 13        | 11        |      |
| October            | 160                       | 145        | 164        | 181        |      | 27                                   | 27        | 27        | 82        |      | 14                                   | 14        | 14        | 12        |      |
| November           | 168                       | 139        | 180        | 270        |      | 28                                   | 26        | 28        | 25        |      | 14                                   | 14        | 16        | 14        |      |
| December           | 179                       | 156        | 261        | 302        |      | 29                                   | 28        | 28        | 28        |      | 14                                   | 15        | 14        | 17        |      |
| <b>Annual Avg.</b> | <b>170</b>                | <b>149</b> | <b>162</b> | <b>197</b> |      | <b>29</b>                            | <b>28</b> | <b>28</b> | <b>30</b> |      | <b>14</b>                            | <b>14</b> | <b>14</b> | <b>13</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **Z.O. /M.C Tubewell Jalandhar.**

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 186                       | 161        | 138        | 70         | -    | 28                                   | 27        | 25        | 22        | -    | 13                                   | 14        | 13        | 11        | -    |
| February           | 161                       | 146        | 131        | 71         |      | 26                                   | 26        | 25        | 20        |      | 13                                   | 13        | 13        | 12        |      |
| March              | 143                       | 135        | -          | -          |      | 26                                   | 25        | -         | -         |      | 12                                   | 12        | -         | -         |      |
| April              | 162                       | 148        | -          | -          |      | 27                                   | 26        | -         | -         |      | 13                                   | 13        | -         | -         |      |
| May                | 181                       | 167        | 158        | -          |      | 26                                   | 27        | 27        | -         |      | 14                                   | 14        | 14        | -         |      |
| June               | 155                       | 155        | 143        | -          |      | 25                                   | 25        | 25        | -         |      | 12                                   | 12        | 12        | -         |      |
| July               | 137                       | 134        | -          | -          |      | 24                                   | 24        | -         | -         |      | 12                                   | 12        | -         | -         |      |
| August             | 131                       | 124        | -          | 98         |      | 22                                   | 22        | -         | 19        |      | 12                                   | 12        | -         | 10        |      |
| September          | 140                       | 115        | -          | 103        |      | 23                                   | 23        | -         | 19        |      | 13                                   | 13        | -         | 10        |      |
| October            | 152                       | 133        | 109        | 138        |      | 24                                   | 24        | 26        | 19        |      | 13                                   | 13        | 13        | 11        |      |
| November           | 158                       | 128        | 125        | 166        |      | 25                                   | 24        | 26        | 24        |      | 13                                   | 13        | 16        | 13        |      |
| December           | 170                       | 142        | -          | -          |      | 26                                   | 26        | -         | -         |      | 13                                   | 14        | -         | -         |      |
| <b>Annual Avg.</b> | <b>156</b>                | <b>141</b> | <b>134</b> | <b>108</b> |      | <b>25</b>                            | <b>25</b> | <b>26</b> | <b>21</b> |      | <b>13</b>                            | <b>13</b> | <b>14</b> | <b>11</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: G.K. /Maltex Malsters, Jalandhar (Shifted to ESI Hospital)

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 209                       | 177        | 165        | 274        | 167  | 29                                   | 29        | 28        | 27        | 23   | 15                                   | 15        | 14        | 14        | 13   |
| February           | 186                       | 154        | 146        | 151        |      | 28                                   | 28        | 27        | 25        |      | 14                                   | 14        | 14        | 14        |      |
| March              | 165                       | 140        | 138        | 133        |      | 28                                   | 27        | 27        | 22        |      | 13                                   | 13        | 13        | 12        |      |
| April              | 182                       | 152        | 153        | 227        |      | 30                                   | 28        | 28        | 25        |      | 13                                   | 14        | 14        | 7         |      |
| May                | 207                       | 175        | 165        | -          |      | 31                                   | 29        | 29        | -         |      | 13                                   | 14        | 15        | -         |      |
| June               | 179                       | 165        | 154        | -          |      | 29                                   | 28        | 28        | -         |      | 13                                   | 13        | 13        | -         |      |
| July               | 160                       | 147        | 139        | 141        |      | 28                                   | 28        | 28        | 21        |      | 13                                   | 13        | 13        | 11        |      |
| August             | 152                       | 136        | 163        | 219        |      | 27                                   | 27        | 27        | 21        |      | 12                                   | 13        | 13        | 11        |      |
| September          | 156                       | 130        | 142        | 160        |      | 27                                   | 27        | 27        | 20        |      | 13                                   | 13        | 14        | 10        |      |
| October            | 165                       | 145        | 157        | 139        |      | 28                                   | 27        | 27        | 19        |      | 14                                   | 14        | 14        | 10        |      |
| November           | 172                       | 147        | 191        | 182        |      | 27                                   | 26        | 29        | 24        |      | 14                                   | 14        | 17        | 13        |      |
| December           | 185                       | 162        | 280        | 167        |      | 28                                   | 28        | 29        | 23        |      | 14                                   | 14        | 14        | 13        |      |
| <b>Annual Avg.</b> | <b>177</b>                | <b>153</b> | <b>166</b> | <b>179</b> |      | <b>28</b>                            | <b>28</b> | <b>28</b> | <b>23</b> |      | <b>13</b>                            | <b>14</b> | <b>14</b> | <b>12</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **Milk Plant, Ludhiana**

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015      | 2016      | 2017 |
| January            | 182                       | 157        | 116        | 119        | 114  | 20                                   | 21        | 27        | 25        | 22   | 10                                   | 8        | 10        | 8         | 10   |
| February           | 170                       | 155        | 114        | 118        |      | 22                                   | 21        | 29        | 22        |      | 11                                   | 9        | 10        | 10        |      |
| March              | 200                       | 86         | 61         | 99         |      | 25                                   | 16        | 26        | 23        |      | 10                                   | 8        | 9         | 10        |      |
| April              | 172                       | 65         | 98         | 105        |      | 23                                   | 19        | 26        | 23        |      | 9                                    | 7        | 10        | 10        |      |
| May                | 219                       | 117        | 107        | 142        |      | 22                                   | 26        | 31        | 22        |      | 8                                    | 9        | 10        | 11        |      |
| June               | 187                       | 137        | 84         | 166        |      | 25                                   | 24        | 29        | 20        |      | 11                                   | 8        | 9         | 10        |      |
| July               | 138                       | 76         | 110        | 107        |      | 18                                   | 17        | 23        | 17        |      | 10                                   | 6        | 8         | 8         |      |
| August             | 107                       | 56         | 119        | 109        |      | 15                                   | 19        | 20        | 18        |      | 8                                    | 7        | 8         | 8         |      |
| September          | 162                       | 58         | 108        | 105        |      | 18                                   | 23        | 18        | 20        |      | 9                                    | 8        | 9         | 9         |      |
| October            | 216                       | 122        | 148        | 122        |      | 22                                   | 26        | 31        | 22        |      | 11                                   | 10       | 10        | 11        |      |
| November           | 244                       | 113        | 160        | 187        |      | 23                                   | 27        | 29        | 28        |      | 11                                   | 10       | 11        | 14        |      |
| December           | 209                       | 112        | 119        | 143        |      | 25                                   | 26        | 25        | 21        |      | 10                                   | 9        | 12        | 11        |      |
| <b>Annual Avg.</b> | <b>184</b>                | <b>105</b> | <b>112</b> | <b>127</b> |      | <b>22</b>                            | <b>22</b> | <b>26</b> | <b>22</b> |      | <b>10</b>                            | <b>8</b> | <b>10</b> | <b>10</b> |      |



Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: Z.O. (Earlier Bharat Nagar Chowk), Ludhiana

| Month                  | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|------------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                        | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January                | 172                       | 187        | 120        | 78         | 117  | 29                                   | 30        | 27        | 26        | 23   | 10                                   | 12        | 10        | 11        | 14   |
| February               | 178                       | 120        | 98         | 98         |      | 30                                   | 25        | 29        | 25        |      | 11                                   | 10        | 11        | 10        |      |
| March                  | 129                       | 82         | 66         | 93         |      | 28                                   | 22        | 27        | 26        |      | 10                                   | 9         | 9         | 10        |      |
| April                  | 174                       | 93         | 71         | 144        |      | 29                                   | 24        | 26        | 28        |      | 10                                   | 10        | 9         | 12        |      |
| May                    | 214                       | 129        | 92         | 137        |      | 24                                   | 29        | 27        | 28        |      | 10                                   | 12        | 11        | 10        |      |
| June                   | 179                       | 163        | 83         | 168        |      | 31                                   | 27        | 26        | 28        |      | 13                                   | 11        | 10        | 10        |      |
| July                   | 148                       | 116        | 45         | 130        |      | 26                                   | 26        | 21        | 28        |      | 9                                    | 10        | 8         | 8         |      |
| August                 | 184                       | 111        | 105        | 93         |      | 29                                   | 27        | 23        | 19        |      | 11                                   | 11        | 13        | 7         |      |
| September              | 136                       | 147        | 134        | 101        |      | 23                                   | 23        | 26        | 19        |      | 8                                    | 10        | 13        | 8         |      |
| October                | 180                       | 123        | 161        | 131        |      | 29                                   | 27        | 27        | 28        |      | 12                                   | 12        | 11        | 10        |      |
| November               | 182                       | 132        | 167        | 166        |      | 28                                   | 33        | 27        | 33        |      | 11                                   | 12        | 11        | 13        |      |
| December               | 200                       | 242        | 102        | 137        |      | 28                                   | 28        | 25        | 24        |      | 12                                   | 13        | 8         | 11        |      |
| <b>Annual<br/>Avg.</b> | <b>173</b>                | <b>137</b> | <b>104</b> | <b>123</b> |      | <b>28</b>                            | <b>27</b> | <b>26</b> | <b>26</b> |      | <b>11</b>                            | <b>11</b> | <b>10</b> | <b>10</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name : Nahar Spinning Mills (Earlier Rita Sewing Machine), Ludhiana

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 239                       | 227        | 208        | 203        | 131  | 30                                   | 31        | 30        | 28        | 23   | 11                                   | 14        | 13        | 16        | 10   |
| February           | 246                       | 196        | 212        | 168        |      | 33                                   | 30        | 31        | 28        |      | 14                                   | 13        | 13        | 20        |      |
| March              | 164                       | 161        | 231        | 170        |      | 29                                   | 29        | 31        | 27        |      | 10                                   | 13        | 13        | 16        |      |
| April              | 189                       | 158        | 167        | 170        |      | 30                                   | 31        | 30        | 29        |      | 12                                   | 14        | 13        | 19        |      |
| May                | 254                       | 215        | 205        | 181        |      | 30                                   | 32        | 32        | 28        |      | 10                                   | 14        | 12        | 15        |      |
| June               | 250                       | 186        | 138        | 158        |      | 31                                   | 31        | 29        | 25        |      | 15                                   | 14        | 13        | 9         |      |
| July               | 246                       | 169        | 142        | 124        |      | 31                                   | 29        | 24        | 24        |      | 13                                   | 13        | 10        | 8         |      |
| August             | 253                       | 132        | 102        | 108        |      | 30                                   | 30        | 27        | 22        |      | 12                                   | 13        | 11        | 8         |      |
| September          | 162                       | 100        | 126        | 114        |      | 26                                   | 28        | 23        | 19        |      | 11                                   | 11        | 13        | 8         |      |
| October            | 248                       | 159        | 228        | 180        |      | 31                                   | 27        | 30        | 22        |      | 13                                   | 12        | 20        | 9         |      |
| November           | 271                       | 224        | 167        | 204        |      | 32                                   | 31        | 33        | 25        |      | 15                                   | 13        | 23        | 12        |      |
| December           | 280                       | 183        | 197        | 141        |      | 32                                   | 35        | 32        | 24        |      | 15                                   | 13        | 20        | 11        |      |
| <b>Annual Avg.</b> | <b>234</b>                | <b>176</b> | <b>177</b> | <b>160</b> |      | <b>30</b>                            | <b>30</b> | <b>29</b> | <b>25</b> |      | <b>13</b>                            | <b>13</b> | <b>15</b> | <b>13</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **Vishvakarma Chowk, Ludhiana**

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 217                       | 220        | 173        | 226        | 158  | 26                                   | 29        | 28        | 30        | 27   | 12                                   | 11        | 10        | 12        | 9    |
| February           | 176                       | 248        | 176        | 157        |      | 28                                   | 21        | 29        | 30        |      | 12                                   | 10        | 10        | 10        |      |
| March              | 215                       | 197        | 128        | 107        |      | 27                                   | 26        | 27        | 28        |      | 13                                   | 9         | 10        | 9         |      |
| April              | 255                       | 186        | 142        | 126        |      | 27                                   | 26        | 28        | 27        |      | 12                                   | 11        | 9         | 8         |      |
| May                | 251                       | 230        | 236        | 116        |      | 27                                   | 28        | 32        | 29        |      | 11                                   | 11        | 10        | 9         |      |
| June               | 221                       | 186        | 165        | 157        |      | 26                                   | 29        | 33        | 30        |      | 11                                   | 12        | 11        | 9         |      |
| July               | 167                       | 185        | 111        | 91         |      | 22                                   | 24        | 22        | 28        |      | 8                                    | 7         | 7         | 8         |      |
| August             | 131                       | 167        | 154        | 75         |      | 18                                   | 25        | 23        | 26        |      | 9                                    | 9         | 10        | 8         |      |
| September          | 209                       | 124        | 208        | 109        |      | 22                                   | 25        | 30        | 26        |      | 10                                   | 9         | 12        | 9         |      |
| October            | 243                       | 216        | 197        | 186        |      | 28                                   | 30        | 30        | 32        |      | 13                                   | 11        | 11        | 12        |      |
| November           | 309                       | 161        | 169        | 211        |      | 28                                   | 30        | 29        | 33        |      | 13                                   | 11        | 10        | 13        |      |
| December           | 229                       | 176        | 264        | 197        |      | 28                                   | 26        | 28        | 26        |      | 12                                   | 10        | 10        | 9         |      |
| <b>Annual Avg.</b> | <b>219</b>                | <b>191</b> | <b>177</b> | <b>147</b> |      | <b>26</b>                            | <b>27</b> | <b>28</b> | <b>29</b> |      | <b>11</b>                            | <b>10</b> | <b>10</b> | <b>10</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: **Markfed, Khanna**

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 209                       | 160        | 133        | 119        | 113  | 23                                   | 23        | 20        | 24        | 25   | 11                                   | 11        | 9         | 9         | 12   |
| February           | 183                       | 154        | 166        | 129        |      | 20                                   | 23        | 23        | 22        |      | 10                                   | 10        | 10        | 13        |      |
| March              | 211                       | 159        | 128        | 138        |      | 21                                   | 21        | 22        | 22        |      | 11                                   | 9         | 9         | 11        |      |
| April              | 221                       | 216        | 150        | 164        |      | 25                                   | 21        | 22        | 20        |      | 14                                   | 9         | 10        | 11        |      |
| May                | 227                       | 185        | 132        | 145        |      | 23                                   | 21        | 23        | 22        |      | 12                                   | 9         | 10        | 11        |      |
| June               | 182                       | 129        | 135        | 161        |      | 21                                   | 21        | 26        | 21        |      | 13                                   | 9         | 12        | 11        |      |
| July               | 96                        | 124        | 105        | 99         |      | 19                                   | 20        | 19        | 17        |      | 9                                    | 9         | 9         | 8         |      |
| August             | 145                       | 111        | 99         | 107        |      | 21                                   | 21        | 17        | 17        |      | 12                                   | 9         | 7         | 8         |      |
| September          | 172                       | 140        | 128        | 88         |      | 22                                   | 23        | 23        | 17        |      | 12                                   | 10        | 9         | 8         |      |
| October            | 152                       | 175        | 103        | 106        |      | 22                                   | 27        | 23        | 18        |      | 10                                   | 12        | 10        | 8         |      |
| November           | 192                       | 203        | –          | 128        |      | 24                                   | 25        | –         | 24        |      | 11                                   | 12        | –         | 11        |      |
| December           | 185                       | 148        | 83         | 107        |      | 24                                   | 21        | 22        | 22        |      | 13                                   | 8         | 12        | 12        |      |
| <b>Annual Avg.</b> | <b>181</b>                | <b>159</b> | <b>124</b> | <b>124</b> |      | <b>22</b>                            | <b>22</b> | <b>22</b> | <b>21</b> |      | <b>12</b>                            | <b>10</b> | <b>10</b> | <b>10</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>&NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: A.S. Secondary School, Khanna

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |          |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016     | 2017 |
| January            | 207                       | 151        | 116        | 83         | 96   | 26                                   | 22        | 21        | 13        | 19   | 10                                   | 10        | 9         | 8        | 8    |
| February           | 179                       | 140        | 148        | 111        |      | 23                                   | 21        | 23        | 15        |      | 11                                   | 9         | 10        | 9        |      |
| March              | 204                       | 164        | 156        | 143        |      | 20                                   | 23        | 23        | 17        |      | 10                                   | 10        | 10        | 8        |      |
| April              | 177                       | 195        | 134        | 146        |      | 21                                   | 22        | 22        | 16        |      | 11                                   | 10        | 10        | 9        |      |
| May                | 218                       | 193        | 137        | 101        |      | 23                                   | 20        | 23        | 23        |      | 13                                   | 8         | 10        | 9        |      |
| June               | 240                       | 141        | 133        | 95         |      | 24                                   | 21        | 28        | 22        |      | 15                                   | 9         | 13        | 10       |      |
| July               | 110                       | 119        | 108        | 87         |      | 19                                   | 22        | 19        | 16        |      | 10                                   | 9         | 12        | 9        |      |
| August             | 169                       | 118        | 86         | 72         |      | 21                                   | 20        | 15        | 18        |      | 12                                   | 9         | 9         | 9        |      |
| September          | 153                       | 127        | 91         | 87         |      | 22                                   | 24        | 22        | 19        |      | 11                                   | 10        | 11        | 8        |      |
| October            | 206                       | 229        | -          | 104        |      | 26                                   | 26        | -         | 20        |      | 12                                   | 13        | -         | 9        |      |
| November           | 198                       | 230        | _          | 109        |      | 23                                   | 27        | _         | 20        |      | 12                                   | 13        | _         | 10       |      |
| December           | 160                       | 181        | 105        | 96         |      | 22                                   | 22        | 14        | 19        |      | 10                                   | 10        | 9         | 9        |      |
| <b>Annual Avg.</b> | <b>185</b>                | <b>166</b> | <b>121</b> | <b>103</b> |      | <b>23</b>                            | <b>23</b> | <b>21</b> | <b>18</b> |      | <b>11</b>                            | <b>10</b> | <b>10</b> | <b>9</b> |      |

Comparative Values of RSPM, SO<sub>2</sub> & NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: M/s Vinod Milk Chilling Centre, Amritsar

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 181                       | 177        | 204        | 224        | 316  | 38                                   | 36        | 40        | 40        | 37   | 11                                   | 13        | 14        | 18        | 13   |
| February           | 180                       | 170        | 198        | 208        |      | 37                                   | 36        | 39        | 39        |      | 12                                   | 13        | 13        | 17        |      |
| March              | 182                       | 168        | 187        | 218        |      | 40                                   | 35        | 38        | 40        |      | 13                                   | 13        | 12        | 18        |      |
| April              | 194                       | 198        | 211        | 313        |      | 41                                   | 38        | 39        | 40        |      | 14                                   | 14        | 13        | 15        |      |
| May                | 188                       | 215        | 212        | -          |      | 42                                   | 42        | 39        | -         |      | 14                                   | 15        | 14        | -         |      |
| June               | 171                       | 202        | 181        | 205        |      | 41                                   | 43        | 38        | 37        |      | 12                                   | 14        | 13        | 12        |      |
| July               | 132                       | 191        | 178        | 201        |      | 39                                   | 39        | 38        | 36        |      | 13                                   | 13        | 13        | 12        |      |
| August             | -                         | 182        | 145        | 225        |      | -                                    | 38        | 37        | 36        |      | -                                    | 12        | 13        | 12        |      |
| September          | -                         | 184        | 156        | 261        |      | -                                    | 40        | 37        | 35        |      | -                                    | 12        | 13        | 12        |      |
| October            | 173                       | 199        | 161        | 263        |      | 39                                   | 45        | 37        | 37        |      | 14                                   | 14        | 13        | 13        |      |
| November           | 181                       | 191        | 182        | 267        |      | 40                                   | 41        | 39        | 36        |      | 15                                   | 14        | 15        | 12        |      |
| December           | 189                       | 202        | 181        | 316        |      | 41                                   | 39        | 39        | 37        |      | 15                                   | 13        | 15        | 13        |      |
| <b>Annual Avg.</b> | <b>177</b>                | <b>190</b> | <b>183</b> | <b>246</b> |      | <b>40</b>                            | <b>39</b> | <b>38</b> | <b>38</b> |      | <b>13</b>                            | <b>13</b> | <b>13</b> | <b>14</b> |      |

Comparative Values of RSPM, SO<sub>2</sub> & NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Station Name: M/s Nagina Soap Factory, Amritsar shifted to Focal Point, R.O.

| Month              | RSPM<br>µg/m <sup>3</sup> |            |            |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |           |           |      |
|--------------------|---------------------------|------------|------------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|
|                    | 2013                      | 2014       | 2015       | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 |
| January            | 178                       | 175        | 202        | 246        | 310  | 39                                   | 38        | 39        | 40        | 41   | 12                                   | 13        | 14        | 17        | 14   |
| February           | 174                       | 171        | 195        | 225        |      | 36                                   | 38        | 38        | 38        |      | 11                                   | 13        | 13        | 17        |      |
| March              | 172                       | 170        | 184        | 225        |      | 38                                   | 38        | 37        | 39        |      | 12                                   | 12        | 12        | 18        |      |
| April              | 205                       | 201        | 208        | 239        |      | 41                                   | 39        | 39        | 39        |      | 13                                   | 14        | 14        | 17        |      |
| May                | 197                       | 209        | 210        | -          |      | 42                                   | 44        | 40        | -         |      | 13                                   | 14        | 14        | -         |      |
| June               | 180                       | 199        | 188        | 208        |      | 37                                   | 42        | 39        | 36        |      | 12                                   | 14        | 13        | 14        |      |
| July               | 160                       | 189        | 181        | 128        |      | 37                                   | 41        | 37        | 33        |      | 12                                   | 13        | 13        | 12        |      |
| August             | 155                       | 129        | 141        | 152        |      | 36                                   | 39        | 37        | 32        |      | 12                                   | 12        | 13        | 11        |      |
| September          | 163                       | 178        | 153        | 217        |      | 37                                   | 39        | 38        | 34        |      | 13                                   | 13        | 14        | 11        |      |
| October            | 169                       | 201        | 180        | 211        |      | 40                                   | 48        | 37        | 40        |      | 13                                   | 15        | 13        | 13        |      |
| November           | 177                       | 188        | 194        | 231        |      | 39                                   | 42        | 38        | 40        |      | 14                                   | 14        | 14        | 13        |      |
| December           | 185                       | 201        | 190        | 310        |      | 40                                   | 41        | 39        | 41        |      | 14                                   | 14        | 15        | 14        |      |
| <b>Annual Avg.</b> | <b>176</b>                | <b>184</b> | <b>186</b> | <b>217</b> |      | <b>39</b>                            | <b>41</b> | <b>38</b> | <b>37</b> |      | <b>13</b>                            | <b>13</b> | <b>14</b> | <b>14</b> |      |

Comparative Values of RSPM, SO<sub>2</sub>& NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Rural Area Station Name: **Rasulpur**

| Month              | RSPM<br>µg/m <sup>3</sup> |           |           |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|-----------|-----------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014      | 2015      | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 55                        | 48        | 65        | 104        | 103  | 12                                   | 12        | 12        | 16        | 14   | 6                                    | 6        | 6        | 9        | 8    |
| February           | 44                        | 47        | 63        | 117        |      | 12                                   | 12        | 11        | 16        |      | 6                                    | 6        | 6        | 9        |      |
| March              | 44                        | 46        | 57        | 134        |      | 13                                   | 13        | 10        | 17        |      | ND                                   | 6        | 6        | 8        |      |
| April              | 109                       | 58        | 72        | 111        |      | 16                                   | 13        | 14        | 16        |      | 4                                    | 6        | 8        | 8        |      |
| May                | 148                       | 72        | 78        | -          |      | 19                                   | 16        | 16        | -         |      | 6                                    | 6        | 7        | -        |      |
| June               | 55                        | 67        | 67        | -          |      | 12                                   | 13        | 13        | -         |      | 6                                    | 7        | 6        | -        |      |
| July               | 48                        | 55        | 61        | 109        |      | 14                                   | 12        | 12        | 13        |      | 4                                    | 6        | 6        | 7        |      |
| August             | 46                        | 52        | 69        | 82         |      | 13                                   | 11        | 13        | 13        |      | 4                                    | 6        | 7        | 7        |      |
| September          | 49                        | 54        | 72        | 53         |      | 13                                   | 12        | 13        | 11        |      | 6                                    | 8        | 7        | 7        |      |
| October            | 59                        | 69        | 62        | 146        |      | 14                                   | 13        | 13        | 18        |      | 6                                    | 9        | 7        | 9        |      |
| November           | 63                        | 62        | -         | 159        |      | 14                                   | 11        | -         | 17        |      | 8                                    | 7        | -        | 8        |      |
| December           | 69                        | 63        | 106       | 103        |      | 14                                   | 11        | 13        | 14        |      | 8                                    | 6        | 7        | 8        |      |
| <b>Annual Avg.</b> | <b>66</b>                 | <b>58</b> | <b>70</b> | <b>112</b> |      | <b>14</b>                            | <b>12</b> | <b>13</b> | <b>15</b> |      | <b>6</b>                             | <b>7</b> | <b>7</b> | <b>8</b> |      |



Comparative Values of RSPM, SO<sub>2</sub>& NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Rural Area Station Name: **Gurdwara Gangsar Sahib, Sangrur**

| Month              | RSPM<br>µg/m <sup>3</sup> |           |           |           |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |          |      |
|--------------------|---------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|----------|------|
|                    | 2013                      | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016     | 2017 |
| January            | 93                        | 69        | 91        | 98        | 82   | 12                                   | 13        | 14        | 14        | 12   | ND                                   | ND       | ND       | 5        | ND   |
| February           | 102                       | 72        | 79        | 92        |      | 16                                   | 11        | 14        | 13        |      | ND                                   | ND       | ND       | 4        |      |
| March              | 88                        | 83        | 74        | 93        |      | 17                                   | 12        | 14        | 12        |      | ND                                   | 4        | ND       | 5        |      |
| April              | 106                       | 116       | 104       | 102       |      | 13                                   | 14        | 14        | 13        |      | ND                                   | ND       | ND       | 5        |      |
| May                | 110                       | 102       | 132       | 110       |      | 18                                   | 14        | 14        | 12        |      | ND                                   | ND       | 4        | 5        |      |
| June               | 76                        | 82        | 136       | 96        |      | 12                                   | 11        | 14        | 13        |      | ND                                   | ND       | ND       | ND       |      |
| July               | 70                        | 85        | 88        | 69        |      | 13                                   | 11        | 12        | 15        |      | ND                                   | ND       | ND       | ND       |      |
| August             | 70                        | 68        | 77        | 55        |      | 11                                   | 11        | 12        | 11        |      | ND                                   | ND       | ND       | ND       |      |
| September          | 77                        | 72        | 81        | 73        |      | 12                                   | 12        | 13        | 12        |      | ND                                   | ND       | ND       | ND       |      |
| October            | 135                       | 108       | 98        | 110       |      | 21                                   | 14        | 12        | 13        |      | 5                                    | 4        | 4        | 5        |      |
| November           | 132                       | 119       | 113       | 119       |      | 20                                   | 13        | 14        | 13        |      | ND                                   | 4        | 4        | 4        |      |
| December           | 86                        | 98        | 106       | 85        |      | 14                                   | 14        | 12        | 12        |      | ND                                   | 4        | 5        | ND       |      |
| <b>Annual Avg.</b> | <b>93</b>                 | <b>90</b> | <b>98</b> | <b>92</b> |      | <b>15</b>                            | <b>13</b> | <b>13</b> | <b>13</b> |      | <b>5</b>                             | <b>4</b> | <b>4</b> | <b>4</b> |      |

Comparative Values of RSPM, SO<sub>2</sub> & NO<sub>x</sub> µg/m<sup>3</sup>

For the years 2013-2016

Rural Area Station Name: **Guru Ki Dhab, Faridkot**

| Month              | RSPM<br>µg/m <sup>3</sup> |           |           |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |           |          |          |      |
|--------------------|---------------------------|-----------|-----------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|-----------|----------|----------|------|
|                    | 2013                      | 2014      | 2015      | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014      | 2015     | 2016     | 2017 |
| January            | 86                        | 76        | 83        | 92         | 95   | 15                                   | 13        | 13        | 12        | 13   | ND                                   | ND        | ND       | 5        | 5    |
| February           | 97                        | 89        | 76        | 100        |      | 20                                   | 11        | 14        | 13        |      | ND                                   | ND        | ND       | 5        |      |
| March              | 91                        | 83        | 80        | -          |      | 16                                   | 11        | 14        | -         |      | ND                                   | ND        | ND       | -        |      |
| April              | 104                       | 71        | 103       | -          |      | 12                                   | 11        | 13        | -         |      | ND                                   | ND        | ND       | -        |      |
| May                | 102                       | 65        | 85        | 100        |      | 15                                   | 12        | 13        | 11        |      | ND                                   | ND        | 4        | 4        |      |
| June               | 77                        | 99        | 118       | 115        |      | 13                                   | 11        | 13        | 13        |      | ND                                   | ND        | ND       | ND       |      |
| July               | 77                        | 61        | 82        | 98         |      | 15                                   | 11        | 12        | 12        |      | ND                                   | ND        | ND       | ND       |      |
| August             | 88                        | 84        | 75        | 102        |      | 12                                   | 10        | 12        | 11        |      | ND                                   | ND        | ND       | ND       |      |
| September          | 92                        | 49        | 73        | 111        |      | 13                                   | 10        | 12        | 11        |      | ND                                   | ND        | ND       | ND       |      |
| October            | 125                       | 75        | 68        | 121        |      | 20                                   | 12        | 11        | 13        |      | 6                                    | ND        | ND       | 5        |      |
| November           | 99                        | 59        | 125       | 119        |      | 13                                   | 10        | 16        | 13        |      | 5                                    | ND        | 5        | 5        |      |
| December           | 75                        | 59        | 106       | 99         |      | 12                                   | 12        | 14        | 13        |      | ND                                   | 4         | 5        | 5        |      |
| <b>Annual Avg.</b> | <b>93</b>                 | <b>73</b> | <b>90</b> | <b>106</b> |      | <b>15</b>                            | <b>11</b> | <b>13</b> | <b>12</b> |      | <b>6</b>                             | <b>ND</b> | <b>5</b> | <b>4</b> |      |

Comparative Values of RSPM, SO<sub>2</sub> & NO<sub>x</sub> µg/m<sup>3</sup>

For the year 2014-15

Rural Area Station Name: **Village Mukandpur, SBS Nagar**

| Month              | RSPM<br>µg/m <sup>3</sup> |           |           |            |      | NO <sub>x</sub><br>µg/m <sup>3</sup> |           |           |           |      | SO <sub>2</sub><br>µg/m <sup>3</sup> |          |          |           |      |
|--------------------|---------------------------|-----------|-----------|------------|------|--------------------------------------|-----------|-----------|-----------|------|--------------------------------------|----------|----------|-----------|------|
|                    | 2013                      | 2014      | 2015      | 2016       | 2017 | 2013                                 | 2014      | 2015      | 2016      | 2017 | 2013                                 | 2014     | 2015     | 2016      | 2017 |
| January            | -                         | -         | 61        | 137        | 172  | -                                    | -         | 14        | 20        | 23   | -                                    | -        | 7        | 11        | 12   |
| February           | -                         | -         | 66        | 176        |      | -                                    | -         | 13        | 19        |      | -                                    | -        | 7        | 10        |      |
| March              | -                         | 45        | 52        | -          |      | -                                    | 13        | 13        | -         |      | -                                    | 6        | 7        | -         |      |
| April              | -                         | 48        | 72        | 160        |      | -                                    | 13        | 15        | 21        |      | -                                    | 6        | 8        | 11        |      |
| May                | -                         | 59        | 85        | -          |      | -                                    | 15        | 18        | -         |      | -                                    | 6        | 8        | -         |      |
| June               | -                         | -         | 76        | 161        |      | -                                    | -         | 16        | 22        |      | -                                    | -        | 8        | 12        |      |
| July               | -                         | -         | 62        | 171        |      | -                                    | -         | 14        | 20        |      | -                                    | -        | 7        | 11        |      |
| August             | -                         | 51        | 70        | 65         |      | -                                    | 11        | 14        | 12        |      | -                                    | 6        | 5        | 8         |      |
| September          | -                         | 52        | 81        | 68         |      | -                                    | 13        | 13        | 10        |      | -                                    | 7        | 6        | 8         |      |
| October            |                           | 65        | -         | 298        |      |                                      | 16        | -         | 21        |      |                                      | 8        | -        | 11        |      |
| November           |                           | 56        | 75        | 188        |      |                                      | 14        | 14        | 22        |      |                                      | 7        | 7        | 12        |      |
| December           |                           | 58        | 111       | 172        |      |                                      | 14        | 17        | 23        |      |                                      | 6        | 7        | 12        |      |
| <b>Annual Avg.</b> |                           | <b>54</b> | <b>74</b> | <b>160</b> |      |                                      | <b>14</b> | <b>15</b> | <b>19</b> |      |                                      | <b>7</b> | <b>7</b> | <b>11</b> |      |