

Sound Level in Bangkok Metropolitan Region 2001

January

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L_{dn})	Equivalent sound level 24hr (L_{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L_{90})
1.	Residence of Police, Bangkapi	79.6 - 81.0	73.9 - 75.2	100	62.7 - 72.3
2.	Dindang Residence, Dindang	79.7 - 82.6	73.6 - 75.1	100	65.3 - 76.1

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L_{dn})	Equivalent sound level 24hr (L_{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L_{90})
1.	Nonsewittaya School, Yannawa	59.5 - 64.0	53.2 - 60.5	0	52.1 - 57.6
2.	Singharatpittaya School, Bangkuntean	68.9 - 71.0	61.8 - 64.2	0	49.9 - 65.4
3.	Management Organization of Provinc , Samutsakorn	69.6 - 73.6	66.1 - 70.8	3	49.2 - 69.4

February

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L_{dn})	Equivalent sound level 24hr (L_{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L_{90})
1.	Electrical Substation , Thonburi	77.9 - 80.0	72.3 - 74.8	100	62.7 - 71.7
2.	Residence of Police, Bangkapi	79.6 - 80.1	74.2 - 74.4	100	62.7 - 71.1
3.	Residence, Dindeang	79.9 - 83.3	73.7 - 75.6	100	64.8 - 76.9

Table 2 : Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L_{dn})	Equivalent sound level 24hr (L_{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L_{90})
1.	Nonriwittaya School, Yannawa	59.5 - 64.0	53.2 - 60.5	0	52.1 - 57.6
2.	Singharatpittaya School, Bangkuntean	68.9 - 71.0	61.8 - 64.2	0	49.9 - 65.4
3.	Management Organization of Province , Samutsakon	69.6 - 73.6	66.1 - 70.8	3	49.2 - 69.4

March

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Electrical Substation, Thonburi	77.5 - 79.3	71.9 - 73.8	100	61.6 - 72.1
2.	Residence of Police, Bangkokpi	80.0 - 83.1	73.8 - 75.9	100	65.2 - 76.3
3.	Phahurat	84.1 - 84.7	78.4 - 79.2	100	63.7 - 75.4

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Nonseewittaya School, Yannawa	67.9 - 76.2	61.5 - 74.6	4	58.8 - 69.9
2.	Singharatpittaya School, Bangkuntean	69.7 - 75.7	62.8 - 68.3	0	49.5 - 65.2
3.	Management Organization of Provine, Samutsakon	71.2 - 73.7	66.6 - 69.1	0	51.2 - 68.0

April

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Residence, Dindang	79.6 - 81.6	73.4 - 75.4	100	64.2 - 72.2
2.	Phahurat	83.1 - 84.8	77.7 - 79.8	100	62.2 - 75.9
3.	Training of Development and Energy Promotioent Division, Bangkruy	66.4 - 74.2	61.4 - 73.6	12	43.0 - 69.3

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkamhang University, Bangkokpi	61.7 - 62.4	58.6 - 59.4	0	49.7 - 60.6
2.	Nonriwittaya School, Yannawa	67.5 - 74.1	66.0 - 73.2	67	54.4 - 75.8
3.	Singharatpittaya School, Bangkuntean	69.2 - 73.0	62.2 - 66.0	0	50.2 - 63.0
4.	Management Organization of Province, Samutsakorn	69.7 - 73.8	65.7 - 69.0	0	50.5 - 65.9

May

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Electrical Substation, Thonburi	78.7 - 78.9	73.4 - 73.7	100	63.2 - 69.6
2.	Dindang Residence, Dindang	79.6 - 81.1	73.5 - 74.6	100	63.5 - 72.9
3.	Phahurat	83.4 - 84.7	78.2 - 79.2	100	62.8 - 75.9

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumhang University, Bangkokapi	59.9 - 66.9	57.4 - 65.9	0	43.6 - 64.5
2.	Residence, Klongchan	no data	55.6 - 58.3	0	47.1 - 57.2
3.	Nonseewittaya School, Yannawa	59.9 - 67.1	57.4 - 66.1	0	43.6 - 64.5
4.	Singharatpittaya School, Bangkokuntean	68.9 - 73.9	61.6 - 67.5	0	46.5 - 67.3
5.	Management Organization of Province, Samutsakorn	71.3 - 72.7	67.0 - 68.9	0	52.3 - 66.1

June

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Electrical Substation, Thonburi	78.1 - 79.9	73.0 - 74.8	100	62.0 - 72.9
2.	Residence of Police, Bangkokapi	79.1 - 79.7	73.7 - 74.2	100	62.9 - 70.8
3.	Phahurat	83.8 - 84.6	78.2 - 79.1	100	62.5 - 75.8
4.	Thonburi Transit District, A.Kratumban, Samutsakorn	72.0 - 75.7	66.5 - 68.4	0	55.6 - 69.5

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumhang University, Bangkokapi	61.9 - 66.7	58.5 - 65.7	0	48.0 - 68.6
2.	Klongchan Residence, Klongchan	59.3 - 62.3	54.5 - 58.8	0	46.3 - 56.0
3.	Nonseewittaya School, Yannawa	65.3 - 73.5	59.6 - 67.7	0	53.7 - 67.2
4.	Singharatpittaya School, Bangkokuntean	67.8 - 72.4	62.8 - 65.9	0	50.8 - 66.1
5.	Management Organization of Province, Samutsakorn	71.4 - 76.0	67.2 - 70.5	7	50.2 - 67.9

July

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Prachasongkroh Rd., Huykwang	71.3 - 74.7	66.5 - 68.5	0	53.4 - 70.7
2.	Intrapitak Rd., Thonburi	78.2 - 80.2	72.8 - 74.8	100	62.2 - 74.1
3.	Ladprao Rd., Bangkapi	79.2 - 80.9	73.8 - 75.2	100	62.4 - 73.8
4.	Dindang Residence, Dindang	79.7 - 80.2	73.8 - 74.5	100	63.4 - 72.2
5.	Phahurat	83.5 - 84.9	78.2 - 79.3	100	62.4 - 75.6
6.	Thonburi Transit District, A.Kratumban, Samutsakorn	71.7 - 75.9	66.3 - 69.8	0	54.9 - 70.0

Table 2 : Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumhang University, Bangkapi	61.7 - 68.7	58.9 - 68.0	0	46.5 - 68.0
2.	Nonseewittaya School, Yannawa	64.7 - 73.1	58.6 - 65.9	0	57.1 - 66.0
3.	Singharatwittaya School, Bangkuntean	67.3 - 71.2	63.2 - 67.0	0	49.8 - 64.2
4.	Sukhothaithummatirat University, Nontaburi	60.3 - 65.9	53.8 - 58.7	0	47.2 - 63.1
5.	Management Organization of Province, Samutsakorn	71.3 - 76.6	67.0 - 70.6	3	51.5 - 69.9

August

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Phachasongkoe Rd., Huykwang	71.2 - 80.4	66.4 - 74.9	35	54.2 - 75.7
2.	Intrahpitak Rd., Thonburi	78.1 - 80.5	72.7 - 74.5	100	62.1 - 72.0
3.	Ladprao Rd., Bangkapi	79.3 - 80.8	74.1- 74.6	100	62.7 - 72.2
4.	Phahurat	83.7 - 85.3	78.3 - 74.9	100	63.4 - 75.8

Table 2 : Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumhang University, Bangkapi	61.4 - 72.4	57.3 - 66.3	0	46.6 - 68.1
2.	Klongchan Residence., Sukhapiban I Rd., Bangkapi	61.0 - 63.3	55.6 - 58.5	0	44.4 - 59.0
3.	Nonseewittaya School, Yannawa	67.2 - 75.5	61.3 - 70.1	3	57.9 - 68.0
4.	Singharatpittaya School, Bangkuntean	67.9 - 72.2	62.6 - 66.8	0	51.3 - 67.6
5.	Sukhothaithummatirat University, Nontaburi	60.3 - 67.1	54.2 - 58.9	0	47.8 - 61.2
6.	Management Organization of Province, Samutsakorn	71.6 - 73.2	67.2 - 69.2	0	52.1 - 68.2

September

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Prachasongkroh Rd., Huykwang	71.5 - 74.5	66.6 - 69.6	0	54.2 - 70.9
2.	Odent Roundabout, Yaowarat Rd., Sumpantawong	75.8 - 77.4	70.8 - 72.8	100	56.3 - 71.2
3.	Intrahpitak Rd., Thonburi	77.8 - 79.9	72.6 - 74.5	100	61.8 - 73.4
4.	Phahurat	83.4 - 93.2	78.1 - 88.7	100	62.2 - 85.9
5.	Thonburi Transit District, A.Kratumban, Samutsakorn	72.3 - 75.3	66.7 - 69.5	0	55.9 - 69.2

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumhang University, Bangkapi	62.2 - 71.4	58.8 - 68.4	0	47.8 - 68.1
2.	Nonseewittaya School, Yannawa	65.6 - 74.1	59.8 - 70.8	10	57.4 - 67.2
3.	Singharatpittaya School, Bangkuntean	66.9 - 73.4	62.8 - 65.5	0	51.1 - 67.1
4.	Sukhothaithummatirat University, Nonthaburi	61.3 - 70.7	55.2 - 65.8	0	47.1 - 65.5
5.	Management Organization of Province, Samutsakorn	70.8 - 72.3	67.0 - 68.3	0	51.7 - 65.0

October

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Prachasongkroh Rd., Huykwang	71.9 - 79.1	67.2 - 77.7	8	55.0 - 78.0
2.	Odeint Roundabout, Yaowarat Rd., Sumpuntawong	75.6 - 77.5	71.1 - 72.9	100	55.7 - 70.8
3.	Intrahpitak Rd., Thonburi	78.2 - 80.0	72.9 - 74.4	100	61.0 - 72.5
4.	Dindang Residence, Dindeang	79.1 - 80.9	73.1 - 74.6	100	62.9 - 73.3
5.	Thonburi Transit District, A.Kratumban, Samutsakorn	71.6 - 76.5	66.0 - 70.9	8	55.2 - 70.5

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumheang University, Bangkapi	61.3 - 72.2	58.1 - 65.9	0	48.8 - 67.1
2.	Nonseewittaya School., Yannawa	67.4 - 76.1	61.7 - 72.4	6	59.1 - 68.2
3.	Singharatpittaya School., Bangkuntean	69.1 - 73.1	64.4 - 66.3	0	50.6 - 65.9
4.	Sukhothaithummatirat University, Nonthaburi	61.7 - 67.5	56.1 - 60.9	0	48.5 - 63.1

November

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Prachasongkroh Rd., Huykwang	72.4 - 78.7	64.1 - 73.1	27	52.7- 76..6
2.	Odeint Roundabout, Yaowarat Rd., Sumpuntawong	75.3 - 76.8	70.9 - 72.2	100	53.1 - 71.7
3.	Intrahpitak Rd., Thonburi	77.8 - 81.0	72.6 - 74.7	100	61.0 - 67.2
4.	Beside a police kiosk at a street corner, Ladprao Rd., Bangkapi	79.3 - 81.0	73.8 - 75.2	100	61.8 - 74.3
5.	Dindang Residence, Dindang	79.3 - 81.4	73.2 - 74.5	100	63.8 - 74.4
6.	Thonburi Transit District, A.Kratumban, Samutsakorn	71.5 - 77.8	66.0 - 70.0	0	53.6 - 75.1

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumhang University, Bangkapi	61.1 - 72.1	56.8 - 67.2	0	47.3 - 65.6
2.	Klongchan Residence, Bangkapi	59.7 - 61.4	54.5 - 56.0	0	39.6 - 55.0
3.	Nonseewittaya School, Yannawa	70.3 - 73.1	65.5 - 70.1	20	61.1 - 68.3
4.	Singharatpittaya School, Bangkuntean	67.1 - 69.6	63.6 - 65.2	0	48.6 - 63.1
5.	Sukhothaithummatirat University, Nonthaburi	63.4 - 70.4	56.8 - 64.1	0	47.3 - 65.1

December

Table 1 : Sound Level at Roadside (Maximum-Minimum)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Prachasongkroh Rd., Huykwang	72.2 - 79.7	67.4- 72.8	33	54.0- 74..7
2.	Odeint Roundabout, Yaowarat Rd., Sumpuntawong	75.5 - 81.6	70.7 - 76.2	100	55.1 - 73.5
3.	Intrahpitak Rd., Thonburi	77.7 - 80.9	72.3 - 74.6	100	61.0 - 72.6
4.	Beside a police kiosk at a street corner, Ladprao Rd., Bangkapi	78.7 - 81.0	73.3 - 74.8	100	62.0 - 72.0
5.	Dindang Residence, Dindang	78.8 - 80.5	73.0 - 73.8	100	62.8 - 71.3
6.	Thonburi transit district, A.Kratumban, Samutsakorn	71.3 - 76.3	65.9 - 69.9	0	52.4 - 69.7

Table 2: Sound Level in Ambient (Minimum-Maximam)

No.	Station	Day-Night average sound level (L _{dn})	Equivalent sound level 24hr (L _{eq} 24hr.)	% of days Equivalent sound level >70 dBA	Background Noise (L ₉₀)
1.	Ramkumheang University, Bangkapi	61.9 - 67.3	57.0 - 66.5	0	47.2 - 65.6
2.	Singharatpittaya School, Bangkuntean	67.1 - 72.5	62.6 - 67.2	0	48.8 - 66.8
3.	Sukhothaithummatirat University, Nonthaburi	63.1 - 71.5	56.1 - 62.8	0	47.5 - 66.4