

CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR PARTICULATE MATTER

Annexure -1

Station : Jai Stambh Chowk, Yatayat Thana, Raipur		Date : 11.11.2012		
Shift :	1st Shift	IInd Shift	IIIrd Shift	
Monitoring Period : Dhanteras	06:00 AM -02:00 PM	02:00 PM -10:00 PM	10:00 PM -06:00 AM	
Parameter : RSPM SPM	RSPM	RSPM	RSPM	
Filter Paper No.	4	5	6	
Hourly Flow Rate (m ³ /minute)				
	1.30	1.3	1.25	
	1.28	1.3	1.25	
	1.25	1.25	1.25	
	1.22	1.20	1.20	
	1.20	1.20	1.20	
	1.18	1.20	1.20	
	1.15	1.15	1.15	
	1.12	1.12	1.15	
	1.10	1.10	1.15	
Average Flow Rate (m ³ /minute)	1.2	1.20	1.20	
Total Operation Time (Minutes)	480	480	480	
Initial Weight of Filter Paper (gms.)	2.7417	2.7908	2.7624	
Final Weight of Filter Paper (gms.)	2.8604	2.9566	2.8926	
Dust Contents (gms.)	0.1187	0.1658	0.1302	
Total Volume of Air Sampled (m ³)	576.0	576.0	576.0	
Concentration (µg/m ³)	206.07	287.84	226.04	
24 Hourly Average RSPM = 239.98 (µg/m ³)				
Remarks :				
Name & Signature of Official on Duty :		S.K.Khanna Lab. Asst. Grade-II	R.R.Tripathi J.L.A.	G.Tripathi Lab Attd.

G. Tripathi

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CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR PARTICULATE MATTER

Annexure -1

Station : City Kotwali, Raipur		Date : 11.11.2012		
Shift :	Ist Shift	IInd Shift	IIrd Shift	
Monitoring Period : Dhateras	06:00 AM -02:00 PM	02:00 PM -10:00 PM	10:00 PM -06:00 AM	
Parameter : RSPM SPM	RSPM	RSPM	RSPM	
Filter Paper No.	1	2	3	
Hourly Flow Rate (m ³ /minute)	1.25	1.25	1.25	
	1.25	1.25	1.25	
	1.25	1.20	1.20	
	1.20	1.20	1.20	
	1.20	1.20	1.15	
	1.15	1.15	1.15	
	1.15	1.15	1.15	
	1.10	1.15	1.10	
	1.10	1.10	1.10	
Average Flow Rate (m ³ /minute)	1.18	1.18	1.17	
Total Operation Time (Minutes)	480	480	480	
Initial Weight of Filter Paper (gms.)	2.7824	2.7615	2.7731	
Final Weight of Filter Paper (gms.)	2.9127	2.9908	2.9152	
Dust Contents (gms.)	0.1303	0.2293	0.1421	
Total Volume of Air Sampled (m ³)	566.4	566.4	561.6	
Concentration (µg/m ³)	230.04	404.83	253.02	
24 Hourly Average RSPM = 295.96 (µg/m ³)				
Remarks :				
Name & Signature of Official on Duty :		<u>U.K. Mandel</u> Ujwal Mandal Incharge Chemist		Y.K. Bhaskar Lab Attd.
		<u>Y.K. Bhaskar</u> Lab Attd.		H.M. Tiwari Lab Asst. Grade -I <u>H.M. Tiwari</u>

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Y.K. Bhaskar
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CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR PARTICULATE MATTER

Annexure - I

Station : Jai Stambh Chowk, Yatayat Thana, Raipur	Date : 13.11.2012		
Shift :	Ist Shift	IInd Shift	IIIrd Shift
Monitoring Period : Deepawali	06:00 AM -02:00 PM	02:00 PM -10:00 PM	10:00 PM -06:00 AM
Parameter : RSPM SPM	RSPM	RSPM	RSPM
Filter Paper No.	7	8	9
Hourly Flow Rate (m ³ /minute)			
	1.30	1.30	1.30
	1.25	1.20	1.30
	1.25	1.20	1.25
	1.20	1.15	1.25
	1.15	1.15	1.20
	1.15	1.15	1.20
	1.10	1.15	1.15
	1.10	1.10	1.15
	1.10	1.10	1.10
	1.17	1.16	1.21
Average Flow Rate (m ³ /minute)	1.17	1.16	1.21
Total Operation Time (Minutes)	480	480	480
Initial Weight of Filter Paper (gms.)	2.7695	2.7715	2.7663
Final Weight of Filter Paper (gms.)	2.9279	2.9606	2.9181
Dust Contents (gms.)	0.1584	0.1891	0.1518
Total Volume of Air Sampled (m ³)	561.6	556.8	580.8
Concentration (µg/m ³)	282.05	339.61	261.36
24 Hourly Average RSPM = 294.34 (µg/m ³)			
Remarks :			
Name & Signature of Official on Duty :	S.K. Khanna Lab. Asst. Grade-II	R.R. Tripathi J.L.A.	G. Tripathi Lab. Ahd. <i>Ganesh Tripathi</i>

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Deepanshu
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CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR PARTICULATE MATTER

Station : City Kotwali, Raipur		Date : 13.11.2012	
Shift :	Ist Shift	IInd Shift	IIInd Shift
Monitoring Period : Deepawali	06:00 AM -02:00 PM	02:00 PM -10:00 PM	10:00 PM -06:00 AM
Parameter : SPM	RSPM	RSPM	RSPM
Filter Paper No.	10	11	12
Hourly Flow Rate (m ³ /minute)			
	1.30	1.30	1.30
	1.30	1.30	1.25
	1.25	1.20	1.25
	1.25	1.20	1.20
	1.25	1.20	1.20
	1.20	1.15	1.20
	1.15	1.15	1.15
	1.15	1.10	1.15
	1.10	1.10	1.15
Average Flow Rate (m ³ /minute)	1.21	1.18	1.20
Total Operation Time (Minutes)	480	480	480
Initial Weight of Filter Paper (gms.)	2.7645	2.7584	2.7662
Final Weight of Filter Paper (gms.)	2.9019	3.0257	2.9167
Dust Contents (gms.)	0.1374	0.2673	0.1505
Total Volume of Air Sampled (m ³)	580.8	566.4	576.0
Concentration (µg/m ³)	236.57	471.92	261.28
24 Hourly Average RSPM =323.25 (µg/m ³)			

Remarks :

Name & Signature of Official on Duty : U.K. Mandal Ujjwal Mandal Incharge Chemist

Y.K. Bhaskar Lab Attd.

H.M. Tiwari Lab Asst. Grade -1

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CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR GASEOUS AIR POLLUTIONS

Annexure -II

Station : Jai Stambh Chowk, Yatayat Thana, Raipur		Date : 11.11.2012								
Shift :	Ist Shift			IInd Shift			IIIrd Shift			
	06:00 AM -10:00 AM	10:00 AM -02:00 PM	02:00 PM -06:00 PM	06:00 PM -10:00 PM	10:00 PM -02:00 AM	02:00 AM -06:00 AM	06:00 AM -10:00 AM	10:00 AM -02:00 AM	02:00 AM -06:00 AM	
Monitoring Period : Deepawali	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂
Hourly Flow Rate (lpm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Average Flow Rate (lpm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Total Operation Time (Minutes)	240	240	240	240	240	240	240	240	240	240
Initial Volume of Sample (ml)	30	30	30	30	30	30	30	30	30	30
Final Volume of Sample (ml)	25	25	25	25	25	25	25	25	25	25
Volume Taken For Analysis (ml)	10	10	10	10	10	10	10	10	10	10
Total Volume of Air Sampled (lit.)	240	240	240	240	240	240	240	240	240	240
Absorbance (Blank)	0.003	0.007	0.003	0.007	0.003	0.007	0.003	0.007	0.003	0.007
Absorbance (Sample)	0.013	0.043	0.014	0.046	0.019	0.055	0.021	0.058	0.018	0.052
Concentration (µg/m ³)	11.16	26.12	12.27	28.29	17.85	34.82	20.08	37.0	16.74	32.65
24 Hourly Average SO ₂ = 15.43 (µg/m ³)				24 Hourly Average NO ₂ = 31.07 (µg/m ³)						
Remarks :										
Name & Signature of Official on Duty :	S.K.Khanna Lab. Asst. Grade-II			R.R.Tripathi J.L.A.			G.Tripathi Lab Attd.			

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Radan
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CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR GASEOUS AIR POLLUTIONS

Station : City Korwali, Raipur		Date : 11.11.2012							
Shift :	Monitoring Period : Dhanteras	Ist Shift		IInd Shift		IIInd Shift			
		06:00 AM -10:00 AM	10:00 AM -02:00 PM	02:00 PM -06:00 PM	06:00 PM -10:00 PM	10:00 PM -02:00 AM	02:00 AM -06:00 AM		
Parameter :	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	
Hourly Flow Rate (lpm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Average Flow Rate (lpm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Total Operation Time (Minutes)	240	240	240	240	240	240	240	240	
Initial Volume of Sample (ml)	30	30	30	30	30	30	30	30	
Final Volume of Sample (ml)	25	25	25	25	25	25	25	25	
Volume Taken For Analysis (ml)	10	10	10	10	10	10	10	10	
Total Volume of Air Sampled (lit.)	240	240	240	240	240	240	240	240	
Absorbance (Blank)	0.003	0.007	0.003	0.007	0.003	0.007	0.003	0.007	
Absorbance (Sample)	0.021	0.071	0.023	0.074	0.027	0.084	0.029	0.087	
Concentration (µg/m ³)	20.08	46.43	22.32	48.61	26.78	55.87	29.01	58.04	
24 Hourly Average SO ₂ = 23.99 (µg/m ³)			24 Hourly Average NO ₂ = 50.78 (µg/m ³)						
Remarks :									
Name & Signature of Official on Duty :	Ujjwal Mandal Incharge Chemist		Y.K. Bhaskar Lab Attd.		H.M. Tiwari Lab Asst. Grade -I				

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Signature

CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR GASEOUS AIR POLLUTIONS

Annexure -II

Station : Jai Stambh Chowk, Yatayat Thana, Raipur		Date : 13.11.2012										
Shift :	1st Shift			IInd Shift			IIIrd Shift					
	06:00 AM -10:00 AM	10:00 AM -02:00 PM	02:00 PM -06:00 PM	06:00 PM -10:00 PM	10:00 PM -02:00 AM	02:00 AM -06:00 AM	06:00 AM -10:00 AM	10:00 AM -02:00 AM	02:00 AM -06:00 AM			
Parameter :	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂		
Hourly Flow Rate (lpm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Average Flow Rate (lpm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Total Operation Time (Minutes)	240	240	240	240	240	240	240	240	240	240		
Initial Volume of Sample (ml)	30	30	30	30	30	30	30	30	30	30		
Final Volume of Sample (ml)	25	25	25	25	25	25	25	25	25	25		
Volume Taken For Analysis (ml)	10	10	10	10	10	10	10	10	10	10		
Total Volume of Air Sampled (lit.)	240	240	240	240	240	240	240	240	240	240		
Absorbance (Blank)	0.003	0.007	0.003	0.007	0.003	0.007	0.003	0.007	0.003	0.007		
Absorbance (Sample)	0.018	0.056	0.019	0.059	0.024	0.064	0.026	0.067	0.022	0.061		
Concentration (µg/m ³)	16.74	35.55	17.85	37.73	23.43	41.35	25.66	43.53	21.20	39.18		
24 Hourly Average SO ₂ = 20.45 (µg/m ³)							24 Hourly Average NO ₂ = 38.93 (µg/m ³)					
Remarks :												
Name & Signature of Official on Duty :	S.K.Khanna Lab. Asst. Grade-II			R.R.Tripathi J.L.A.			G.Tripathi Lab Attnd.			G.Tripathi Lab Attnd.		

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G.Tripathi
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CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI
DATA SHEET FOR GASEOUS AIR POLLUTIONS

Annexure - II

Station : City Kotwali, Raipur		Date : 13.11.2012								
Shift :		Ist Shift				IInd Shift				
Monitoring Period : Deepawali		06:00 AM - 10:00 AM		10:00 AM - 02:00 PM		02:00 PM - 06:00 PM		06:00 PM - 10:00 PM		
Parameter :	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂	SO ₂	NO ₂
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Average Flow Rate (lpm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Total Operation Time (Minutes)	240	240	240	240	240	240	240	240	240	240
Initial Volume of Sample (ml)	30	30	30	30	30	30	30	30	30	30
Final Volume of Sample (ml)	25	25	25	25	25	25	25	25	25	25
Volume Taken For Analysis (ml)	10	10	10	10	10	10	10	10	10	10
Total Volume of Air Sampled (lit.)	240	240	240	240	240	240	240	240	240	240
Absorbance (Blank)	0.003	0.007	0.003	0.007	0.003	0.007	0.003	0.007	0.003	0.007
Absorbance (Sample)	0.023	0.074	0.025	0.077	0.028	0.088	0.030	0.090	0.027	0.079
Concentration (µg/m ³)	22.32	48.61	24.55	50.79	27.90	58.77	30.13	60.22	26.78	52.24
24 Hourly Average SO ₂ = 26.22 (µg/m ³)					24 Hourly Average NO ₂ = 53.32 (µg/m ³)					
Remarks :										
Name & Signature of Official on Duty :	<i>Y.K. Mandal</i> Ujjwal Mandal Incharge Chemist				<i>Y.K. Bhaskar</i> Y.K. Bhaskar Lab Attd.				<i>H.M. Tiwari</i> H.M. Tiwari Lab Asst. Grade - I	

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Sharma
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DATA SHEET FOR AMBIENT NOISE MONITORING ON DEEPAWALI DAY

Location : Jai Stambh Chowk, Raipur		Date : 11.11.2012	
Noise Level Meter			
Make	:	k d m instruments 4/5, Sarva Priya Vihar, New Delhi	
Model	:	33 Noise Level Meter Pulsar Instrument Ltd., UK	
Serial No.	:		
Calibration Result of Noise Level Meter			
Calibration		94 dB at 1000 Hz	114 dB at 1000 Hz
Initial			
Final			
Sampling rate			
S.No.	Time duration	File No.	L equivalent dB (A)
	18:00 Hrs. to 19:00 Hrs.		71.4
	19:00 Hrs. to 20:00 Hrs.		69.2
	20:00 Hrs. to 21:00 Hrs.		76.8
	21:00 Hrs. to 22:00 Hrs.		82.7
	22:00 Hrs. to 23:00 Hrs.		85.4
	23:00 Hrs. to 24:00 Hrs.		66.3
Average L equivalent dB (A) Between (18:00 to 24:00 Hrs.)			75.3
Name & Signature of Official on Duty			

L_{max} Between (18:00 to 24:00 Hrs.) 85.4

L_{min} Between (18:00 to 24:00 Hrs.) 66.3

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DATA SHEET FOR AMBIENT NOISE MONITORING ON DEEPAWALI DAY

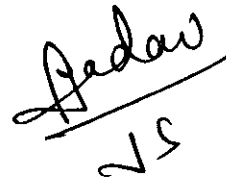
Location : City Kotwali, Raipur		Date : 11.11.2012	
Noise Level Meter			
Make	:	k d m instruments 4/5, Sarva Priya Vihar, New Delhi	
Model	:	33 Noise Level Meter Pulsar Instrument Ltd., UK	
Serial No.	:		
Calibration Result of Noise Level Meter			
Calibration	94 dB at 1000 Hz	114 dB at 1000 Hz	
Initial			
Final			
Sampling rate			
S.No.	Time duration	File No.	L equivalent dB (A)
	18:00 Hrs. to 19:00 Hrs.		69.7
	19:00 Hrs. to 20:00 Hrs.		76.1
	20:00 Hrs. to 21:00 Hrs.		84.3
	21:00 Hrs. to 22:00 Hrs.		88.3
	22:00 Hrs. to 23:00 Hrs.		92.7
	23:00 Hrs. to 24:00 Hrs.		79.1
Average L equivalent dB (A) Between (18:00 to 24:00 Hrs.)			81.7
Name & Signature of Official on Duty			

L_{max} Between (18:00 to 24:00 Hrs.) 92.7

L_{min} Between (18:00 to 24:00 Hrs.) 69.7

Ram Raj Tripathi




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DATA SHEET FOR AMBIENT NOISE MONITORING ON DEEPAWALI DAY

Location : Jai Stambh Chowk, Raipur		Date : 13.11.2012	
Noise Level Meter			
Make	:	k d m instruments 4/5, Sarva Priya Vihar, New Delhi	
Model	:	33 Noise Level Meter Pulsar Instrument Ltd., UK	
Serial No.	:		
Calibration Result of Noise Level Meter			
Calibration		94 dB at 1000 Hz	114 dB at 1000 Hz
Initial			
Final			
Sampling rate			
S.No.	Time duration	File No.	L equivalent dB (A)
	18:00 Hrs. to 19:00 Hrs.		91.4
	19:00 Hrs. to 20:00 Hrs.		110.7
	20:00 Hrs. to 21:00 Hrs.		115.7
	21:00 Hrs. to 22:00 Hrs.		113.4
	22:00 Hrs. to 23:00 Hrs.		99.2
	23:00 Hrs. to 24:00 Hrs.		88.7
Average L equivalent dB (A) Between (18:00 to 24:00 Hrs.)			103.18
Name & Signature of Official on Duty			

L_{\max} Between (18:00 to 24:00 Hrs.) 115.7

L_{\min} Between (18:00 to 24:00 Hrs.) 88.7

Ram Raj Turpathi



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DATA SHEET FOR AMBIENT NOISE MONITORING ON DEEPAWALI DAY

Location : City Kotwali, Raipur		Date : 13.11.2012	
Noise Level Meter			
Make	:	k d m instruments 4/5, Sarva Priya Vihar, New Delhi	
Model	:	33 Noise Level Meter Pulsar Instrument Ltd., UK	
Serial No.	:		
Calibration Result of Noise Level Meter			
Calibration	94 dB at 1000 Hz	114 dB at 1000 Hz	
Initial			
Final			
Sampling rate			
S.No.	Time duration	File No.	L equivalent dB (A)
	18:00 Hrs. to 19:00 Hrs.		109.7
	19:00 Hrs. to 20:00 Hrs.		117.7
	20:00 Hrs. to 21:00 Hrs.		119.4
	21:00 Hrs. to 22:00 Hrs.		116.1
	22:00 Hrs. to 23:00 Hrs.		107.4
	23:00 Hrs. to 24:00 Hrs.		102.3
Average L equivalent dB (A) Between (18:00 to 24:00 Hrs.)			112.1
Name & Signature of Official on Duty			

L_{max} Between (18:00 to 24:00 Hrs.) 119.4

L_{min} Between (18:00 to 24:00 Hrs.) 102.3

Ram Raj Tripathi



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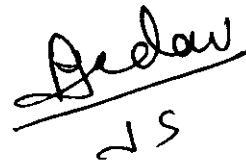
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Noise Level during Deepawali festival, 2012:

Location A Jai Stambh Chowk	Dhanteras Day -11.11.2012			Deepawali Day -13.11.2012		
	L min	L max	L eq dB (A)	L min	L max	L eq dB (A)
Time duration						
18:00 Hrs. to 19:00 Hrs.	60.0	80.2	71.4	70.0	108.7	91.4
19:00 Hrs. to 20:00 Hrs.	62.0	84.6	69.2	93.0	115.0	110.7
20:00 Hrs. to 21:00 Hrs.	70.5	85.0	76.8	95.6	119.1	115.7
21:00 Hrs. to 22:00 Hrs.	68.7	85.4	82.7	96.8	118.7	113.4
22:00 Hrs. to 23:00 Hrs.	72.0	90.0	85.4	95.0	115.3	99.2
23:00 Hrs. to 24:00 Hrs.	60.0	78.0	66.3	78.0	109.9	88.7

Noise Level during Deepawali festival, 2012:

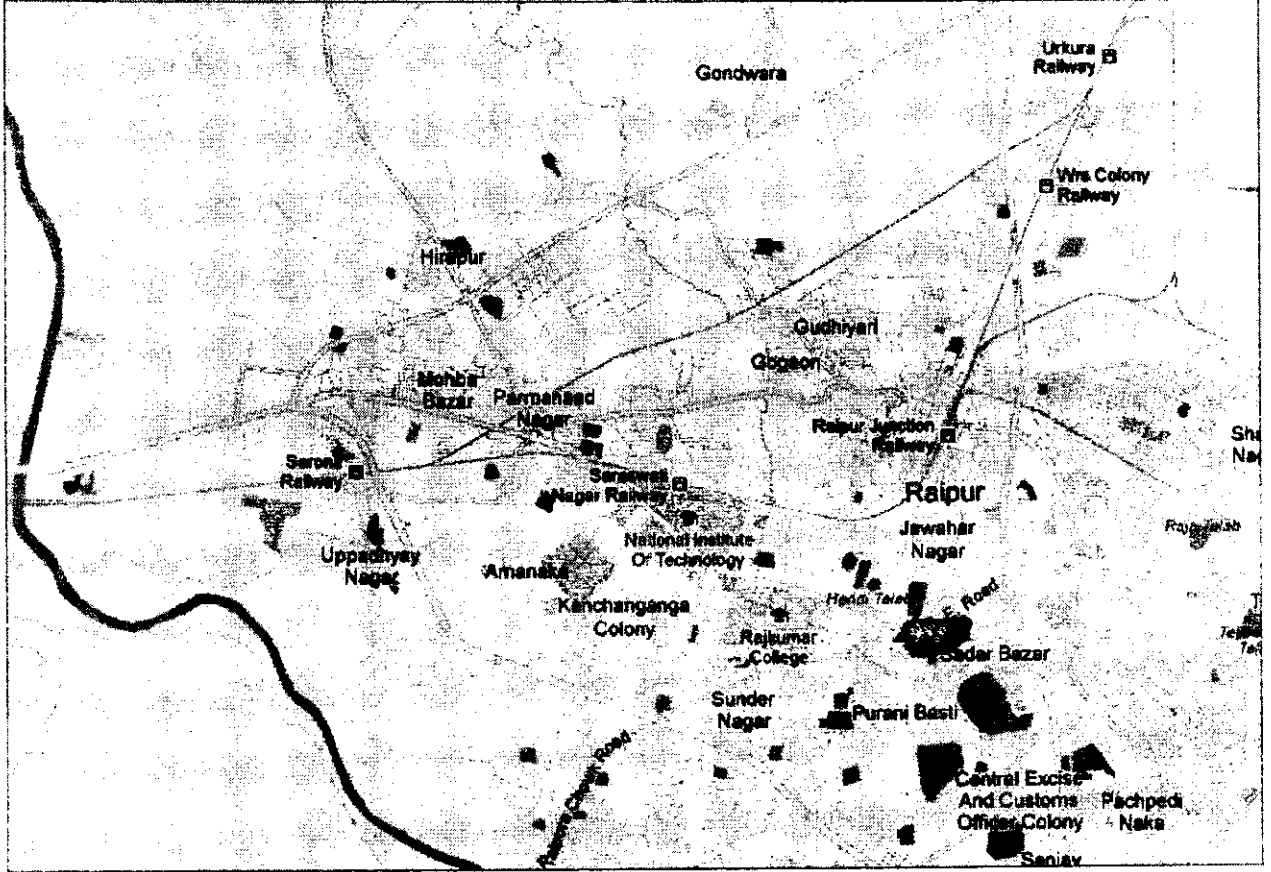
Location A City Kotwali	Dhanteras Day -11.11.2012			Deepawali Day -13.11.2012		
	L min	L max	L eq dB (A)	L min	L max	L eq dB (A)
Time duration						
18:00 Hrs. to 19:00 Hrs.	60.0	88.0	69.7	104.0	115.8	109.7
19:00 Hrs. to 20:00 Hrs.	72.0	90.0	76.1	103.0	119.1	117.7
20:00 Hrs. to 21:00 Hrs.	69.7	92.7	84.3	112.3	119.8	119.4
21:00 Hrs. to 22:00 Hrs.	73.0	91.1	88.3	113.4	119.4	116.1
22:00 Hrs. to 23:00 Hrs.	75.0	98.0	92.7	103.2	113.9	107.4
23:00 Hrs. to 24:00 Hrs.	70.0	86.0	79.1	97.3	108.0	102.3

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स्क्रीन पर दिख रहे सभी विवरण देखने के लिए, नक्शे के आगे प्रिंट लिंक का प्रयोग करें.



jai stambh chouk रायपुर, के लिए रायपुर जिला, छत्तीसगढ़ के पास के लिए आपकी खोज से कोई स्थल मेल नहीं खाता.
सुझाव

- सुनिश्चित करें कि सभी शब्दों की वर्तनी सही है.
- विभिन्न कुंजी शब्द आजमाएँ.
- अधिक सामान्य कुंजी शब्द आजमाएँ.
- jai stambh chouk रायपुर, रायपुर जिला, छत्तीसगढ़ के लिए वेब पर खोज करें.
- क्या आप इस स्थान के बारे में जानते हैं और चाहते हैं कि सब इसे ढूँढ पाएँ? उसे Google नक्शे में जोड़ें!

Location

1. Jai Stambh Chouk, Raipur.
2. City Kotwali, Raipur.

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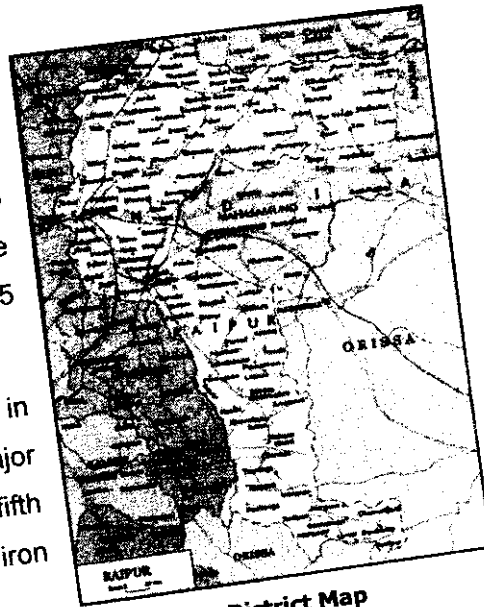
CITY DEVELOPMENT FRAMEWORK AND PROCESS



1.1 RAIPUR- A PROFILE

Raipur became the capital of the State of Chhattisgarh on 1st November 2000 when Chhattisgarh was carved out of the south-eastern parts of undivided Madhya Pradesh. Uttar Pradesh and Jharkhand in the north, Orissa in the east, Andhra Pradesh in the south and by Madhya Pradesh and Maharashtra in the west, bound the state.

Raipur is the capital city of the recently formed state of Chhattisgarh, carved out of the erstwhile state of Madhya Pradesh. The city is also the head quarter of Raipur District. Raipur District is situated between 21°14'N to 22°33'N latitude and 81°38'E to 82°6'E longitude. The district is administratively divided into 13 Tehsils and 15 revenue blocks.



Raipur District Map

Chhattisgarh is the richest Stat, in the union of India, in terms of mineral wealth, with 28 varieties of major minerals, including diamonds. All the tin ore in India, a fifth of iron ore in the country and one of the best quality iron

ore deposits in the world are found in the Bailadila mines in south Chattisgarh. Rich deposits of Bauxite, Limestone, Dolomite and Corundum are found in the State. The State has large deposits of coal, iron ore and limestone in close proximity, making it the ideal location for the lowest cost of production. Raipur, being the capital of Chattisgarh, is positioned to support the mineral based industries.

Chhattisgarh is a land of opportunities and is endowed with huge mineral deposits and forest resources. By virtue of its coal reserves, the state is poised to become the power hub of the nation. Identified as one of the richest bio-diversity habitats, Chhattisgarh has the densest forests in India, and above all, over 200 non-timber forest produces, with tremendous potential for value addition. There are mega industries in steel, aluminium and cement already functioning in the near vicinity of Raipur even before Chhattisgarh was declared a separate



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state. After the new state was formed, the city is also gradually emerging as an educational hub.

Chhattisgarh has the largest concentration of schedule tribes (STs) in the country. As a result, the city of Raipur has a fair share of its population belonging to schedule tribes. Besides the native population, the city has a significant number of migrants from other parts of the country owing to its multi disciplinary functional characteristics.

The major issue of Raipur's future growth pertains to the growth of the city as the state capital. The state government is in the process of establishing the capitol functions in a greenfield area and its integration with Raipur, the primate city of the state. The state government has initiated activities on an area of about one thousand hectares near village Kotarabhata, Kuhera and Rakhi in Mandir Hansad Assembly constituency for locating the capitol functions. The new capital township is envisaged to develop as a satellite town of Raipur. Apart from the capitol functions, Raipur's regional primacy as a commercial, industrial and educational centre needs to be addressed from a future perspective of the regional development.

The city is located in the fertile plains of Chhattisgarh Region. The major constituents of the soil are silt, clay and sand. The general slope of the land is towards north. Mahanadi is the primary river of the region. Water supply to the city is from the Kharun River, a tributary of Mahanadi that has been dammed at Mahadeo Ghat. The climate of Raipur is warm. The mean maximum temperature in May is 46.4 °C. Relative Humidity is generally over 75%. Rainfall observations indicate that annual rainfall in the area is around 1400 mm.

The foremost issue of urban growth in Raipur pertains to its growth as the state capital with appropriate city cynosures. Apart from the state capitol functions, of late the city has also emerged as a major commercial, educational and industrial centre in the region. Integration of Durg city (head quarter of Durg district) with Raipur has been a concern for long. The market forces and urbanization trend has already vested dense ribbon development along Raipur-Durg corridor (NH-6) posing traffic bottlenecks. With the added importance of capitol functions in Raipur, the trend is likely to intensify and pose further problems in this corridor.

1.2 CITY DEVELOPMENT STRATEGY

The urban agglomeration, with growth in population is putting heavy pressure on services and the urban local bodies are not been able to

Mission Statement: The aim is to encourage reforms and fast track planned development of identified cities. Focus is to be on efficiency in urban infrastructure and service delivery mechanisms, community participation, and accountability of urban local



Population of Raipur district
according 2001 - 1636301
Urban population - 823276
Rural population - 813025

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