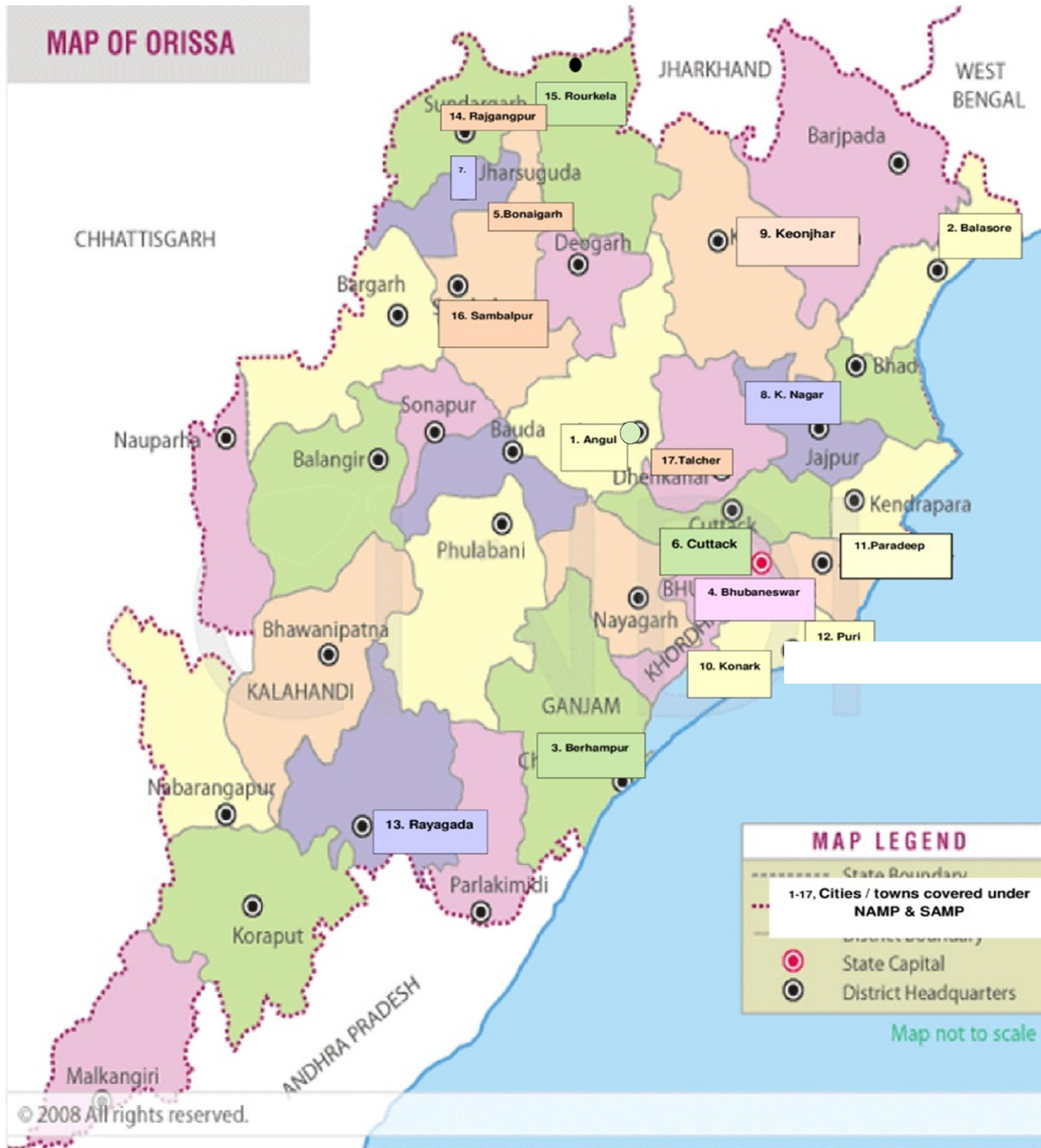


AMBIENT NOISE LEVEL AND AIR QUALITY DURING DEEPAWALI, 2020 OF MAJOR CITIES / TOWNS OF ODISHA



AMBIENT AIR QUALITY STANDARDS IN RESPECT OF NOISE

Category of Area/Zone	Limits in dB(A) Leq	
	Day Time (6.00 a.m. - 10.00 p.m.)	Night Time (10.00 p.m. - 6.00 a.m.)
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

NATIONAL AMBIENT AIR QUALITY STANDARDS (24 HOURLY)

SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
80	80	100	60

**AMBIENT NOISE LEVEL ON PRE- DEEPAWALI & ON THE DAY OF DEEPAWALI, 2020
OF MAJOR CITIES/TOWNS OF ODISHA**

1. ANGUL

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Amalapada	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			37.1	75.1	60.4	59.0	45.4	86.2	66.2	63.5	D	55
19:00 to 20:00 Hr			46.5	86.4	62.5							
20:00 to 21:00 Hr			47.4	76.1	58.6							
21:00 to 22:00 Hr		47.8	72.0	54.5								
22:00 to 23:00 Hr		N	34.7	68.6	47.3	43.2	58.1	70.3	46.2	42.6	N	45
23:00 to 24:00 Hr			36.3	64.7	39.2		34.0	64.5	39.1			

Location : B Bazar Chhak	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			45.6	74.4	63.8	60.9	52.6	83.6	62.8	62.2	D	65
19:00 to 20:00 Hr			45.2	78.2	61.3							
20:00 to 21:00 Hr			36.2	72.0	60.1							
21:00 to 22:00 Hr		38.6	74.3	58.6								
22:00 to 23:00 Hr		N	34.2	65.1	42.5	40.4	40.6	66.4	43.4	40.5	N	55
23:00 to 24:00 Hr			32.9	63.0	38.4		36.1	64.2	37.6			

Location : C District Head Quarter Hospital	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			52.8	91.6	72.5	68.9	60.1	94.2	73.6	70.0	D	50
19:00 to 20:00 Hr			62.5	86.9	75.2							
20:00 to 21:00 Hr			56.2	85.2	68.2							
21:00 to 22:00 Hr		43.3	84.5	59.9								
22:00 to 23:00 Hr		N	43.1	66.4	54.6	50.7	48.0	68.2	56.2	52.3	N	40
23:00 to 24:00 Hr			38.6	61.2	46.8		36.5	64.3	48.4			

Location : D Hakimpada	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			46.7	78.4	65.9	63.4	44.9	85.8	64.9	64.8	D	75
19:00 to 20:00 Hr			48.5	82.1	65.5							
20:00 to 21:00 Hr			44.9	82.6	62.2							
21:00 to 22:00 Hr		32.4	71.6	60.1								
22:00 to 23:00 Hr		N	39.4	68.9	56.9	55.1	46.4	72.6	56.8	54.7	N	70
23:00 to 24:00 Hr			36.0	67.5	53.4		42.3	66.8	52.7			

2. BALASORE

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Sahadevkhunta	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	55
18:00 to 19:00 Hr			40.4	69.2	55.3	56.2	47.3	88.0	58.5	64.2		
19:00 to 20:00 Hr			40.6	66.5	53.4		49.9	78.3	66.4			
20:00 to 21:00 Hr			46.9	73.8	59.5		39.5	83.0	68.6			
21:00 to 22:00 Hr		43.0	68.3	56.8	41.4		85.3	63.4				
22:00 to 23:00 Hr		N	33.6	61.3	48.9	46.4	26.7	63.7	51.5	49.2	N	45
23:00 to 24:00 Hr			29.8	59.3	43.9		30.3	69.0	46.9			

Location : B Motiganj	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	65
18:00 to 19:00 Hr			62.8	93.8	77.1	72.7	60.5	84.6	79.8	76.1		
19:00 to 20:00 Hr			58.2	81.6	67.1		57.2	88.9	72.5			
20:00 to 21:00 Hr			44.5	89.5	70.0		57.5	92.6	77.2			
21:00 to 22:00 Hr		55.1	94.3	76.6	60.2		92.7	75.2				
22:00 to 23:00 Hr		N	52.8	82.1	69.6	65.8	55.7	87.9	71.3	67.2	N	55
23:00 to 24:00 Hr			44.6	75.5	62.0		45.1	68.8	63.2			

Location : C District Head Quarter Hospital	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	50
18:00 to 19:00 Hr			44.1	67.9	53.1	55.5	45.6	71.1	55.3	57.8		
19:00 to 20:00 Hr			43.5	70.0	49.3		45.6	66.2	52.5			
20:00 to 21:00 Hr			47.3	68.2	66.1		44.3	81.7	67.0			
21:00 to 22:00 Hr		41.3	61.4	53.8	40.5		64.5	56.4				
22:00 to 23:00 Hr		N	40.4	58.2	47.6	46.1	28.5	68.1	52.3	50	N	40
23:00 to 24:00 Hr			26.8	52.5	44.6		26.5	57.7	47.7			

Location : D Balasore Industrial Estate	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Leq dB(A)	D	75
18:00 to 19:00 Hr			44.2	67.5	53.4	59.9	42.0	76.5	62.8	63.8		
19:00 to 20:00 Hr			42.9	51.7	63.1		48.4	82.6	66.7			
20:00 to 21:00 Hr			55.3	78.1	65.2		54.4	77.2	68.9			
21:00 to 22:00 Hr		43.5	75.1	57.9	40.7		78.0	57.0				
22:00 to 23:00 Hr		N	43.2	71.0	54.2	47.7	32.5	56.4	55.7	54.8	N	70
23:00 to 24:00 Hr			29.9	64.7	41.2		25.6	66.2	53.9			

3. BERHAMPUR

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Brahmanagar	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			37.0	86.5	61.4	52.9	59.1	71.1	64.6	63.8	D	55
19:00 to 20:00 Hr			40.5	74.0	51.8		43.4	79.6	64.0			
20:00 to 21:00 Hr			37.2	57.1	45.8		41.4	78.2	61.2			
21:00 to 22:00 Hr		41.7	64.1	52.9	59.2		77.4	65.7				
22:00 to 23:00 Hr		N	37.7	64.3	45.6	45.4	39.8	66.6	46.3	44.9	N	45
23:00 to 24:00 Hr		43.0	53.1	45.2	40.2	74.5	43.5					

Location : B Girija Market square	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			66.6	89.2	76.1	69.1	56.0	104.7	77.9	75.5	D	65
19:00 to 20:00 Hr			62.7	77.0	69.0		63.2	103.7	78.9			
20:00 to 21:00 Hr			60.5	74.4	67.1		66.3	106.5	70.6			
21:00 to 22:00 Hr		50.9	76.7	64.3	62.3		98.7	74.6				
22:00 to 23:00 Hr		N	46.4	81.0	66.4	63.1	51.2	85.6	71.2	65.7	N	55
23:00 to 24:00 Hr		51.4	70.3	59.8	50.2	76.5	60.2					

Location : C MKCG Medical College Hospital Campus	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			46.2	69.5	52.7	60.4	35.6	64.3	49.7	55.9	D	75
19:00 to 20:00 Hr			43.3	86.6	63.7		40.2	62.3	51.2			
20:00 to 21:00 Hr			43.3	76.1	65.4		38.7	67.5	64.5			
21:00 to 22:00 Hr		45.6	73.4	59.8	42.3		71.2	58.4				
22:00 to 23:00 Hr		N	42.8	65.6	51.8	53.2	36.6	65.5	54.3	53.2	N	70
23:00 to 24:00 Hr		35.8	73.0	54.6	38.2	68.5	52.2					

Location : D Industrial Estate, Ankuli	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			54.3	90.8	70.4	64.7	45.7	85.3	63.8	60.5	D	75
19:00 to 20:00 Hr			55.0	89.7	70.7		54.3	88.2	62.8			
20:00 to 21:00 Hr			58.5	76.8	66.4		55.5	84.5	60.2			
21:00 to 22:00 Hr		42.5	61.8	51.5	40.2		78.6	55.3				
22:00 to 23:00 Hr		N	43.2	70.4	56.2	54.0	44.6	74.5	52.3	52.7	N	70
23:00 to 24:00 Hr		38.2	61.5	51.8	39.2	63.5	53.2					

4. BHUBANESWAR

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location: A Nayapalli	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			52.9	82.7	63.2	65.4	48.6	68.6	55.6	65.5	D	55
19:00 to 20:00 Hr			50.9	83.9	59.5		44.4	63.3	53.4			
20:00 to 21:00 Hr			52.1	81.5	69.0		56.2	94.3	74.0			
21:00 to 22:00 Hr		48.3	91.9	69.8	55.6		98.2	79.0				
22:00 to 23:00 Hr		N	35.1	73.6	53.9	53.0	49.7	111.6	86.5	83.0	N	45
23:00 to 24:00 Hr			37.4	63.0	52.2		45.5	105.3	79.6			

Location: B Sahid Nagar	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			57.8	89.7	74.2	74.1	62.7	91.1	73.3	73.2	D	65
19:00 to 20:00 Hr			58.1	88.3	78.1		64.9	84.4	72.2			
20:00 to 21:00 Hr			55.6	94.6	77.1		48.2	107.6	85.9			
21:00 to 22:00 Hr		39.7	88.8	67.0	58.0		80.0	61.5				
22:00 to 23:00 Hr		N	41.1	72.0	58.4	57.5	46.3	90.4	77.1	74.8	N	55
23:00 to 24:00 Hr			38.8	70.9	56.6		47.5	91.2	72.5			

Location: C Capital Hospital	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			35.2	67.8	49.6	48.9	40.1	69.6	50.9	59.0	D	50
19:00 to 20:00 Hr			29.4	67.6	48.7		42.4	81.0	58.7			
20:00 to 21:00 Hr			40.6	76.3	53.3		53.8	71.0	59.3			
21:00 to 22:00 Hr		41.7	50.3	44.2	57.3		90.7	67.0				
22:00 to 23:00 Hr		N	43.2	57.3	48.9	45.9	46.1	56.4	47.5	51.8	N	40
23:00 to 24:00 Hr			41.1	51.7	42.9		46.8	80.9	56.1			

Location: D Rasulgarh	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			50.1	80.6	64.8	67.6	53.2	86.9	65.6	70.0	D	75
19:00 to 20:00 Hr			57.1	84.2	68.7		58.1	87.0	66.2			
20:00 to 21:00 Hr			44.4	79.6	64.5		55.4	106.3	75			
21:00 to 22:00 Hr		63.7	81.6	72.6	50.3		116.0	73.2				
22:00 to 23:00 Hr		N	42.5	67.3	60.0	56.5	47.0	114.0	64.2	62.2	N	70
23:00 to 24:00 Hr			38.6	68.1	53.0		46.7	112.0	60.3			

5. CUTTACK

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Suryavihar Link Road	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Residential	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)		
18:00 to 19:00 Hr		D	49.5	85.9	67.1	64.7	44.5	85.7	67.1	67.3	D	55
19:00 to 20:00 Hr			37.8	86.0	68.0		39.8	88.0	67.1			
20:00 to 21:00 Hr			38.1	76.4	59.2		49.3	81.2	61.9			
21:00 to 22:00 Hr			45.2	87.2	64.6		47.3	92.7	72.9			
22:00 to 23:00 Hr		N	43.5	84.1	65.7	64.5	53.8	88.5	72.0	70.3	N	45
23:00 to 24:00 Hr			36.3	82.4	63.4		54.4	84.7	68.6			

Location : B Badambadi	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Commercial	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)		
18:00 to 19:00 Hr		D	61.7	87.6	70.4	67.0	59.7	85.8	73.7	70.7	D	65
19:00 to 20:00 Hr			61.4	81.2	66.7		59.9	86	71.6			
20:00 to 21:00 Hr			41.6	74.8	65.1		38.2	90.5	72.2			
21:00 to 22:00 Hr			46.2	90.3	65.7		46.8	78.3	65.2			
22:00 to 23:00 Hr		N	54.5	90.2	70.9	72.5	48.8	78.5	66.3	68.2	N	55
23:00 to 24:00 Hr			60.8	90.7	74.2		55.7	93.1	70.1			

Location : C SCB Medical College & Hospital	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Silence	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)		
18:00 to 19:00 Hr		D	51.9	80.1	66.3	65.1	44.1	81.5	65.0	63.5	D	50
19:00 to 20:00 Hr			39.1	78.9	63.4		54.9	77.8	63.8			
20:00 to 21:00 Hr			57.1	89.9	67.7		46.4	77.9	57.2			
21:00 to 22:00 Hr			43.9	79.2	63.0		39.3	87.6	67.9			
22:00 to 23:00 Hr		N	56.1	79.8	65.4	53.4	58.6	89.1	72.3	66.5	N	40
23:00 to 24:00 Hr			34.0	63.5	41.3		55.4	81.5	60.7			

Location : D Khapuria Industrial Estate	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Industrial	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)		
18:00 to 19:00 Hr		D	58.3	79.5	68.3	66.5	43.4	83.6	65.9	65.9	D	75
19:00 to 20:00 Hr			38.7	85.7	65.2		49.8	95.1	67.9			
20:00 to 21:00 Hr			40.0	87.4	67.2		50.7	81.3	63.8			
21:00 to 22:00 Hr			43.3	91.1	65.4		46.2	86.0	65.9			
22:00 to 23:00 Hr		N	42.1	81.4	62.1	64.1	60.8	78.6	61.1	59.3	N	70
23:00 to 24:00 Hr			31.0	83.1	66.1		54.1	71.8	57.6			

6. JHARSUGUDA

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Cox Colony	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			31.2	78.8	56.2	53.0	42.7	88.7	70.2	67.2	D	55
19:00 to 20:00 Hr			26.8	79.6	52.8		41.8	81.2	67.8			
20:00 to 21:00 Hr			23.8	72.2	51.6		41.7	87.2	69.9			
21:00 to 22:00 Hr			26.1	76.8	51.4		39.6	73.2	61.1			
22:00 to 23:00 Hr		23.7	70.0	47.6	35.8		84.0	68.0				
23:00 to 24:00 Hr		N	20.9	41.0	31.5	39.5	31.9	68.6	46.9	57.4	N	45

Location :B Near JhandaChowk	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			55.0	78.5	58.5	65.3	55.2	97.3	73.9	71.1	D	65
19:00 to 20:00 Hr			52.8	81.4	70.0		55.4	98.8	74.3			
20:00 to 21:00 Hr			42.8	91.3	63.7		49.5	90.9	67.8			
21:00 to 22:00 Hr			32.2	93.5	69.3		40.0	93.4	68.6			
22:00 to 23:00 Hr		42.1	81.6	60.2	51.1		91.2	69.2				
23:00 to 24:00 Hr		N	45.1	78.9	66.6	63.4	53.4	87.6	74.5	71.8	N	55

Location : C Near Covid Hospital	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			40.3	86.2	64.9	61.8	44.5	73.9	68.1	65.1	D	50
19:00 to 20:00 Hr			37.6	78.8	63.4		46.3	64.2	60.5			
20:00 to 21:00 Hr			33.0	90.6	62.7		46.7	60.6	62.3			
21:00 to 22:00 Hr			29.4	82.9	56.2		43.1	85.8	69.5			
22:00 to 23:00 Hr		37.4	81.0	58.9	55.1		30.9	75.0	65.7			
23:00 to 24:00 Hr		N	33.9	62.1	51.3	55.1	29.3	64.3	64.1	64.9	N	40

Location : D Near Bombay Chowk	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			54.7	88.0	78.3	68.4	35.6	81.0	60.5	64.3	D	75
19:00 to 20:00 Hr			52.5	87.7	70.8		38.5	82.5	65.2			
20:00 to 21:00 Hr			41.4	82.0	66.9		36.3	87.3	69.8			
21:00 to 22:00 Hr			26.8	82.0	57.8		39.8	79.0	61.9			
22:00 to 23:00 Hr		41.9	68.3	53.8	48.0		38.6	88.5	65.6			
23:00 to 24:00 Hr		N	25.1	73.7	42.3	48.0	38.2	78.5	63.9	64.7	N	70

7. KALINGANAGAR

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Sapagadia	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	55
18:00 to 19:00 Hr			55.3	90.1	69.5	65.1	45.0	80.2	62.9	63.4		
19:00 to 20:00 Hr			29.4	86.5	54.6		48.0	78.7	61.4			
20:00 to 21:00 Hr			29.7	88.5	64.8		44.0	76.6	57.5			
21:00 to 22:00 Hr		50.6	89.3	71.5	28.8		89.4	71.9				
22:00 to 23:00 Hr		N	43.2	83.7	72.3	72.5	42.9	84.2	65.4	58.7	N	45
23:00 to 24:00 Hr			44.0	81.0	72.7	36.6	74.4	52.0				

Location : B GopabandhuC howk	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	65
18:00 to 19:00 Hr			55.5	88.5	73.6	77.4	60.8	92.4	76.5	75.3		
19:00 to 20:00 Hr			32.3	94.0	77.9		60.3	94.5	81.2			
20:00 to 21:00 Hr			61.4	98.0	79.2		24.6	93.5	69.6			
21:00 to 22:00 Hr		55.8	86.9	79.0	39.7		91.6	74.1				
22:00 to 23:00 Hr		N	53.9	96.9	72.9	72.9	46.8	94.3	67.6	60.9	N	55
23:00 to 24:00 Hr			56.4	87.2	73.9	36.9	76.4	54.2				

Location : C CHC Hospital Premises, Jajpur road	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	50
18:00 to 19:00 Hr			23.9	85.7	63.4	66.9	45.2	83.9	66.4	66.5		
19:00 to 20:00 Hr			26.3	87.7	56.3		46.9	87.8	75.3			
20:00 to 21:00 Hr			31.4	90.0	70.3		30.0	86.5	62.5			
21:00 to 22:00 Hr		22.2	93.0	77.9	27.3		89.4	62.1				
22:00 to 23:00 Hr		N	54.8	96.7	71.7	67.7	40.3	79.0	67.6	63.5	N	40
23:00 to 24:00 Hr			55.1	74.8	63.7	36.5	83.8	59.4				

Location : D Kalinganagar Industrial Complex	Zone	Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard		
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	75
18:00 to 19:00 Hr			39.4	91.7	79.4	77.0	59.1	91.7	75.9	70.4		
19:00 to 20:00 Hr			61.4	89.2	79.4		37.9	84.1	64.9			
20:00 to 21:00 Hr			50.9	88.0	71.8		41.9	86.4	64.1			
21:00 to 22:00 Hr		61.9	89.8	77.7	56.3		86.5	76.8				
22:00 to 23:00 Hr		N	60.7	91.7	79.0	81.3	50.3	95.0	69.2	60.1	N	70
23:00 to 24:00 Hr			54.8	94.0	83.6	35.0	72.7	51.0				

8. KEONJHAR

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Baniapatchowk	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			31.9	76.2	52.3	60.6	51.9	101.3	79.0	73.1	D	55
19:00 to 20:00 Hr			32.7	77.2	60.1		32.6	95.8	66.1			
20:00 to 21:00 Hr			43.7	82.7	66.2		51.7	88.7	74.4			
21:00 to 22:00 Hr		39.9	85.8	63.8	48.2		93.0	73.0				
22:00 to 23:00 Hr		N	38.5	79.8	59.1	52.0	37.8	100.6	68.7	74.2	N	45
23:00 to 24:00 Hr			26.7	67.5	45.0		35.0	112.9	79.8			

Location :B Punjabi Chowk	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			43.4	84.4	61.9	68.0	58.2	96.1	73.2	71.5	D	65
19:00 to 20:00 Hr			45.3	93.0	67.4		42.5	92.3	66.5			
20:00 to 21:00 Hr			46.5	95.0	70.2		43.5	91.3	68.4			
21:00 to 22:00 Hr		57.0	88.3	72.5	51.9		106.7	77.9				
22:00 to 23:00 Hr		N	39.2	84.8	60.2	54.6	40.2	98.9	69.2	60.4	N	55
23:00 to 24:00 Hr			26.2	72.4	49.0		46.4	78.6	51.7			

Location : C DHQ Hospital	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			35.1	82.4	62.1	61.2	45.3	83.6	66.9	65.4	D	50
19:00 to 20:00 Hr			35.2	80.0	59.3		38.5	82.4	64.2			
20:00 to 21:00 Hr			36.4	82.0	63.5		36.0	82.2	61.6			
21:00 to 22:00 Hr		35.2	82.5	60.2	40.3		84.3	69.2				
22:00 to 23:00 Hr		N	26.1	69.2	51.0	48.3	33.7	88.5	67.7	60.4	N	40
23:00 to 24:00 Hr			26.1	61.0	45.7		40.8	76.2	53.2			

Location : D Drupada I/E	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			42.9	88.1	62.1	67.1	51.1	95.8	73.6	73.4	D	75
19:00 to 20:00 Hr			40.1	88.0	63.9		35.4	96.0	68.4			
20:00 to 21:00 Hr			48.5	85.0	66.6		47.8	94.8	72.4			
21:00 to 22:00 Hr		50.7	95.0	75.9	52.0		106.7	79.2				
22:00 to 23:00 Hr		N	45.8	92.7	70.5	62.1	43.6	101.2	66.1	67.6	N	70
23:00 to 24:00 Hr			26.7	75.2	53.7		46.0	101.9	69.2			

9. Konark

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location: A Madhipur	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	55
18:00 to 19:00 Hr			32.8	63.3	44.8	47.1	38.0	75.2	58.4	56.1		
19:00 to 20:00 Hr			32.3	61.7	47.1		38.9	67.8	51.8			
20:00 to 21:00 Hr			32.2	60.1	46.8		39.1	81.9	62.3			
21:00 to 22:00 Hr		32.4	61.8	49.8	38.2		69.3	51.8				
22:00 to 23:00 Hr		N	34.5	63.3	45.4	44.2	35.8	69.1	48.4	46.1	N	45
23:00 to 24:00 Hr			34.2	57.1	43.0		34.4	52.2	43.9			

Location: B NAC Market	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	65
18:00 to 19:00 Hr			49.1	72.1	59.4	57.7	41.4	73.4	60.5	60.6		
19:00 to 20:00 Hr			48.7	68.2	55.7		44.9	67.5	62.5			
20:00 to 21:00 Hr			47.7	73.0	56.5		41.8	82.0	63.1			
21:00 to 22:00 Hr		46.1	78.9	59.3	44.0		64.8	56.3				
22:00 to 23:00 Hr		N	39.3	77.4	57.0	53.3	47.1	70.6	56.4	56.4	N	55
23:00 to 24:00 Hr			40.5	60.7	49.7		38.7	65.8	56.5			

Location: C Public Health Centre	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	50
18:00 to 19:00 Hr			33.9	64.4	49.9	48.4	35.7	69.8	50.1	45.5		
19:00 to 20:00 Hr			34.2	65.3	49.1		35.9	56.7	43.6			
20:00 to 21:00 Hr			32.9	59.2	44.9		36.6	60.8	44.5			
21:00 to 22:00 Hr		34.1	64.7	49.6	35.4		55.0	43.9				
22:00 to 23:00 Hr		N	35.2	35.2	52.1	46.6	35.5	54.6	42.8	42.9	N	40
23:00 to 24:00 Hr			33.7	54.2	41.2		34.3	54.1	43.1			

10. PARADEEP

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Madhuban Paradeep	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			42.8	65.6	43.8	50.8	44.2	68.8	46.4	54.0	D	55
19:00 to 20:00 Hr			52.9	72.4	54.4		51.6	76.4	56.8			
20:00 to 21:00 Hr			36.8	74.2	56.2		47.8	78.2	60.4			
21:00 to 22:00 Hr		41.6	70.8	48.8	48.4		72.6	52.6				
22:00 to 23:00 Hr		N	44.4	74.2	55.6	49.4	79.2	59.2	59	N	45	
23:00 to 24:00 Hr			46.2	75.6	56.2	55.9	48.2	78.8				58.8

Location :B Badapadia Market Paradeep	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			55.6	72.8	62.7	63.5	52.1	81.1	65.4	65.7	D	65
19:00 to 20:00 Hr			53.8	73.6	61.2		54.2	82.7	63.2			
20:00 to 21:00 Hr			44.9	71.4	64.4		49.6	84.0	66.6			
21:00 to 22:00 Hr		47.6	76.2	65.8	50.9		86.1	67.6				
22:00 to 23:00 Hr		N	48.2	74.4	63.6	48.4	84.3	59.4	58.9	N	55	
23:00 to 24:00 Hr			56.4	75.2	67.4	65.5	50.4	81.6				58.4

Location : C Bijumemorial Hospital, Paradeep	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			45.0	76.2	59.1	57.1	48.8	78.8	61.8	63.8	D	50
19:00 to 20:00 Hr			52.4	60.6	58.4		51.6	74.2	65.2			
20:00 to 21:00 Hr			43.8	66.8	54.2		44.6	70.8	64.6			
21:00 to 22:00 Hr		38.2	70.8	56.8	46.8		72.2	63.8				
22:00 to 23:00 Hr		N	40.2	65.6	50.4	51.0	41.6	66.8	56.2	54.3	N	40
23:00 to 24:00 Hr			42.6	64.8	51.6	38.9	61.4	52.4				

Location : D IFFCO Paradeep	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			52.1	67.6	58.6	59.4	50.4	78.6	62.8	64.7	D	50
19:00 to 20:00 Hr			42.8	66.2	59.4		49.6	71.8	63.6			
20:00 to 21:00 Hr			45.4	65.8	61.2		51.2	74.2	65.4			
21:00 to 22:00 Hr		48.8	68.2	58.4	52.4		76.8	67.2				
22:00 to 23:00 Hr		N	44.6	66.8	61.9	56.3	45.4	82.2	64.4	61.6	N	40
23:00 to 24:00 Hr			41.2	67.4	50.8	54.2	80.6	58.8				

11. PURI

Location: A Kumutisahi, Old Sadarlane, Puri	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	55
18:00 to 19:00 Hr			64	79	72	71.2	53.1	85.1	67.0	63.6		
19:00 to 20:00 Hr			68	83	78		53.5	89.1	68.3			
20:00 to 21:00 Hr			59	80	70		48.6	79.2	63.0			
21:00 to 22:00 Hr		55	74	65	31.5		74.1	56.2				
22:00 to 23:00 Hr		N	53	70	60	58.5	32.0	72.3	56.6	55.7	N	45
23:00 to 24:00 Hr			52	63	57		33.1	68.9	54.8			

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location: B Sri Mandir, Puri	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	65
18:00 to 19:00 Hr			64	89	78	78.2	47.1	97.9	74.5	75.3		
19:00 to 20:00 Hr			71	92	83		47.8	97.9	73.6			
20:00 to 21:00 Hr			70	90	80		49.8	96.3	72.9			
21:00 to 22:00 Hr		68	85	72	50.6		98.1	80.3				
22:00 to 23:00 Hr		N	63	77	68	66.5	41.2	89.8	66.2	63.8	N	55
23:00 to 24:00 Hr			59	74	65		31.6	79.7	61.5			

Location: C District Head Quarter Hospital	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	50
18:00 to 19:00 Hr			62	74	68	65.5	54.0	83.5	62.3	61.7		
19:00 to 20:00 Hr			58	72	69		51.8	75.5	60.2			
20:00 to 21:00 Hr			56	70	64		52.3	82.5	62.3			
21:00 to 22:00 Hr		54	69	61	53.1		71.3	62.1				
22:00 to 23:00 Hr		N	52	65	59	58.5	39.3	74.5	55.4	53.9	N	40
23:00 to 24:00 Hr			49	67	58		33.1	69.8	52.4			

12. RAYAGADA

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location :A Indira Nagar	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	55
18:00 to 19:00 Hr			18.8	92.7	65.7	68.3	34.1	84.4	66.7	68.3		
19:00 to 20:00 Hr			41.7	96.7	73.4		28.6	85.3	68.8			
20:00 to 21:00 Hr			37.2	94.9	68.4		58.1	88.5	69.0			
21:00 to 22:00 Hr		47.8	84.3	65.8	54.6		83.2	69.0				
22:00 to 23:00 Hr		N	38.9	93.9	69.0	62.6	47.5	87.5	70.1	65.9	N	45
23:00 to 24:00 Hr			28.4	67.4	56.3	26.4	85.6	61.7				

Location : B Main Market	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	65
18:00 to 19:00 Hr			50.6	96.5	72.7	68.2	52.5	89.5	76.9	72.1		
19:00 to 20:00 Hr			51.9	91.3	70.1		51.8	93.1	71.1			
20:00 to 21:00 Hr			41.3	82.3	64.3		44.1	98.7	72.3			
21:00 to 22:00 Hr		49.1	84.5	65.9	32.0		89.4	68.4				
22:00 to 23:00 Hr		N	39.8	80.7	60.3	59.8	54.1	82.8	66.6	61.8	N	55
23:00 to 24:00 Hr			29.2	87.4	59.3	22.0	71.8	57.1				

Location : C DHH Rayagada	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	50
18:00 to 19:00 Hr			33.6	83.7	56.3	59.3	34.5	84.8	63.9	63.7		
19:00 to 20:00 Hr			38.1	88.9	60.9		27.9	86.3	65.4			
20:00 to 21:00 Hr			37.7	74.5	56.5		37.9	80.7	61.2			
21:00 to 22:00 Hr		31.9	86.9	63.5	47.6		89.3	64.3				
22:00 to 23:00 Hr		N	40.9	87.4	69.8	61.9	32.3	85.7	66.9	61.4	N	40
23:00 to 24:00 Hr			29.1	79.4	54.1	27.1	79.1	56.0				

Location : D Near JESCO	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	75
18:00 to 19:00 Hr			60.4	105.9	82.9	70.7	42.3	107.4	79.8	70.2		
19:00 to 20:00 Hr			34.2	81.9	56.1		33.9	84.1	64.4			
20:00 to 21:00 Hr			35.4	97.7	75.4		49.7	84.1	67.0			
21:00 to 22:00 Hr		38.3	88.1	68.5	35.6		100.6	69.9				
22:00 to 23:00 Hr		N	35.4	85.3	63.2	62.6	44.9	81.1	63.7	71.4	N	70
23:00 to 24:00 Hr			34.1	81.5	62.0	44.8	113.2	79.1				

13.ROURKELA

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location :A Sector-06	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			40.7	76.6	51.5	48.6	43.1	95.1	67.5	67.3	D	55
19:00 to 20:00 Hr			40.7	65.8	49.2		46.3	90.1	66.0			
20:00 to 21:00 Hr			40.1	71.5	47.0		46.9	89.1	67.0			
21:00 to 22:00 Hr		40.5	64.6	46.9	47.6		95.2	68.8				
22:00 to 23:00 Hr		N	35.2	45.0	39.8	39.0	36.0	85.3	60.4	57.4	N	45
23:00 to 24:00 Hr			32.7	50.2	38.2		33.6	79.9	54.4			

Location : B Amabagaan	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			51.1	83.2	60.3	60.5	53.7	82.3	65.3	61.9	D	65
19:00 to 20:00 Hr			52.0	75.4	60.5		54.0	78.1	61.0			
20:00 to 21:00 Hr			50.1	75.5	60.6		54.4	79.5	60.9			
21:00 to 22:00 Hr		51.0	78.8	60.9	53.3		74.5	60.4				
22:00 to 23:00 Hr		N	50.2	80.6	61.2	60.1	48.9	94.3	67.6	66.7	N	55
23:00 to 24:00 Hr			47.2	73.1	59.0		49.0	92.2	65.9			

Location : C IGH, Steel Township	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			41.3	70.7	48.7	48.6	43.8	75.1	54.5	55.9	D	50
19:00 to 20:00 Hr			41.4	72.3	51.6		43.8	73.2	54.3			
20:00 to 21:00 Hr			41.4	72.0	51.6		42.9	71.8	57.0			
21:00 to 22:00 Hr		41.9	44.0	42.6	43.2		75.4	58.0				
22:00 to 23:00 Hr		N	39.1	69.1	49.0	47.8	46.0	70.2	53.9	52.4	N	40
23:00 to 24:00 Hr			37.7	65.4	46.7		46.0	70.2	50.9			

Location : D Rourkela Steel Plant	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	Leq dB(A)	
18:00 to 19:00 Hr			68.4	82.1	71.8	71.1	43.5	76.7	56.8	60.7	D	75
19:00 to 20:00 Hr			68.2	85.4	71.6		43.3	89.5	63.7			
20:00 to 21:00 Hr			67.5	87.7	71.1		44.3	77.3	56.9			
21:00 to 22:00 Hr		68.1	80.2	70.1	42.5		95.4	65.5				
22:00 to 23:00 Hr		N	70.9	76.1	72.2	72.0	39.6	88.8	61.1	59.8	N	70
23:00 to 24:00 Hr			68.2	74.8	71.9		39.9	82.0	58.5			

14.SAMBALPUR

NOISE LEVEL DURING DEEPAWALI FESTIVAL, 2020:

Location : A Ainthapalli	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Residential	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	55
18:00 to 19:00 Hr			45.9	74.6	55.8	58.9	42.3	96.4	65.4	64.9		
19:00 to 20:00 Hr			45.7	75.6	54.6		41.0	96.8	68.9			
20:00 to 21:00 Hr			44.2	78.9	61.5		47.8	88.8	63.6			
21:00 to 22:00 Hr		37.8	87.5	63.9	40.0		86.0	61.8				
22:00 to 23:00 Hr		N	39.8	71.8	56.7	58.1	36.2	90.8	59.4	59.9	N	45
23:00 to 24:00 Hr			36.6	84.6	59.6		38.7	79.9	60.4			

Location : B Goal Bazar Chowk	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Commercial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	65
18:00 to 19:00 Hr			55.4	93.0	71.1	73.2	58.8	97.8	72.7	73.65		
19:00 to 20:00 Hr			59.4	99.4	74.6		57.9	92.9	71.5			
20:00 to 21:00 Hr			56.4	110.2	79.2		57.0	99.8	75.8			
21:00 to 22:00 Hr			55.8	86.1	67.9		56.4	99.9	74.2			
22:00 to 23:00 Hr		N	50.6	83.6	66.8		65.2	56.0	101.8		74.5	72.9
23:00 to 24:00 Hr			33.0	82.6	63.7	49.2		98.7	71.3			

Location : C Dist H.Q Hospital Modipara	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Silence	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	58.9	D	50
18:00 to 19:00 Hr			42.7	72.4	56.3	54.7	40.9	76.9	56.9			
19:00 to 20:00 Hr			43.8	69.8	55.9		42.5	83.4	60.1			
20:00 to 21:00 Hr			44.2	74.4	54.1		46.2	80.7	60.2			
21:00 to 22:00 Hr			35.4	73.9	52.8		39.8	81.3	58.7			
22:00 to 23:00 Hr		N	41.6	75.0	52.1		51.3	38.2	90.8	62.9	58.7	N
23:00 to 24:00 Hr			39.7	78.6	50.6	36.9		83.7	54.5			

Location : D Bareipali	Zone		Pre- Deepawali (09.11.2020)				On the day of Deepawali (14.11.2020)				Standard	
Time duration	Industrial	D	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	L _{min}	L _{max}	Leq dB(A)	Avg Leq dB(A)	D	50
18:00 to 19:00 Hr			44.4	81.7	58.2	59.1	41.3	98.0	72.0	66.8		
19:00 to 20:00 Hr			44.9	76.0	58.1		41.6	101.3	76.2			
20:00 to 21:00 Hr			42.7	71.5	56.4		42.4	80.6	58.5			
21:00 to 22:00 Hr			41.8	88.6	63.7		42.7	89.9	60.6			
22:00 to 23:00 Hr		N	40.0	82.3	57.5		53.8	37.6	75.8		56.4	55.5
23:00 to 24:00 Hr			40.1	72.5	50.2	36.6		74.4	54.6			

N.B:-D-Day Time (6PM to 10PM), N-Night Time (10PM to 12.00AM) as per CPCB Noise monitoring Field Protocol

Noise level in dB(A) Leq at different location of Odisha in pre Deepawali & On the day of Deepawali during the year 2020

Sl.No	Towns/Cities	Monitoring Locations	Pre- Deepawali (09.11.2020)		On the day of Deepawali (14.11.2020)	
			D	N	D	N
1	Angul	1.Amalapada(R)	59.0	43.2	63.5	42.6
		2.Bazar chhak(C)	60.9	40.4	62.2	40.5
		3.District Head Quarter Hospital(S)	68.9	50.7	70.0	52.3
		4.Hakimpada(I)	63.4	55.1	64.8	54.7
2	Balasore	5.Sahadevkhunta(R)	56.2	46.4	64.2	49.2
		6.Motiganj Bazar(C)	72.7	65.8	76.1	67.2
		7.District Head Quarter Hospital(S)	55.5	46.1	57.8	50.0
		8.Balasore Industrial Estate(I)	59.9	47.7	63.8	54.8
3	Berhampur	9.Brahmanagar(R)	52.9	45.4	63.8	44.9
		10.Girija market square(C)	69.1	63.1	75.5	65.7
		11.MKCG Medical & Hospital(S)	60.4	53.2	55.9	53.2
		12.Ankuli(I)	64.7	54.0	60.5	52.7
4	Bhubaneswar	13.Nayapalli(R)	65.4	53.0	65.5	83.0
		14.Sahidnagar(C)	74.1	57.5	73.2	74.8
		15.Capital Hospital(S)	48.9	45.9	59.0	51.8
		16.Rasulgarh(I)	67.6	56.5	70.0	62.2
5	Cuttack	17.Suryavihar(R)	64.7	64.5	67.3	70.3
		18.Badambadi(C)	67.0	72.5	70.7	68.2
		19.SCB Medical College(S)	65.1	53.4	63.5	66.5
		20.Khapuria(I)	66.5	64.1	65.9	59.3
6	Jharsuguda	21.Cox colony(R)	53.0	39.5	67.2	57.4
		22.Jhanda Chowk(C)	65.3	63.4	71.1	71.8
		23.covid Hospital(S)	61.8	55.1	65.1	64.9
		24.Bombay Chowk(I)	68.4	48.0	64.3	64.7
7	Kalinganagar	25.Sapagadia(R)	65.1	72.5	63.4	58.7
		26.Gopabandhu Chowk(C)	77.4	72.9	75.3	60.9
		27.CHC Hospital(S)	66.9	67.7	66.5	63.5
		28.Kalinga nagar industrial estate (I)	77.0	81.3	70.4	60.1
8	Keonjhar	29.Baniapat Chowk(R)	60.6	52.0	73.1	74.2
		30.Punjabi Chowk(C)	68.0	54.6	71.5	60.4
		31.Govt.Hospital(S)	67.1	62.1	73.4	67.6
9	Konark	32.Madhipur(R)	47.1	44.2	56.1	46.1
		33.NAC Market(C)	57.7	53.3	60.6	56.4
		34.Public Health Centre(S)	48.4	46.6	45.5	42.9
10	Paradeep	35.Madhuban(R)	50.8	55.9	54.0	59.0
		36.Badapadia Market(C)	63.5	65.5	65.7	58.9
		37.Bijumemorial Hospital(S)	57.1	51.0	63.8	54.3
		38.IFFCO Ltd(I)	59.4	56.3	64.7	61.6
11	Puri	39.Kumutisahi, Old Sadar lane(R)	71.2	58.5	63.6	55.7
		40.Near Sri Mandir(C)	78.2	66.5	75.3	63.8
		41.District Head Quarter Hospital(S)	65.5	58.5	61.7	53.9
12	Rayagada	42.Indiranagar(R)	68.3	62.6	68.3	65.9
		43.Main market(C)	68.2	59.8	72.1	61.8
		44.District Head Quarter Hospital(S)	59.3	61.9	63.7	61.4
		45.Jesco(I)	70.7	62.6	70.2	71.4
13	Rourkela	46.Sector-6(R)	48.6	39.0	67.3	57.4
		47.Ambagaan(C)	60.5	60.1	61.9	66.7
		48.IGH steel Township(S)	48.6	47.8	55.9	52.4
		49.RSPL Sail(I)	71.1	72.0	60.7	59.8
14	Sambalpur	50.Ainthapali(R)	58.9	58.1	64.9	59.9
		51.Golebazar(C)	73.2	65.2	73.5	72.9
		52.District Head Quarter Hospital(S)	54.7	51.3	58.9	58.7
		53.Bareipali(I)	59.1	53.8	66.8	55.5

Ambient Noise Standard(In Leq dB(A))

Category of area zone	Day Time	Night Time
Industrial area(I)	75	70
Commercial area(C)	65	55
Residential area(R)	55	45
Science area(S)	50	40

N.B:-D-Day Time monitoring period (6PM to 10PM), N-Night Time monitoring period (10PM to 12.00 AM)

AMBIENT AIR QUALITY STATUS OF MAJOR CITIES/TOWNS IN PRE & ON THE DAY OF DEEPAWALI FESTIVAL, 2020

Sl.no	Towns/cities	Monitoring Locations	Parameter Monitored								
			SO ₂		NO ₂		PM ₁₀		PM _{2.5}		
			Values are expressed in microgram per cubic meter								
			PRE	DURING	PRE	DURING	PRE	DURING	PRE	DURING	
1	Angul	1. RO, SPCB Office Building	9.4	13.2	25.3	29.6	94	111	43	51	
		2. Nalco Township	9.6	12.9	23.6	27.4	101	111	25	36	
2	Balasore	3.Ganeswarpur	BDL	BDL	10.3	11.1	82	88	33	41	
		4.Oriplast, OT Road	BDL	BDL	11.3	11.2	84	85	37	54	
		5.Rasalpur Industrial Estate	7.7	7.8	11.3	11.7	89	92	41	46	
3	Berhampur	6.Brahmanagar	5.5	6.4	18.6	20.2	42	48	23	24	
		7.Girija market square	8.3	9.5	20.8	30.2	75	85	26	32	
		8.MKCG Medical College& Hospital	7.1	9.3	17.9	22.5	68	79	16	22	
		9.Industrial Estate, RO office	5.7	8.1	19.6	23.4	54	79	22	20	
4	Bhubaneswar	10.RO,SPCB Office Building	BDL	4.2	17.0	19.0	80	136	46	56	
		11.IRC Nayapalli	BDL	BDL	15.4	19.5	100	99	NM	NM	
		12.Capital Police Station	Not Monitored							78	
		13.Patrapada	BDL	BDL	15.3	18.7	90	160	31	64	
		14.Chandrasekharpur	BDL	BDL	15.0	21.6	107	112	31	58	
		15.Palasuni water works	BDL	NM	12.0	NM	97	NM	72	99	
5	Bonaigarh	16.Govt. Hospital Bonai	8.7	15.4	12.4	17.6	68	117	28	46	
6	Cuttack	17. PHD Office near Barabati Stadium	4.1	BDL	18.4	19.8	109	113	42	46	
		18. RO, SPCB Office Building Suryavihar	BDL	BDL	19.7	20.7	106	129	46	42	
		19.Hotel Bishal Inn near Traffic Tower Badambadi	Not Monitored							36	34
7	Jharsuguda	20. RO, SPCB Office Building, Cox Colony, Babubagicha	7.7	16.3	12.3	18.2	89	116	51	72	
8	Kalinganagar	21. DET Hostel,M/S Tata steel	BDL	BDL	18.0	19.2	114	124	NM	NM	
9	Keonjhar	23 RO, SPCB Office Building	BDL	BDL	16.2	19.2	99	105	NM	NM	
10	Konark	24. Konark Police Station	BDL	BDL	13.6	13.8	82	82	NM	NM	
11	Paradeep	25. STP Building, IFFCO,	19.4	25.7	12.7	18.1	153	164	NM	NM	
		26. PPL Guest House,	20.9	25.2	11.7	18.2	161	168	NM	NM	
		27. PPT Staff Quarters,	19.5	24.3	10.1	16.2	171	171	NM	NM	
12	Puri	28.Town Police Station	BDL	BDL	14.9	19.3	82	105	NM	NM	
13	Rayagada	29. RO, SPCB Office Building	4.7	7.7	16.6	17.8	69	93	39	67	
		30.LPS High School	5.0	7.0	17.1	17.1	72	87	41	56	
14	Rajgangpur	31.DISIR Rajgangpur	6.4	17.0	11.9	18.4	98	124	33	45	
15	Rourkela	32. RO, SPCB Office Building	7.8	16.4	12.4	18.4	136	107	60	47	
		33.IDL Police Outpost	6.4	16.2	12.3	18.1	74	108	45	47	
		34.IDC Kalunga	7.9	16.4	11.8	18.4	141	167	36	58	
		35. Kuarmunda Hospital,	7.7	18.0	11.5	19.7	118	137	44	52	
16	Sambalpur	36.Modipara	7.6	9.3	26.2	33.8	91	108	48	68	
17	Talcher	37.Talcher Thermal	11.9	13.1	27.4	30.6	111	125	46	51	
		38 MCL area, Talcher	8.5	12.4	25.1	29.2	115	120	37	48	
Standard on 24hrly avg. Basis			80		80		100		60		

N.B-BDL-Below Detection Limit, BDL value for SO₂ ≤4 µg/m³, NM-Not Monitored

**Continuous Ambient Air Monitoring Data of Bhubaneswar city
(On the eve of Deepawali, 2020)**

1.Name of the Monitoring Station:-Office Building Unit-8, Bhubaneswar													
Sl.No.	Date of Monitoring	SO ₂	NO ₂	NH ₃	O ₃	PM ₁₀	PM _{2.5}	Metals in PM ₁₀			Metals in PM _{2.5}		
		(values expressed in Microgram per cubic meter)						Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Fe (µg/m ³)	Ba (µg/m ³)
1.	07.11.2020	BDL	15.9	29.9	23.4	86	NM	0.008	7.7	5.0	Not Monitored		
2.	08.11.2020	BDL	14.3	29.1	21.6	104	40	0.006	8.3	4.7	0.574	0.445	0.079
3.	09.11.2020	BDL	17.0	31.7	23.4	80	46	BDL	7.0	4.9	0.326	0.685	0.072
4.	10.11.2020	BDL	16.6	33.1	21.6	82	30	BDL	8.4	4.8	0.328	0.136	0.054
5.	11.11.2020	BDL	16.1	30.3	22.7	79	26	BDL	8.1	4.7	0.552	0.197	0.092
6.	12.11.2020	BDL	14.6	28.1	22.7	95	48	0.024	7.2	5.2	0.806	0.769	0.239
7.	13.11.2020	BDL	16.9	37.1	23.6	129	38	0.022	7.5	4.3	0.305	0.249	0.395
8.	14.11.2020	4.2	19.0	34.3	31.0	136	56	0.025	7.4	5.4	1.013	1.065	0.113
9.	15.11.2020	BDL	15.9	27.4	21.6	93	40	0.022	6.0	4.0	0.607	0.419	0.089
10.	16.11.2020	BDL	15.7	29.1	22.8	108	50	0.025	6.4	5.5	0.827	0.452	0.135
11.	17.11.2020	BDL	15.1	32.5	21.4	80	35	0.032	4.1	4.2	0.630	0.297	0.099
12.	18.11.2020	BDL	16.4	30.5	20.3	86	39	0.021	0.5	4.0	0.511	0.198	0.077
13.	19.11.2020	BDL	15.2	29.3	22.1	62	41	0.037	6.4	5.8	0.557	0.872	0.352
14.	20.11.2020	BDL	15.8	31.7	21.6	71	38	0.026	6.4	5.4	0.567	0.260	0.206
15.	21.11.2020	BDL	16.4	33.3	22.8	81	40	0.033	6.6	4.9	0.561	0.406	0.079

2.Name of the Monitoring Station:- Central Laboratory, Patia, Bhubaneswar								Metals in PM ₁₀			Metals in PM _{2.5}		
Sl.No.	Date of Monitoring	SO ₂	NO ₂	NH ₃	O ₃	PM ₁₀	PM _{2.5}	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Fe (µg/m ³)	Ba (µg/m ³)
		(values expressed in Microgram per cubic meter)											
1.	07.11.2020	BDL	17.7	32.2	26.3	106	33	BDL	9.6	4.7	0.471	0.513	0.176
2.	08.11.2020	BDL	17.7	31.3	23.0	114	46	0.032	9.5	4.9	0.933	0.461	0.119
3.	09.11.2020	BDL	15.0	31.2	24.2	107	31	0.003	11.0	4.9	0.793	0.142	0.052
4.	10.11.2020	BDL	15.6	29.9	21.8	105	49	BDL	9.6	4.2	0.471	0.149	0.122
5.	11.11.2020	BDL	16.4	32.3	23.5	98	29	BDL	8.5	4.5	0.426	0.396	0.079
6.	12.11.2020	BDL	15.8	30.2	21.7	107	48	0.020	9.9	5.1	0.662	0.181	0.089
7.	13.11.2020	BDL	13.9	29.9	21.8	102	45	0.032	11.8	4.9	0.376	0.318	0.133
8.	14.11.2020	BDL	21.6	37.6	28.9	112	58	0.044	8.0	4.3	2.892	0.330	0.157
9.	15.11.2020	BDL	14.9	34.8	21.4	104	47	0.040	8.5	4.7	0.815	0.880	0.109
10.	16.11.2020	BDL	14.9	31.7	22.1	91	41	BDL	7.9	4.4	0.788	0.201	0.077
11.	17.11.2020	BDL	16.7	33.9	21.1	100	43	BDL	8.7	4.7	0.784	0.444	0.058
12.	18.11.2020	BDL	17.6	37.4	23.7	93	41	BDL	6.7	3.2	0.352	0.945	0.121
13.	19.11.2020	BDL	16.1	33.5	22.7	78	38	0.013	9.5	4.0	0.206	0.733	0.021
14.	20.11.2020	BDL	17.0	30.7	24.5	98	42	0.006	7.9	4.1	0.786	0.205	0.087
15.	21.11.2020	BDL	16.8	32.1	22.7	88	39	BDL	7.9	4.8	1.233	0.342	0.160

N.B:-BDL- Below Detectable Limit, BDL Value for SO₂ ≤4 µg/m³, Pb ≤0.0022 µg/m³