



TAMIL NADU POLLUTION CONTROL BOARD
ADVANCED ENVIRONMENTAL LABORATORY, CUDDALORE.

AMBIENT AIR QUALITY SURVEY – REPORT OF ANALYSIS.

1. Name of the Industry : M/s. Asian Paints Ltd,
(Captive Power Plant)
2. Address of the Industry : Sipcot Industrial Complex,
Cuddalore – 5.
3. Category / Classification : Red – Large.
4. Land use classification : Industrial.
5. Date of Survey : 29.7.2021
6. Duration of Survey : 24 Hours.
7. Consent Order No. : 2008231144842/31.3.2022.

Meteorological Conditions.

Ambient Temperature (°C)	Min	Max	Relative Humidity(%)	Min	Max
	25	34		42	83
Weather condition	Clear Sky		Rain Fall (mm)	Nil	
Predominant Wind Direction	NE – SW		Mean Wind Speed (Km/hr.)	2.65	


Ambient Air Quality Survey Results

Sl. No	Location	Direction	Distance (m)*	Height from GL (m)	Pollutants Concentration (µg/m ³) (24 Hours Average)			
					PM ₁₀	PM _{2.5}	SO ₂	NO ₂
1	On top of the Scaffolding near – II Main Gate	NE	220	2	60	47	17	18
2	On top of the Scaffolding near Eastern side Compound wall	E	220	2	65	-	20	23
3	On top of the Scaffolding near Ash silo plant	SE	260	2	73	-	25	25
4	On top of the Scaffolding near Cold Storage yard	SW	200	2	80	35	12	21
5	On top of the Scaffolding in Lawn	W	200	2	87	-	21	36
6	On top of the Scaffolding near EB yard	NW	200	2	73	-	16	28

Note: * With respect to major emission sources.

Test Performed	Test Method
PM _{2.5}	US EPA Federal Reference Method
PM ₁₀	IS 5182 (Part 23)-2006
SO ₂	IS 5182 (Part 2)-2001 RA:2012
NO ₂	IS 5182 (Part 6)-2006 RA:2012


Dy. CSO


Assistant Director (Lab) (a/c),
AEL, TNPCB, Cuddalore.




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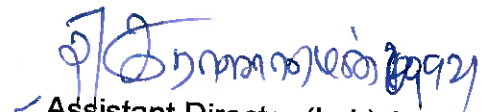
STACK MONITORING SURVEY – Report of Analysis.

1. Name of the Industry : M/s. Asian Paints Ltd,
(Captive Power Plant)
2. Address of the Industry : B-5 To B – 10 Sipcot Industrial Complex,
Cuddalore – 5.
3. Date of Survey : 29.7.2021

Stack Monitoring Survey Results

Sl. No	Stack attached to	Stack Temp °K	Flue Gas Velocity in (m/Sec)	Gas Discharge Rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)		
					PM	SO ₂	NO _x
1	Boiler – 16 T/hr Fuel : Coal APC : Stack	420	12.89	25869	47	42	160
2	Boiler – 14 T/hr Fuel : Coal APC : Stack	415	12.82	26038	41	38	139


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AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Analysis.

1	Name of the Industry	M/s. Asian Paints Ltd, (Captive Power Plant)		
2	Address of the Industry	B-5 To B-10 Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	29.7.2021		
	Category	R-L	Land use Classification	Industrial
	Type of Survey	Ambient	Time of Survey	Day
	Meteorological conditions	Calm		

Logging Parameters

Instrument Used	LARSON DEVIS	Serial No. 824A - 2551		
Logging Interval	10 Minutes at each point	Measuring Range 50 – 110 dBA		
Weighting	"A"		Time Weighting	FAST
Sound Incidence	Frontal		Time in hrs.	11.30 – 12.30 Hrs

Report of Noise Level Monitoring

Sl. No.	Location	Duration (min)	Distance (m)	Direction	Sound Level – dB(A)		
					L _{eq}	Min	Max
1	Near Northern side Compound wall	10	100	N	58.9	54.8	63.3
2	Near North East side Compound wall	10	220	NE	60.4	55.9	68.3
3	Near Eastern side Compound wall	10	220	E	60.9	56.3	66.6
4	Near ETP	10	260	SE	60.0	54.9	69.0
5	Near Southern side Compound wall	10	160	S	61.1	55.9	68.3
6	Near Old gate	10	200	SW	56.6	52.3	65.5
7	Near Western side Compound wall	10	200	W	60.3	55.5	67.8
8	Near Vehicle shed	10	200	NW	54.4	49.3	64.4

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