



TAMIL NADU POLLUTION CONTROL BOARD
ADVANCED ENVIRONMENTAL LABORATORY, CUDDALORE.


STACK MONITORING SURVEY – Report of Analysis.

1. Name of the Industry : M/s. Asian Paints – (Penta Division)
2. Address of the Industry : B-5 To B – 10 Sipcot Industrial Complex,
Cuddalore – 5.
3. Date of Survey : 30.7.2021

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	DG set I - 600 KVA Fuel : Diesel APC : Stack	531	10.64	1055	37	16	248
2	DG set II - 500 KVA Fuel : Diesel APC : Stack	530	10.63	1054	41	14	231
3	DG set - 365 KVA Fuel : Diesel APC : Stack	474	10.05	1117	34	13	68
4	Sodium Format dryer – Wet scrubber outlet Fuel : Nil	312	11.11	2700	11	-	-
5	Mono Pentaerithritol dryer – Wet scrubber outlet Fuel : Nil	317	7.61	1264	10	-	-
6	Di Pentaerithritol dryer – Wet scrubber outlet Fuel : Nil	319	8.24	1360	9	-	-
7	Fluid Bed dryer – Bag filter outlet Fuel : Nil	335	12.33	4979	45	-	-


Dy. CSO


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



TAMIL NADU POLLUTION CONTROL BOARD
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AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Analysis.

1	Name of the Industry	M/s. Asian Paints Ltd, (Penta Division)		
2	Address of the Industry	B-5 To B-10 Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	30.7.2021		
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.	14.30 – 15.30 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	58.3	54.6	66.0
2	Near North East side Compound wall	10	220	NE	60.5	55.5	67.7
3	Near Eastern side Compound wall	10	220	E	61.8	56.3	68.8
4	Near ETP	10	260	SE	59.9	53.3	69.9
5	Near Southern side Compound wall	10	160	S	59.8	52.2	68.8
6	Near Old gate	10	200	SW	56.6	51.6	67.3
7	Near Western side Compound wall	10	200	W	59.9	54.4	70.5
8	Near Vehicle shed	10	200	NW	54.6	48.1	66.4


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TOTAL VOLATILE ORGANIC COMPOUNDS – Report of Analysis.

1	Name of the Industry	M/s. Asian Paints Ltd, (Penta Division)		
2	Address of the Industry	B-5 To B-10 Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	30.7.2021		
	Category	R-L	Land use Classification	Industrial
	Type of Survey	Ambient	Time of Survey	Day
	Meteorological conditions	Calm		

Logging Parameters

Instrument used	Phocheck Tiger
Serial No	T – 106428
Time in hours	16.00 hrs

Report of Total Volatile Organic Compounds

Sl. No.	Location	Distance (m)	TVOC (ppm)
1	Near Formaldehyde Plant	70	1.9
2	Near Caustic Storage Tank	50	2.9
3	Near Scrap Yard	60	1.8
4	Near ETP area	80	1.93
5	Inside the formaldehyde plant	10	3.4
6	Near old Gate	120	2.5


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AMBIENT AIR QUALITY SURVEY – REPORT OF ANALYSIS.

1. Name of the Industry : M/s. Asian Paints Ltd,
(Penta Division)
2. Address of the Industry : Sipcot Industrial Complex,
Cuddalore – 5.
3. Category / Classification : Red – Large.
4. Land use classification : Industrial.
5. Date of Survey : 30.7.2021
6. Duration of Survey : 24 Hours.

Meteorological Conditions.

Ambient Temperature (°C)	Min	Max	Relative Humidity(%)	Min	Max
	23	29		72	95
Weather condition	Clear		Rain Fall (mm)	Nil	
Predominant Wind Direction	NE-SW		Mean Wind Speed (Km/hr.)	2.73	


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 North East side Compound wall	NE	220	2	90	57	16	15
2	On top of the Scaffolding near Eastern side Compound wall	E	220	2	93	-	25	27
3	On top of the Scaffolding near ETP	SE	260	2	84	-	31	34
4	On top of the Scaffolding near Old gate	SW	200	2	75	43	18	20
5	On top of the Scaffolding in Lawn	W	200	2	73	-	37	45
6	On top of the Scaffolding near EB yard	NW	200	2	85	-	28	30

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


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