



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Ambient Air Quality Survey Report

Report No. 60 /AAQS/2014-15

Dated: 20/10/2014.

1. Name of the Industry : M/s.OPG Power Generation Pvt Ltd.
2. Address of the Industry : Chinna Obulapuram,
Gummidipoondi,
Thiruvallur Dt,
3. Date of survey : 16/10/2014
4. Duration of Survey : Eight hours
5. Category : Red Large
7. Consent Order No. : 18231
8. Time of survey started in : 9.00
Hrs
9. Time of survey closed in : 18.50
Hrs

Ambient Temperature ($^{\circ}$ C)	Min	Max	Relative Humidity (%)	Min	Max
	29.0	33.0		63	79
Weather Condition	Partially Cloudy		Rain Fall (mm)	Nil	
Predominant Wind Condition	E-W & ENE-SWS		Mean Wind Speed (Km/hr)	15.5	

Ambient Air Quality Survey Report of Analysis

Sl. No	Location	Direction *	Distance (m)	Height from GL (m)	Pollutants			
					Concentrations (μ g/m ³)			
					PM _{2.5}	PM ₁₀	SO ₂	NO ₂
1	On top of scaffolding near Main security gate	N	140	5.0	---	64	11.2	13.8
2	On top of building at primary school at kalairmedu	NE	310	5.0	---	68	10.6	11.1
3	On house top of OPG Bachelors guest house at pappankuppam	E	350	5.0	---	59	11.8	12.0
4	On top of security near SE corner of the plant at the back side of the plant	SE	250	5.0	---	86	11.2	12.9
5	On house top of Thiru.Suresh D.No.157/52 at S.R.Kandigai	SW	300	5.0	30	68	10.9	12.0
6	On house top of Primary health center at N.R.Kandigai	W	150	5.0	---	54	11.4	12.5
7	On house top of Thiru.Suresh at N.R.Kandigai	NW	210	5.0	---	74	10.9	13.2



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Stack Monitoring Survey - Report of Analysis

Report No 60 /SM/2014-15

Dated: 20/10/2014.

1. Name of the Industry : **M/s.OPG Power Generation Pvt Ltd.**
2. Address of the Industry : Chinna Obulapuram,
Gummidipoondi,
Thiruvallur Dt,
3. Date of survey : 16/10/2014
4. Consent Order No. : 18231
5. Category : Red Large

Stack Analysis Report

Sl.No	Stack attached to	Stack Temp °C	Velocity in (M/sec)	Discharge rate in (Nm ³ /Day)	Pollutants (mg/Nm ³)		
					PM	SO ₂	No ₂
1	Boiler-320TPH,Unit-1(77MW) Fuel-Coal,APC-ESP.	197	24.2	4264378.3	35.7	327.4	219.9
2	Boiler-320TPH,Unit-2(77MW) Fuel-Coal,APC-ESP.	189	25.2	4517485.7	39.3	343.2	206.5



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Ambient Noise Level Survey-Report of Analysis

Report No. 60

/NSL/2014-15

Dated: 20/10/2014.

1	Name of the Industry	M/s.OPG Power Generation Pvt Ltd.
2	Address of the Industry	Chinna Obulapuram, Gummidipoondi, Thiruvallur Dt,
3	Date of survey	16/10/2014
4	Category & Consent Order No.	Red Large 18231
5	Land Use Classification	Industrial

Type of survey	Ambient	Time Of Survey	Day
Meteorological Conditions		Calm	

Logging Parameters

Instrument Used	Larsen & Davis	Serial No.	824A2033
Logging Interval	10 Minutes in each point	Measuring Range	50-110 dB(A)
Weighting	"A"	Time Weighting	Slow
Sound Incidence	Random	Time of survey in Hrs.	15.50-17.10

Location	Duration (m)	Distance (m)	Direction	Sound Level –dB(A)		
				Leq	LMin	LMax
Near Main security gate	10	180	N	59.7	50.1	66.3
Near OPG Guest house	10	350	E	56.3	49.8	67.5
Near House os suresh at SR Kandigai	10	300	SW	58.4	50.6	68.7
Near Primary health center at NR Kandigai	10	150	W	55.1	48.5	64.9
Near Suresh house at NR Kandigai	10	210	NW	57.6	50.6	69.4