

TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.

From
Thiru.M.Sabapathy.M.Sc.
Chief Scientific Officer (Lab),
District Environmental Laboratory,
No.77-A South Avenue Road,
Ambattur Industrial Estate, Ambattur,
Chennai 600 058.

To
M/s.OPG Power Generation Pvt Ltd.
Chinna Obularam
Gummidipoondi Taluk,
Thiruvallur District
Pin Code-601 201.

Lr. No. TNPCB/DEL/AMB/AIR/ 20 /AAQS/SM/2013-14

Dated: 06/08/2013.

Sir,

Sub:

Furnishing of Report of Analysis of Ambient Air Quality/Stack Monitoring /
Ambient Noise Level Survey-regarding.

Ref: 1.T.O.Lr.No 19/2013-14
2. Yr ltr. No.Nil
3.Cash Receipt No.13033
Rs. 53,000

Dated: 05/06/2013

Dated: 01/07/2013

Dated: 04/07/2013

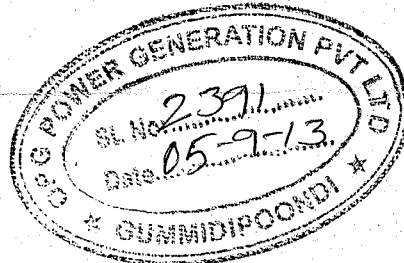
The Report of Analysis of Ambient Air Quality /Stack Monitoring/Ambient Noise Level
Survey conducted in the vicinity of your Industry on **24-07-2013** along with the Bill for Rs. **53000**
(Rupees FiftyThree Thousand only) is furnished herewith.

Kindly acknowledge the receipt of the above without fail

S. M. S. Sabapathy
Chief Scientific Officer(Lab)
DEL, Ambattur

Encl: As above
Copy Submitted:

1. The Deputy Director (Lab) TNPCB, Chennai.
2. The District Environmental Engineer, Thiruvallur (Dt).
3. To File.



Report No. 20 /AAQS/2013-14

Dated: 06/08/2013.

1. Name of the Industry : **M/s.OPG Power Generation Pvt Ltd.**
 2. Address of the Industry : Chinna Obularam
 Gummidipoondi Taluk,
 Thiruvallur District
 3. Date of survey : 24-07-2013
 4. Duration of Survey : Eight hours
 5. Category : Red Large
 7. Consent Order No. : 18837
 8. Time of survey started in Hrs : 8.30
 9. Time of survey closed in Hrs : 16.40

Ambient Temperature ($^{\circ}$ C)	Min	Max	Relative Humidity (%)	Min	Max
	25.0	31.0		57	78
Weather Condition	Clear Sky		Rain Fall (mm)	Nil	
Predominant Wind Condition	SW-NE		Mean Wind Speed (Km/hr)	10.52	

Ambient Air Quality Survey Report of Analysis

Sl. No	Location	Direction *	Distance (m)	Height from GL (m)	Pollutants Concentrations (μ g/m ³)		
					PM ₁₀	SO ₂	NO ₂
1	On top of primary school at kalarimedu	NE	310	5.0	81	11.3	12.9
2	On house top of durai at pappankuppam	E	330	5.0	83	10.0	13.7
3	On top of scurity tower near SE corner of the plant	SE	250	5.0	73	12.3	15.6
4	On top of scurity building at the back of the plant	SSW	210	5.0	63	11.6	13.7
5	On house top of suresh at D.No.157/52 at S.R.Kandigai	SW	300	5.0	65	12.6	14.5
6	On Top of Scaffolding at the primary health center at N.R.Kandigai	W	150	5.0	68	10.3	13.7
7	On House Top Of Basker at S.R.Kandigai	NW	300	5.0	64	12.6	14.5
8	On house top of Jumbu at periyaobulapuram.	NNW	300	5.0	74	9.3	12.5

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District Environmental Laboratory, Ambattur.

Stack Monitoring Survey - Report of Analysis

Report No 20 /SM/2013-14

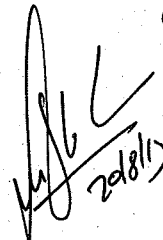
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Stack Analysis Report

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	Nox
1	Boiler-320T/hr,UNIT-1 Generation-77MW, Fuel-Coal,APC-ESP	171	22.4	4192034.6	31.1	264.0	284.3
2	Boiler-320T/hr,UNIT-2 Generation-77MW, Fuel-Coal,APC-ESP	183	23.3	4245715.5	31.7	253.5	307.9


Chief Scientific Officer(Lab)
DEL, Ambattur


24/8/13



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Ambient Noise Level Survey-Report of Analysis

Report No. 20

/NSL/2013-14

Dated: 06/08/2013.

1	Name of the Industry	M/s.OPG Power Generation Pvt Ltd.
2	Address of the Industry	Chinna Obularam Gummidipoondi Taluk, Thiruvallur District
3	Date of survey	24-07-2013
4	Category & Consent Order No.	Red Large 18837
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.	15.40-17.20

Location	Duration (m)	Distance (m)	Direction	Sound Level -dB(A)		
				Leq	LMin	LMax
Near Main Security Gate	10	200	NE	54.9	53.1	61.7
Near Eastern side of the plant	10	180	E	59.6	56.4	68.3
Near security room at the back of the plant	10	220	SE	58.1	56.7	69.8
Near suresh house	10	300	SW	53.7	51.5	62.5
Near Jumbu house at periya obulapuram	10	280	NW	53.9	51.6	63.1

Chief Scientific Officer(Lab)