



ISO 9001:2008
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GLOBAL ENVIRO LABS

Recognised by MoEF, Gov, Vide Gazette No. : S.O.1190(E) (Valid upto 30-04-2019)

2-2-1075/14/A/1, 1st Floor, Tilaknagar 'X' Road, Bagh Amberpet,
Hyderabad - 500 013. Ph : 65582886, 27407969, Fax : 27407969,
E-mail : globalelabs@gmail.com, globalelabs@rediffmail.com

Accredited by :



REF.NO: GEL/ACL/007/AAQ/2016-011

Date: 31-05-2016

AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. ANJANI PORTLAND CEMENT LTD.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sl.No.	Location	Date	Duration of Sampling	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM _{2.5} (µg/m ³)
1.	Near Security Gate	26-05-2016	24 hr.	57	05	09	35
2.	Near Crusher	26-05-2016	24 hr.	62	08	11	38
3.	Near Kiln Stack Area	26-05-2016	24 hr.	59	07	14	36
4.	T.S.P.C.B. Limits			100	80	80	60

Note: All the values are within the limits prescribed by NAAQS.

All the parameters monitored and analyzed as per the MoEF notification Vide G.S.R. No.826 (E) Dt: 18/11/2009

Fine Particulate Sampler Model APM 550 (Sl. No. 448-DTH-2010), Next Calibration due on 24/07/2016

Fine Particulate Sampler Model APM 550 (Sl. No. 449-DTH-2010), Next Calibration due on 24/07/2016

Fine Particulate Sampler Model APM 550 (Sl. No. 288-DTE-2010), Next Calibration due on 24/07/2016

Respirable Dust Sampler Model RDS 9000 (Sl. No. 061254), Next Calibration due on 08/04/2017

Respirable Dust Sampler Model RDS 9000 (Sl. No. 070703), Next Calibration due on 08/04/2017

Respirable Dust Sampler Model RDS 9000 (Sl. No. 070702), Next Calibration due on 08/04/2017

PM₁₀ : Particulate Matter (size less than 10µg/m³)

SO₂ : Sulphur Dioxide

PM_{2.5} : Particulate Matter (size less than 2.5µg/m³)

NO_x : Oxides of Nitrogen

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REF.NO: GEL/ACL/007/STM/2016-012

Date: 31-05-2016

STACK MONITORING DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sample Particulars	Stack No.	I	II	III	IV
Date of sampling	: 26-05-2016				
Time of monitoring	:	09.15 a.m.	10.45 a.m.	12.20 p.m.	02.10 p.m.
1. Stack diameter (m)	: 2.60	0.60	0.7	1.15	
2. Stack cross sectional area (sq m)	: 5.31	0.283	0.385	1.038	
3. Flue gas temperature (°C)	: 219	74	81	230	
4. Exit velocity of flue gases (m/sec)	: 9.55	12.60	12.49	13.54	
5. Flow rate (m ³ /hr)	: 1,82,557	12,836	17,311	50,596	

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 13	21	25	32
7. T.S.P.C.B Limits (SPM)	50	50	50	50

Note: All the values are

within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2017

Note: **Stack No. I** : Attached to Kiln Stack – Line – 1

Stack No. II : Attached to Coal Mill – Line – 1

Stack No. III : Attached to Cement Mill – Line – 1

Stack No. IV : Attached to Cooler Stack – Line – 1

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REF.NO: GEL/ACL/007/STM/2016-013

Date: 31-05-2016

STACK MONITORING DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sample Particulars	Stack No.	V	VI	VII	VIII
Date of sampling		26-05-2016	26-05-2016	27-05-2016	27-05-2016
Time of monitoring		03.45 p.m.	05.10 p.m.	09.00 a.m.	11.10 a.m.
1. Stack diameter (m)		0.30	0.85	0.42	0.32
2. Stack cross sectional area (sq m)		0.071	0.567	0.138	0.08
3. Flue gas temperature (°C)		45	67	43	41
4. Exit velocity of flue gases (m/sec)		12.38	11.75	2.90	7.36
5. Flow rate (m ³ /hr)		3,164	23,984	1,441	2,119

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 15	24	18	21
7. T.S.P.C.B Limits (SPM)	50	50	50	50

Note: All the values are within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2017

Note: **Stack No. V : Attached to Crusher Stack – Line – 1**

Stack No. VI : Attached to Raw Mill Stack – Line – 1

Stack No. VII : Attached to Blending Silo Stack – Line – 1

Stack No. VIII : Attached to Packing Plant Stack – Line - 1

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REF.NO: GEL/ACL/007/STM/2016-014

Date: 31-05-2016

STACK MONITORING DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sample Particulars	Stack No.	IX	X	XI	XII
Date of sampling	:	27-05-2016	27-05-2016	27-05-2016	27-05-2016
Time of monitoring	:	12.45 p.m.	02.10 p.m.	03.40 p.m.	05.15 p.m.
1. Stack diameter (m)	:	1.15	3.45	0.90	1.40
2. Stack cross sectional area (sq m)	:	1.038	9.34	0.635	1.53
3. Flue gas temperature (°C)	:	74	216	43	121
4. Exit velocity of flue gases (m/sec)	:	12.31	7.38	11.26	9.20
5. Flow rate (m ³ /hr)	:	46,300	2,48,145	25,740	50,673

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	19	25	31	22
7. T.S.P.C.B Limits (SPM)		50	50	50	50

Note: All the values are within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2017

Note: **Stack No. IX** : Attached to Cement Mill – II – Line – 1
Stack No. X : Attached to Raw Mill & Kiln - Line - II
Stack No. XI : Attached to L.S. Crusher – Line - II
Stack No. XII : Attached to Coal Mill - Line - II

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REF.NO: GEL/ACL/007/STM/2016-015

Date: 31-05-2016

STACK MONITORING DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sample Particulars	Stack No.	XIII	XIV	XV
Date of sampling		28-05-2016	28-05-2016	28-05-2016
Time of monitoring		09.20 a.m	12.00 p.m.	01.50 p.m.

1. Stack diameter (m)	: 2.66	1.20	0.40
2. Stack cross sectional area (sq m)	: 5.56	1.13	0.125
3. Flue gas temperature (°C)	: 218	114	39
4. Exit velocity of flue gases (m/sec)	: 9.31	8.27	3.65
5. Flow rate (m ³ /hr)	: 1,86,349	33,642	1,642

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 42	29	18
7. T.S.P.C.B Limits (SPM)	50	50	50

Note: All the values are within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2017

Note: **Stack No. XIII : Attached to Cooler Vent Stack – Line - II**
Stack No. XIV : Attached to Cement Mill Stack – Line - II
Stack No. XV : Attached to Packing Plant Stack – Line - II

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REF.NO: GEL/ACL/007/NQD/2016-016

Date: 31-05-2016

AMBIENT NOISE QUALITY DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Date of Monitoring: 27-05-2016

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	57	51
2. Near Cement Mill	68	63
3. Near Kiln	72	67
4. Near D.G Set Area	73	65
5. Near Canteen	59	54
6. Near Compressor House	68	63
7. Near Office	65	58
8. Near Limestone Crusher	67	63
9. Near Raw Mill	70	67
10. Near Guest House	62	54

Note: 1. Day Time is reckoned in between 6 a.m and 10 p.m
2. Night time is reckoned in between 10 p.m and 6 a.m
3. TSPCB Limits for Noise Level at Daytime is 75 dB (A) and Night time is 70 dB (A)
Noise Level Meter Model SL-4010 (Sl. No. I.72964), Next Calibration on: 11-10-2016

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REF.NO: GEL/ACL/007/WWA/2016-017

Date: 31-05-2016

WASTEWATER ANALYSIS

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Date of collection : 26-05-2016
Date of analysis : 27-05-2016
Sample Particulars : **Domestic Effluent** **Limits** **Method Used**

1. pH	: 7.31	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 658	2100	„
3. Total Suspended Solids	: 32	200	„
4. Chemical Oxygen Demand	: 107	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 24	100	„
6. Oil & Grease	: 0.18	10	“

Note: All the values except pH are expressed in mg/liter
All the values are within the limits prescribed by TSPCB

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REF.NO: GEL/ACL/007/STM/2016-018

Date:31-05-2016

STACK MONITORING DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sample Particulars : Stack attached to the 320 KVA D.G Set
Date of sampling : 28-05-2016
Time of monitoring : 03.00 a.m.

1. Stack diameter (m) : 0.15
2. Stack cross sectional area (sq m) : 0.017
3. Flue gas temperature (°C) : 137
4. Exit velocity of flue gases (m/sec) : 13.41
5. Flow rate (cum/hr) : 821

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	46	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	117	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	140	--- IS: 5182 (Part-VI), 1975

Note: All the values are within the limits prescribed by TSPCB.
Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2017

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REF.NO: GEL/ACL/007/STM/2016-019

Date: 31-05-2016

STACK MONITORING DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sample Particulars : Stack attached to the 1250 KVA D.G Set
Date of sampling : 28-05-2016
Time of monitoring : 04.30 p.m.

1. Stack diameter (m) : 0.315
2. Stack cross sectional area (sq m) : 0.077
3. Flue gas temperature (°C) : 231
4. Exit velocity of flue gases (m/sec) : 11.52
5. Flow rate (cum/hr) : 3,193

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	65	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	172	---
8. Oxides of nitrogen Concentration (mg/N m ³)	258	---
		IS: 5182 (Part-VI), 1975

Note: All the values are within the limits prescribed by TSPCB.
Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2017

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Accredited by :



REF.NO: GEL/ACL/007/STM/2016-020

Date: 31-05-2016

STACK MONITORING DATA

Name of the Industry : **M/s. Anjani Portland Cement Ltd.**
(A Subsidiary of Chettinad Cement Corporation Limited)
Address : Chintalapalem (V), Mellacheruvu (M),
Nalgonda (Dist) – 508 246

Sample Particulars : Stack attached to CSP Dust Collector – Line-II
Date of sampling : 28-05-2016
Time of monitoring : 06.00 p.m.

- | | | |
|----------------------------------------|---|--------|
| 1. Stack diameter (m) | : | 0.60 |
| 2. Stack cross sectional area (sq m) | : | 0.283 |
| 3. Flue gas temperature (°C) | : | 54 |
| 4. Exit velocity of flue gases (m/sec) | : | 11.90 |
| 5. Flow rate (cum/hr) | : | 12,124 |

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	50	IS: 11255 (Part-I), 1985

Note: All the values are within the limits prescribed by TSPCB.
Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2017

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