



ISO 9001:2008
OHSAS 18001:2007

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/2015-090

Date: 21-11-2015

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	13-11-2015	24 hr.	52	09	14	31
2.	Near Crusher	13-11-2015	24 hr.	59	05	08	35
3.	Near Kiln Stack Area	13-11-2015	24 hr.	64	14	19	37
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 08/04/2016
Respirable Dust Sampler Model RDS 9000 (Sl. No. 070703), Next Calibration due on 08/04/2016
Respirable Dust Sampler Model RDS 9000 (Sl. No. 070702), Next Calibration due on 08/04/2016

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/2015-091

Date: 21-11-2015

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	: 13-11-2015				
Time of monitoring	:	09.15 a.m.	09.45 a.m.	10.00 a.m.	12.00 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)	: --	--	71	--	
4. Exit velocity of flue gases (m/sec)	: --	--	12.39	--	
5. Flow rate (m ³ /hr)	: --	--	17,173	--	

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: --	--	30	--	
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: 08-04-2016

Note: **Stack No. I** : Attached to Kiln Stack – Line – 1 - (Not in Operation)

Stack No. II : Attached to Coal Mill – Line – 1 - (Not in Operation)

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

Stack No. IV : Attached to Cooler Stack – Line – 1 - (Not in Operation)

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Accredited by :



REF.NO: GEL/ACL/007/STM/2015-092

Date: 21-11-2015

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	:	13-11-2015	13-11-2015	13-11-2015	13-11-2015
Time of monitoring	:	12.30 p.m.	01.00 p.m.	01.30 p.m.	02.00 p.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)	:	--	--	--	39
4. Exit velocity of flue gases (m/sec)	:	--	--	--	7.25
5. Flow rate (m ³ /hr)	:	--	--	--	2,088

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	--	--	--	26
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: 08-04-2016

Note: **Stack No. V** : Attached to Crusher Stack – Line – 1 - (Not in Operation)
Stack No. VI : Attached to Raw Mill Stack – Line – 1 - (Not in Operation)
Stack No. VII : Attached to Blending Silo Stack – Line – 1 - (Not in Operation)
Stack No. VIII : Attached to Packing Plant Stack – Line - 1

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Accredited by :



REF.NO: GEL/ACL/007/STM/2015-093

Date: 21-11-2015

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	:	13-11-2015	14-11-2015	14-11-2015	14-11-2015
Time of monitoring	:	04.30 p.m.	09.15 a.m.	11.30 a.m.	02.10 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)	:	68	220	43	109
4. Exit velocity of flue gases (m/sec)	:	12.60	7.35	11.26	9.31
5. Flow rate (m ³ /hr)	:	47,084	2,47,136	25,740	51,279

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	35	36	39	38
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: 08-04-2016

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/2015-094

Date: 21-11-2015

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	: 14-11-2015			
Time of monitoring	:	03.20 p.m	05.00 p.m.	06.30 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)	: 237	112	40
4. Exit velocity of flue gases (m/sec)	: 9.54	8.42	3.92
5. Flow rate (m ³ /hr)	: 1,90,952	34,253	1,764

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 45	32	28
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: 08-04-2016

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/2015-095

Date: 21-11-2015

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: 14-11-2015

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	56	52
2. Near Cement Mill	72	67
3. Near Kiln	74	69
4. Near D.G Set Area	68	63
5. Near Canteen	65	54
6. Near Compressor House	70	65
7. Near Office	58	53
8. Near Limestone Crusher	66	61
9. Near Raw Mill	67	65
10. Near Guest House	56	52

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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Accredited by :



REF.NO: GEL/ACL/007/WWA/2015-096

Date: 21-11-2015

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 : 14-11-2015

Date of analysis : 16-11-2015

Sample Particulars : **Domestic Effluent** **Limits** **Method Used**

1. pH	: 7.32	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 694	2100	„
3. Total Suspended Solids	: 35	200	„
4. Chemical Oxygen Demand	: 112	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 27	100	„
6. Oil & Grease	: 0.14	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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Accredited by :



REF.NO: GEL/ACL/007/STM/2015-097

Date: 21-11-2015

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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 : 15-11-2015
Time of monitoring : 10.00 a.m.

- | | | |
|--|---|-------|
| 1. Stack diameter (m) | : | 0.15 |
| 2. Stack cross sectional area (sq m) | : | 0.017 |
| 3. Flue gas temperature (°C) | : | 142 |
| 4. Exit velocity of flue gases (m/sec) | : | 13.70 |
| 5. Flow rate (cum/hr) | : | 838 |

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	: 54 115	IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	: 121 ---	IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	: 147 ---	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: 08-04-2016

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Accredited by :



REF.NO: GEL/ACL/007/STM/2015-098

Date: 21-11-2015

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 : 15-11-2015
Time of monitoring : 11.45 a.m.

1. Stack diameter (m) : 0.315
2. Stack cross sectional area (sq m) : 0.077
3. Flue gas temperature (°C) : 219
4. Exit velocity of flue gases (m/sec) : 11.31
5. Flow rate (cum/hr) : 3,135

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	67	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	221	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	263	--- 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: 08-04-2016

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REF.NO: GEL/ACL/007/STM/2015-099

Date: 21-11-2015

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 : 15-11-2015
Time of monitoring : 02.30 p.m.

1. Stack diameter (m) : 0.60
2. Stack cross sectional area (sq m) : 0.283
3. Flue gas temperature (°C) : 59
4. Exit velocity of flue gases (m/sec) : 12.09
5. Flow rate (cum/hr) : 12,317

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³) : 41	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: 08-04-2016

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