



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, 1<sup>st</sup> 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/2016-110

Date: 30-01-2016

## 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 <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )
1.	Near Security Gate	21-01-2016	24 hr.	52	08	13	30
2.	Near Crusher	21-01-2016	24 hr.	59	05	09	37
3.	Near Kiln Stack Area	21-01-2016	24 hr.	64	07	15	34
<b>4.</b>	<b>T.S.P.C.B. Limits</b>			<b>100</b>	<b>80</b>	<b>80</b>	<b>60</b>

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

PM<sub>10</sub> : Particulate Matter (size less than 10µg/m<sup>3</sup>)

SO<sub>2</sub> : Sulphur Dioxide

PM<sub>2.5</sub> : Particulate Matter (size less than 2.5µg/m<sup>3</sup>)

NO<sub>x</sub> : Oxides of Nitrogen

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Accredited by :



REF.NO: GEL/ACL/007/STM/2016-111

Date: 30-01-2016

## 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	: 21-01-2016				
Time of monitoring	:	09.15 a.m.	09.40 a.m.	10.00 a.m.	12.30 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)	: --	--	79	--	
4. Exit velocity of flue gases (m/sec)	: --	--	12.53	--	
5. Flow rate (m <sup>3</sup> /hr)	: --	--	17,366	--	

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	: --	--	24	--
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7. T.S.P.C.B Limits (SPM)	50	50	50	50
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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/2016-112

Date: 30-01-2016

## 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		21-01-2016	21-01-2016	21-01-2016	21-01-2016
Time of monitoring		01.00 p.m.	02.00 p.m.	02.15 p.m.	03.00 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)		--	--	--	45
4. Exit velocity of flue gases (m/sec)		--	--	--	7.31
5. Flow rate (m <sup>3</sup> /hr)		--	--	--	2,105

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )		--	--	--	27
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/2016-113

Date: 30-01-2016

## 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	:	22-01-2016	22-01-2016	22-01-2016	22-01-2016
Time of monitoring	:	10.00 a.m.	11.30 a.m.	02.00 p.m.	03.45 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	217	47	112
4. Exit velocity of flue gases (m/sec)	:	12.39	7.35	11.28	9.21
5. Flow rate (m <sup>3</sup> /hr)	:	46,298	2,47,136	25,786	50,729

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	:	31	36	45	33
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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Accredited by :



REF.NO: GEL/ACL/007/STM/2016-114

Date: 30-01-2016

## 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		22-01-2016	23-01-2016	23-01-2016
Time of monitoring		05.15 p.m	09.30 a.m.	12.00 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)	: 238	110	41
4. Exit velocity of flue gases (m/sec)	: 9.46	8.39	3.84
5. Flow rate (m <sup>3</sup> /hr)	: 1,89,351	34,130	1,728

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	: 42	38	25
<b>7. T.S.P.C.B Limits (SPM)</b>	<b>50</b>	<b>50</b>	<b>50</b>

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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Accredited by :



REF.NO: GEL/ACL/007/NQD/2016-115

Date: 30-01-2016

## 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: 23-01-2016

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	55	49
2. Near Cement Mill	71	67
3. Near Kiln	73	68
4. Near D.G Set Area	68	65
5. Near Canteen	61	57
6. Near Compressor House	72	68
7. Near Office	57	51
8. Near Limestone Crusher	67	59
9. Near Raw Mill	70	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/2016-116

Date: 30-01-2016

## 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 : 23-01-2016  
Date of analysis : 25-01-2016  
Sample Particulars : **Domestic Effluent**      **Limits**      **Method Used**

1. pH	: 7.32	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 653	2100	„
3. Total Suspended Solids	: 38	200	„
4. Chemical Oxygen Demand	: 97	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 20	100	„
6. Oil & Grease	: 0.15	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/2016-117

Date: 30-01-2016

## 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 : 23-01-2016  
Time of monitoring : 02.00 p.m.

1. Stack diameter (m) : 0.15  
2. Stack cross sectional area (sq m) : 0.017  
3. Flue gas temperature (°C) : 128  
4. Exit velocity of flue gases (m/sec) : 13.74  
5. Flow rate (cum/hr) : 841

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	53	<b>115</b> IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> )	112	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> )	146	--- 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/2016-118

Date: 30-01-2016

## 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 : 23-01-2016  
Time of monitoring : 03.30 p.m.

1. Stack diameter (m)	:	0.315
2. Stack cross sectional area (sq m)	:	0.077
3. Flue gas temperature (°C)	:	227
4. Exit velocity of flue gases (m/sec)	:	11.34
5. Flow rate (cum/hr)	:	3,143

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	: 69	<b>115</b> IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> )	: 187	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> )	: 265	--- 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/2016-119

Date: 30-01-2016

## 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 : 23-01-2016  
Time of monitoring : 05.00 p.m.

- |  |   |        |
|--|---|--------|
| 1. Stack diameter (m)                  | : | 0.60   |
| 2. Stack cross sectional area (sq m)   | : | 0.283  |
| 3. Flue gas temperature (°C)           | : | 58     |
| 4. Exit velocity of flue gases (m/sec) | : | 12.13  |
| 5. Flow rate (cum/hr)                  | : | 12,358 |

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	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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