



ISO 9001:2015  
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# GLOBAL ENVIRO LABS

Recognised by MoEF, Govt, 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/2017-091

Date: 02-02-2017

## 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> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )
1.	Near Security Gate	24-01-2017	24 hr.	57	07	11	31
2.	Near Crusher	24-01-2017	24 hr.	62	10	08	36
3.	Near Kiln Stack Area	24-01-2017	24 hr.	68	12	17	39
<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 24/07/2017

Fine Particulate Sampler Model APM 550 (Sl. No. 449-DTH-2010), Next Calibration due on 24/07/2017

Fine Particulate Sampler Model APM 550 (Sl. No. 288-DTE-2010), Next Calibration due on 24/07/2017

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

PM<sub>10</sub> : Particulate Matter (size less than  $10\mu\text{g}/\text{m}^3$ )

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

PM<sub>2.5</sub> : Particulate Matter (size less than  $2.5\mu\text{g}/\text{m}^3$ )

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

for **GLOBAL ENVIRO LABS**

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REF.NO: GEL/ACL/007/STM/2017-092

Date: 02-02-2017

## 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	: 24-01-2017				
Time of monitoring	:	09.20 a.m.	10.00 a.m.	10.40 a.m.	11.30 a.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)	: --	--	84	--	
4. Exit velocity of flue gases (m/sec)	: --	--	12.48	--	
5. Flow rate (m <sup>3</sup> /hr)	: --	--	17,297	--	

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	: --	--	26	--	
7. Sulphur dioxide Concentration (mg/Nm <sup>3</sup> )	: --	--	--	--	
8. Oxides of nitrogen Concentration (mg/Nm <sup>3</sup> )	: --	--	--	--	
<b>7. T.S.P.C.B Limits (SPM)</b>		<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

Note:

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

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-1 – Line – 1

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

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REF.NO: GEL/ACL/007/STM/2017-093

Date: 02-02-2017

## 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		24-01-2017	24-01-2017	24-01-2017	24-01-2017
Time of monitoring		12.10 p.m.	12.40 p.m.	02.10 p.m.	02.40 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)		--	--	--	44
4. Exit velocity of flue gases (m/sec)		--	--	--	7.56
5. Flow rate (m <sup>3</sup> /hr)		--	--	--	2,177

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	--	--	--	23
7. T.S.P.C.B Limits (SPM)	30	30	30	30

Note:

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

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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REF.NO: GEL/ACL/007/STM/2017-094

Date: 02-02-2017

## 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		24-01-2017	25-01-2017	25-01-2017	25-01-2017
Time of monitoring		04.40 p.m.	10.00 a.m.	11.20 a.m.	12.45 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)		91	214	36	94
4. Exit velocity of flue gases (m/sec)		12.53	7.36	11.27	9.17
5. Flow rate (m <sup>3</sup> /hr)		46,822	2,47,473	25,763	50,508

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	: 21	21	25	23
7. Sulphur dioxide Concentration (mg/Nm <sup>3</sup> )	: --	36	--	--
8. Oxides of nitrogen Concentration (mg/Nm <sup>3</sup> )	: --	391	--	--
<b>9. T.S.P.C.B Limits (SPM)</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

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

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

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/2017-095

Date: 02-02-2017

## 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	:	25-01-2017	25-01-2017	25-01-2017
Time of monitoring	:	02.00 p.m	03.20 p.m.	04.40 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)	:	228	116	47
4. Exit velocity of flue gases (m/sec)	:	9.31	8.42	3.81
5. Flow rate (m <sup>3</sup> /hr)	:	1,86,349	34,253	1,716

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	:	28	24	22
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<b>7. T.S.P.C.B Limits (SPM)</b>		<b>30</b>	<b>30</b>	<b>30</b>
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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: 08-04-2017

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/2017-096

Date: 02-02-2017

## 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: 26-01-2017

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	58	53
2. Near Cement Mill	64	57
3. Near Kiln	69	64
4. Near D.G Set Area	65	61
5. Near Canteen	47	43
6. Near Compressor House	71	64
7. Near Office	55	51
8. Near Limestone Crusher	64	56
9. Near Raw Mill	72	67
10. Near Guest House	52	44

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: 11-10-2017

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Accredited by :



REF.NO: GEL/ACL/007/WWA/2017-097

Date: 02-02-2017

## 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 : 26-01-2017  
Date of analysis : 27-01-2017  
Sample Particulars : **Domestic Effluent**      **Limits**      **Method Used**

1. pH	: 7.28	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 656	2100	„
3. Total Suspended Solids	: 32	200	„
4. Chemical Oxygen Demand	: 110	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 27	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/2017-098

Date: 02-02-2017

## 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 : 26-01-2017  
Time of monitoring : 10.15 a.m.

1. Stack diameter (m) : 0.15  
2. Stack cross sectional area (sq m) : 0.017  
3. Flue gas temperature (°C) : 139  
4. Exit velocity of flue gases (m/sec) : 13.43  
5. Flow rate (cum/hr) : 823

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	54	<b>115</b> IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> )	113	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> )	156	--- 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/2017-099

Date: 02-02-2017

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(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 : 26-01-2017  
Time of monitoring : 12.15 p.m.

1. Stack diameter (m)	:	0.315
2. Stack cross sectional area (sq m)	:	0.077
3. Flue gas temperature (°C)	:	224
4. Exit velocity of flue gases (m/sec)	:	11.64
5. Flow rate (cum/hr)	:	3,227

EMISSION DATA		Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	: 61	<b>115</b>	IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> )	: 159	---	IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> )	: 236	---	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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Date: 02-02-2017

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(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 : 26-01-2017  
Time of monitoring : 03.30 p.m.

1. Stack diameter (m) : 0.60  
2. Stack cross sectional area (sq m) : 0.283  
3. Flue gas temperature (°C) : 51  
4. Exit velocity of flue gases (m/sec) : 11.84  
5. Flow rate (cum/hr) : 12,063

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	21 <b>30</b>	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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