



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/2017-081

Date: 02-01-2016

## 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	24-12-2016	24 hr.	53	06	10	28
2.	Near Crusher	24-12-2016	24 hr.	58	08	12	33
3.	Near Kiln Stack Area	24-12-2016	24 hr.	62	11	09	36
<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 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/2017-082

Date: 02-01-2016

## 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	: 24-12-2016				
Time of monitoring	:	09.20 a.m.	10.50 a.m.	12.35 p.m.	02.25 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)	: 217	78	79	228	
4. Exit velocity of flue gases (m/sec)	: 9.59	12.63	12.36	13.56	
5. Flow rate (m <sup>3</sup> /hr)	: 1,83,323	12867	17,131	50,671	

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	: 16	19	23	26
7. Sulphur dioxide Concentration (mg/Nm <sup>3</sup> )	: 27	--	--	--
8. Oxides of nitrogen Concentration (mg/Nm <sup>3</sup> )	: 395	--	--	--

**7. T.S.P.C.B Limits (SPM) 30 30 30 30**

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

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Accredited by :



REF.NO: GEL/ACL/007/STM/2017-083

Date: 02-01-2016

## 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		24-12-2016	24-12-2016	25-12-2016	25-12-2016
Time of monitoring		04.05 p.m.	05.35 p.m.	09.50 a.m.	11.45 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	69	46	41
4. Exit velocity of flue gases (m/sec)	: 12.31	11.87	2.96	7.38
5. Flow rate (m <sup>3</sup> /hr)	: 3,146	24,229	1,470	2,125

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	: 18	21	24	27
<b>7. 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. 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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Accredited by :



REF.NO: GEL/ACL/007/STM/2017-084

Date: 02-01-2016

## 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	:	25-12-2016	25-12-2016	25-12-2016	25-12-2016
Time of monitoring	:	12.50 p.m.	02.35 p.m.	03.50 p.m.	05.35 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)	:	86	208	25	97
4. Exit velocity of flue gases (m/sec)	:	12.37	7.29	11.23	9.23
5. Flow rate (m <sup>3</sup> /hr)	:	46,224	2,45,119	25,671	50,839

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	:	24	19	22	27
7. Sulphur dioxide Concentration (mg/Nm <sup>3</sup> )	:	--	33	--	--
8. Oxides of nitrogen Concentration (mg/Nm <sup>3</sup> )	:	--	432	--	--
<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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Accredited by :



REF.NO: GEL/ACL/007/STM/2017-085

Date: 02-01-2016

## 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	:	26-12-2016	26-12-2016	26-12-2016
Time of monitoring	:	09.35 a.m	11.05 a.m.	12.25 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)	:	236	114	47
4. Exit velocity of flue gases (m/sec)	:	9.48	8.37	3.75
5. Flow rate (m <sup>3</sup> /hr)	:	1,89,752	34,049	1,687

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	:	28	22	20
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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/2017-086

Date: 02-01-2016

## 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: 26-12-2016

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	55	51
2. Near Cement Mill	63	56
3. Near Kiln	67	62
4. Near D.G Set Area	64	54
5. Near Canteen	49	44
6. Near Compressor House	70	59
7. Near Office	53	52
8. Near Limestone Crusher	65	57
9. Near Raw Mill	71	65
10. Near Guest House	51	48

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/2017-087

Date: 02-01-2016

## 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 : 26-12-2016  
Date of analysis : 27-12-2016  
Sample Particulars : **Domestic Effluent**      **Limits**      **Method Used**

1. pH	: 7.32	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 663	2100	„
3. Total Suspended Solids	: 36	200	„
4. Chemical Oxygen Demand	: 114	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 32	100	„
6. Oil & Grease	: 0.17	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/2017-088

Date:02-01-2016

## 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 : 26-12-2016  
Time of monitoring : 02.35 p.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) : 13.38  
5. Flow rate (cum/hr) : 819

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	46	<b>115</b> IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> )	116	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> )	148	--- 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/2017-089

Date: 02-01-2016

## 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 : 26-12-2016  
Time of monitoring : 03.50 p.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) : 11.56  
5. Flow rate (cum/hr) : 3,204

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	57	<b>115</b> IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> )	157	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> )	228	--- 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/2017-090

Date: 02-01-2016

## 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 : 26-12-2016  
Time of monitoring : 04.50 p.m.

1. Stack diameter (m)	:	0.60
2. Stack cross sectional area (sq m)	:	0.283
3. Flue gas temperature (°C)	:	47
4. Exit velocity of flue gases (m/sec)	:	11.79
5. Flow rate (cum/hr)	:	12,017

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