



ISO 9001:2008  
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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,  
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E-mail : globalelabs@gmail.com, globalelabs@rediffmail.com

Accredited by :



REF.NO: GEL/ACL/007/AAQ/2016-061

Date: 04-11-2016

## 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	28-10-2016	24 hr.	54	07	14	29
2.	Near Crusher	28-10-2016	24 hr.	59	10	17	32
3.	Near Kiln Stack Area	28-10-2016	24 hr.	63	13	09	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 24/07/2017  
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/2016-062

Date: 04-11-2016

## 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	: 28-10-2016				
Time of monitoring	:	09.30 a.m.	10.15 a.m.	11.20 a.m.	12.15 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)	: --	--	70	--	
4. Exit velocity of flue gases (m/sec)	: --	--	12.39	--	
5. Flow rate (m <sup>3</sup> /hr)	: --	--	17,173	--	

## EMISSION DATA

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

Not

e: 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 (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)

for GLOBAL ENVIRO LABS

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REF.NO: GEL/ACL/007/STM/2016-063

Date: 04-11-2016

## 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	:	28-10-2016	28-10-2016	28-10-2016	28-10-2016
Time of monitoring	:	02.15 p.m.	02.30 p.m.	03.15 p.m.	04.20 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)	:	--	--	46	44
4. Exit velocity of flue gases (m/sec)	:	--	--	2.89	7.29
5. Flow rate (m <sup>3</sup> /hr)	:	--	--	1,436	2,100

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	:	--	--	24	29
<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 (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**

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

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Accredited by :



REF.NO: GEL/ACL/007/STM/2016-064

Date: 04-11-2016

## 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	:	29-10-2016	29-10-2016	29-10-2016	29-10-2016
Time of monitoring	:	10.00 a.m.	11.50 a.m.	02.15 p.m.	03.30 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)	:	80	210	42	96
4. Exit velocity of flue gases (m/sec)	:	12.28	7.31	11.16	9.17
5. Flow rate (m <sup>3</sup> /hr)	:	45,888	2,45,791	25,512	50,508

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	:	24	22	26	28
7. Sulphur dioxide Concentration (mg/Nm <sup>3</sup> )	:	--	34	--	--
8. Oxides of nitrogen Concentration (mg/Nm <sup>3</sup> )	:	--	436	--	--

<b>9. T.S.P.C.B Limits (SPM)</b>		<b>30</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. 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/2016-065

Date: 04-11-2016

## 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	:	30-10-2016	30-10-2016	30-10-2016
Time of monitoring	:	09.45 a.m	10.50 a.m.	12.10 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)	:	225	114	43
4. Exit velocity of flue gases (m/sec)	:	9.38	8.28	3.69
5. Flow rate (m <sup>3</sup> /hr)	:	1,87,751	33,683	1,661

## EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm <sup>3</sup> )	:	27	25	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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Accredited by :



REF.NO: GEL/ACL/007/NQD/2016-066

Date: 04-11-2016

## 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: 30-10-2016

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	54	51
2. Near Cement Mill	62	55
3. Near Kiln	69	64
4. Near D.G Set Area	67	56
5. Near Canteen	51	47
6. Near Compressor House	68	57
7. Near Office	53	49
8. Near Limestone Crusher	61	54
9. Near Raw Mill	70	62
10. Near Guest House	52	46

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/2016-067

Date: 04-11-2016

## 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 : 30-10-2016  
Date of analysis : 31-10-2016  
Sample Particulars : **Domestic Effluent**      **Limits**      **Method Used**

1. pH	: 7.24	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 648	2100	„
3. Total Suspended Solids	: 31	200	„
4. Chemical Oxygen Demand	: 104	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 21	100	„
6. Oil & Grease	: 0.16	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/2016-068

Date:04-11-2016

## 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 : 30-10-2016  
Time of monitoring : 01.15 p.m.

1. Stack diameter (m) : 0.15  
2. Stack cross sectional area (sq m) : 0.017  
3. Flue gas temperature (°C) : 131  
4. Exit velocity of flue gases (m/sec) : 13.29  
5. Flow rate (cum/hr) : 813

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> ) : 31	<b>115</b>	IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> ) : 107	---	IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> ) : 129	---	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/2016-069

Date: 04-11-2016

## 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 : 30-10-2016  
Time of monitoring : 02.30 p.m.

1. Stack diameter (m) : 0.315  
2. Stack cross sectional area (sq m) : 0.077  
3. Flue gas temperature (°C) : 210  
4. Exit velocity of flue gases (m/sec) : 11.46  
5. Flow rate (cum/hr) : 3,177

EMISSION DATA		Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	: 49	<b>115</b>	IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m <sup>3</sup> )	: 154	---	IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m <sup>3</sup> )	: 221	---	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/2016-070

Date: 04-11-2016

## 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 : 30-10-2016  
Time of monitoring : 03.15 p.m.

1. Stack diameter (m)	:	0.60
2. Stack cross sectional area (sq m)	:	0.283
3. Flue gas temperature (°C)	:	49
4. Exit velocity of flue gases (m/sec)	:	11.81
5. Flow rate (cum/hr)	:	12,032

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m <sup>3</sup> )	13 <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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