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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, 1st 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/2017-101

Date: 03-03-2017

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 ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM _{2.5} (µg/m ³)
1.	Near Security Gate	22-02-2017	24 hr.	52	05	09	29
2.	Near Crusher	22-02-2017	24 hr.	58	12	08	34
3.	Near Kiln Stack Area	22-02-2017	24 hr.	64	10	18	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 24/07/2017

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

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/2017-102

Date: 03-03-2017

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	: 22-02-2017				
Time of monitoring	:	09.30 a.m.	11.10 a.m.	12.40 p.m.	02.30 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)	: 221	76	81	234	
4. Exit velocity of flue gases (m/sec)	: 9.67	12.56	12.34	13.61	
5. Flow rate (m ³ /hr)	: 1,84,852	12,796	17,103	50,858	

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 18	21	24	29
7. Sulphur dioxide Concentration (mg/Nm ³)	: 21	--	--	--
8. Oxides of nitrogen Concentration (mg/Nm ³)	: 399	--	--	--

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

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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Note: All the values are



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REF.NO: GEL/ACL/007/STM/2017-103

Date: 03-03-2017

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		22-02-2017	22-02-2017	23-02-2017	23-02-2017
Time of monitoring		03.50 p.m	05.20 p.m	09.10 a.m	10.35 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)		46	68	48	45
4. Exit velocity of flue gases (m/sec)		12.37	11.64	2.81	7.62
5. Flow rate (m ³ /hr)		3,162	23,760	1,396	2,195

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 17	22	26	19
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. 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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REF.NO: GEL/ACL/007/STM/2017-105

Date: 03-03-2017

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	:	24-02-2017	24-02-2017	24-02-2017
Time of monitoring	:	10.00 a.m	11.40 a.m	02.10 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)	:	223	114	49
4. Exit velocity of flue gases (m/sec)	:	9.28	8.36	3.76
5. Flow rate (m ³ /hr)	:	1,85,748	34,008	1,692

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	26	22	24
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7. T.S.P.C.B Limits (SPM)		30	30	30
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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/2017-106

Date: 03-03-2017

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: 24-02-2017

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	59	52
2. Near Cement Mill	65	56
3. Near Kiln	67	61
4. Near D.G Set Area	63	59
5. Near Canteen	48	44
6. Near Compressor House	72	65
7. Near Office	56	53
8. Near Limestone Crusher	64	57
9. Near Raw Mill	71	66
10. Near Guest House	51	43

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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REF.NO: GEL/ACL/007/WWA/2017-107

Date: 03-03-2017

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 : 24-02-2017

Date of analysis : 25-02-2017

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

1. pH	:	7.26	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	:	641	2100	„
3. Total Suspended Solids	:	29	200	„
4. Chemical Oxygen Demand	:	104	250	„
5. Biological Oxygen Demand (3 days at 27°C)	:	26	100	„
6. Oil & Grease	:	0.13	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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REF.NO: GEL/ACL/007/STM/2017-108

Date: 03-03-2017

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 : 24-02-2017
Time of monitoring : 03.30 p.m.

1. Stack diameter (m) : 0.15
2. Stack cross sectional area (sq m) : 0.017
3. Flue gas temperature (°C) : 134
4. Exit velocity of flue gases (m/sec) : 13.26
5. Flow rate (cum/hr) : 812

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	51	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	110	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	144	--- 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/2017-109

Date: 03-03-2017

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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 1250 KVA D.G Set
Date of sampling : 24-02-2017
Time of monitoring : 04.40 p.m.

1. Stack diameter (m) : 0.315
2. Stack cross sectional area (sq m) : 0.077
3. Flue gas temperature (°C) : 218
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 ³)	64	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	161	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	238	--- 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/2017-110

Date: 03-03-2017

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 CSP Dust Collector – Line-II
Date of sampling : 24-02-2017
Time of monitoring : 05.45 p.m.

1. Stack diameter (m)	:	0.60
2. Stack cross sectional area (sq m)	:	0.283
3. Flue gas temperature (°C)	:	52
4. Exit velocity of flue gases (m/sec)	:	11.89
5. Flow rate (cum/hr)	:	12,114

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	23 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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