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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,
Hyderabad - 500 013. Ph : 65582886, 27407969, Fax : 27407969,

E-mail : globalelabs@gmail.com, globalelabs@rediffmail.com

Accredited by :



REF.NO: GEL/ACL/007/AAQ/2017-111

Date: 22-03-2017

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	13-03-2017	24 hr.	56	07	10	31
2.	Near Crusher	13-03-2017	24 hr.	61	15	12	36
3.	Near Kiln Stack Area	13-03-2017	24 hr.	68	13	17	39
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/2017-112

Date: 22-03-2017

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	: 13-03-2017				
Time of monitoring	:	09.40 a.m.	11.20 a.m.	12.50 p.m.	02.45 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)	: 210	74	79	226	
4. Exit velocity of flue gases (m/sec)	: 9.56	12.48	12.28	13.54	
5. Flow rate (m ³ /hr)	: 1,82,749	12,715	17,020	50,596	

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 21	24	19	26
7. Sulphur dioxide Concentration (mg/Nm ³)	: 18	--	--	--
8. Oxides of nitrogen Concentration (mg/Nm ³)	: 381	--	--	--

7. T.S.P.C.B Limits (SPM)	30	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. 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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REF.NO: GEL/ACL/007/STM/2017-113

Date: 22-03-2017

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		13-03-2017	13-03-2017	14-03-2017	14-03-2017
Time of monitoring		04.10 p.m	05.15 p.m	09.30 a.m	10.50 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)		44	65	49	47
4. Exit velocity of flue gases (m/sec)		12.31	11.51	2.86	7.51
5. Flow rate (m ³ /hr)		3,146	23,494	1,421	2,163

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: 22	25	27	18
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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Accredited by :



REF.NO: GEL/ACL/007/STM/2017-114

Date: 22-03-2017

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.	IX	X	XI	XII
Date of sampling	:	14-03-2017	14-03-2017	14-03-2017	14-03-2017
Time of monitoring	:	12.20 p.m	02.00 p.m	03.30 p.m	05.10 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)	:	81	204	36	86
4. Exit velocity of flue gases (m/sec)	:	12.36	7.28	11.26	9.06
5. Flow rate (m ³ /hr)	:	46,187	2,44,783	25,740	49,902

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	16	14	23	26
7. Sulphur dioxide Concentration (mg/Nm ³)	:	--	21	--	--
8. Oxides of nitrogen Concentration (mg/Nm ³)	:	--	369	--	--

7. T.S.P.C.B Limits (SPM)	30	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. 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/2017-115

Date: 22-03-2017

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	:	15-03-2017	15-03-2017	15-03-2017
Time of monitoring	:	09.45 a.m	11.30 a.m	02.00 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)	:	216	110	46
4. Exit velocity of flue gases (m/sec)	:	9.19	8.28	3.68
5. Flow rate (m ³ /hr)	:	1,83,947	33,683	1,656

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	24	19	21
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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/2017-116

Date: 22-03-2017

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: 15-03-2017

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	58	51
2. Near Cement Mill	64	57
3. Near Kiln	66	59
4. Near D.G Set Area	61	56
5. Near Canteen	47	42
6. Near Compressor House	71	64
7. Near Office	55	52
8. Near Limestone Crusher	63	55
9. Near Raw Mill	69	63
10. Near Guest House	48	41

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/2017-117

Date: 22-03-2017

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 : 15-03-2017

Date of analysis : 16-03-2017

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

1. pH	: 7.29	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 656	2100	„
3. Total Suspended Solids	: 31	200	„
4. Chemical Oxygen Demand	: 110	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 28	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/2017-118

Date: 22-03-2017

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 : 15-03-2017
Time of monitoring : 03.15 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) : 13.16
5. Flow rate (cum/hr) : 805

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	47	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	104	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	141	--- 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/2017-119

Date: 22-03-2017

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 1250 KVA D.G Set
Date of sampling : 15-03-2017
Time of monitoring : 04.30 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) : 11.44
5. Flow rate (cum/hr) : 3,171

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	71	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	174	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	248	--- 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/2017-120

Date: 22-03-2017

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 : 15-03-2017
Time of monitoring : 05.40 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) : 11.76
5. Flow rate (cum/hr) : 11,981

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	21 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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