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GLOBAL ENVIRO LABS

Recognised by MoEF, Govt, Vide Gazette No. : S.O.1190(E) (Valid upto 30-04-2019)

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

Accredited by :



REF.NO: GEL/ACL/007/AAQ/2017-001

Date: 01-05-2017

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	21-04-2017	24 hr.	51	05	08	28
2.	Near Crusher	21-04-2017	24 hr.	56	13	10	33
3.	Near Kiln Stack Area	21-04-2017	24 hr.	63	11	15	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 08/04/2018
Respirable Dust Sampler Model RDS 9000 (Sl. No. 070703), Next Calibration due on 08/04/2018
Respirable Dust Sampler Model RDS 9000 (Sl. No. 070702), Next Calibration due on 08/04/2018

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/2017-002

Date: 01-05-2017

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	: 21-04-2017				
Time of monitoring	:	09.30 a.m.	10.20 a.m.	11.10 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)	: --	--	--	--	
4. Exit velocity of flue gases (m/sec)	: --	--	--	--	
5. Flow rate (m ³ /hr)	: --	--	--	--	

EMISSION DATA

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

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2018

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

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REF.NO: GEL/ACL/007/STM/2017-003

Date: 01-05-2017

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	:	21-04-2017	21-04-2017	21-04-2017	21-04-2017
Time of monitoring	:	02.10 p.m	03.15 p.m	04.00 p.m	05.10 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)	:	--	--	--	--
4. Exit velocity of flue gases (m/sec)	:	--	--	--	--
5. Flow rate (m ³ /hr)	:	--	--	--	--

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	--	--	--	--
--	---	----	----	----	----

7. T.S.P.C.B Limits (SPM)		30	30	30	30
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Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2018

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 (Not in Operation)

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Accredited by :



REF.NO: GEL/ACL/007/STM/2017-004

Date: 01-05-2017

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		22-04-2017	22-04-2017	22-04-2017	22-04-2017
Time of monitoring		10.00 a.m	11.10 a.m	02.00 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)	:	--	210	43	81
4. Exit velocity of flue gases (m/sec)	:	--	7.36	11.39	9.18
5. Flow rate (m ³ /hr)	:	--	2,47,473	26,038	50,563

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	--	17	21	24
7. Sulphur dioxide Concentration (mg/Nm ³)	:	--	24	--	--
8. Oxides of nitrogen Concentration (mg/Nm ³)	:	--	381	--	--

9. 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: 08-04-2018

Note: **Stack No. IX : Attached to Cement Mill – II – Line – 1 (Not in Operation)**

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/2017-005

Date: 01-05-2017

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	:	23-04-2017	23-04-2017	23-04-2017
Time of monitoring	:	09.30 a.m	11.00 a.m	12.30 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)	:	226	114	48
4. Exit velocity of flue gases (m/sec)	:	9.24	8.36	3.81
5. Flow rate (m ³ /hr)	:	1,84,948	34,008	1,715

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	27	22	19
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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: 08-04-2018

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/2017-006

Date: 01-05-2017

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: 23-04-2017

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	56	49
2. Near Cement Mill	63	58
3. Near Kiln	62	55
4. Near D.G Set Area	57	52
5. Near Canteen	49	44
6. Near Compressor House	72	66
7. Near Office	58	54
8. Near Limestone Crusher	65	57
9. Near Raw Mill	71	65
10. Near Guest House	49	42

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/2017-007

Date: 01-05-2017

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 : 23-04-2017
Date of analysis : 24-04-2017
Sample Particulars : **Domestic Effluent** **Limits** **Method Used**

1. pH	: 7.16	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 639	2100	„
3. Total Suspended Solids	: 27	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/2017-008

Date: 01-05-2017

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 : 23-04-2017
Time of monitoring : 02.10 p.m.

1. Stack diameter (m) : 0.15
2. Stack cross sectional area (sq m) : 0.017
3. Flue gas temperature (°C) : 128
4. Exit velocity of flue gases (m/sec) : 13.24
5. Flow rate (cum/hr) : 810

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	54	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	112	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	154	--- 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: 08-04-2018

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Accredited by :



REF.NO: GEL/ACL/007/STM/2017-009

Date: 01-05-2017

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 : 23-04-2017
Time of monitoring : 03.15 p.m.

1. Stack diameter (m) : 0.315
2. Stack cross sectional area (sq m) : 0.077
3. Flue gas temperature (°C) : 198
4. Exit velocity of flue gases (m/sec) : 11.21
5. Flow rate (cum/hr) : 3,107

EMISSION DATA		Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	: 67	115	IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	: 164	---	IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	: 239	---	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: 08-04-2018

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Accredited by :



REF.NO: GEL/ACL/007/STM/2017-010

Date: 01-05-2017

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 : 23-04-2017
Time of monitoring : 04.30 p.m.

1. Stack diameter (m) : 0.60
2. Stack cross sectional area (sq m) : 0.283
3. Flue gas temperature (°C) : 46
4. Exit velocity of flue gases (m/sec) : 11.64
5. Flow rate (cum/hr) : 11,859

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³) : 17	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: 08-04-2018

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