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GLOBAL ENVIRO LABS

Recognised by MoEF, Gov, 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/2016-140

Date: 22-03-2016

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 ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM _{2.5} (µg/m ³)
1.	Near Security Gate	13-03-2016	24 hr.	51	06	09	30
2.	Near Crusher	13-03-2016	24 hr.	56	10	14	34
3.	Near Kiln Stack Area	13-03-2016	24 hr.	64	07	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 24/07/2016

Fine Particulate Sampler Model APM 550 (Sl. No. 449-DTH-2010), Next Calibration due on 24/07/2016

Fine Particulate Sampler Model APM 550 (Sl. No. 288-DTE-2010), Next Calibration due on 24/07/2016

Respirable Dust Sampler Model RDS 9000 (Sl. No. 061254), Next Calibration due on 08/04/2016

Respirable Dust Sampler Model RDS 9000 (Sl. No. 070703), Next Calibration due on 08/04/2016

Respirable Dust Sampler Model RDS 9000 (Sl. No. 070702), Next Calibration due on 08/04/2016

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/2016-141

Date: 22-03-2016

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	: 13-03-2016				
Time of monitoring	:	09.30 a.m.	10.00 a.m.	10.30 a.m.	12.05 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)	: --	--	79	--	
4. Exit velocity of flue gases (m/sec)	: --	--	12.54	--	
5. Flow rate (m ³ /hr)	: --	--	17,380	--	

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: --	--	23	--	
7. T.S.P.C.B Limits (SPM)		50	50	50	50

Note: All the values are within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2016

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 – Line – 1

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

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Accredited by :



REF.NO: GEL/ACL/007/STM/2016-142

Date: 22-03-2016

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	:	13-03-2016	13-03-2016	13-03-2016	13-03-2016
Time of monitoring	:	12.30 p.m.	01.15 p.m.	01.45 p.m.	02.00 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)	:	--	--	--	45
4. Exit velocity of flue gases (m/sec)	:	--	--	--	7.39
5. Flow rate (m ³ /hr)	:	--	--	--	2,128

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	--	--	--	17
7. T.S.P.C.B Limits (SPM)		50	50	50	50

Note: All the values are within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2016

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

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REF.NO: GEL/ACL/007/STM/2016-143

Date: 22-03-2016

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	:	13-03-2016	14-03-2016	14-03-2016	14-03-2016
Time of monitoring	:	03.30 p.m.	09.15 a.m.	11.00 a.m.	02.00 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)	:	74	218	43	112
4. Exit velocity of flue gases (m/sec)	:	12.31	7.36	11.20	9.21
5. Flow rate (m ³ /hr)	:	46,000	2,47,473	25,603	50,728

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	26	32	38	29
7. T.S.P.C.B Limits (SPM)		50	50	50	50

Note: All the values are within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2016

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/2016-144

Date: 22-03-2016

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	:	14-03-2016	14-03-2016	15-03-2016
Time of monitoring	:	03.30 p.m	05.10 p.m.	09.15 a.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	118	40
4. Exit velocity of flue gases (m/sec)	:	9.38	8.31	3.76
5. Flow rate (m ³ /hr)	:	1,87,750	33,805	1,692

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	42	37	25
7. T.S.P.C.B Limits (SPM)		50	50	50

Note: All the values are within the limits prescribed by TSPCB.

Stack Kit Model/SL/No:SEA-90/000908, Next Calibration on: 08-04-2016

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/2016-145

Date: 22-03-2016

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: 15-03-2016

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	57	52
2. Near Cement Mill	68	65
3. Near Kiln	74	69
4. Near D.G Set Area	71	66
5. Near Canteen	58	56
6. Near Compressor House	69	67
7. Near Office	65	58
8. Near Limestone Crusher	68	65
9. Near Raw Mill	70	66
10. Near Guest House	54	49

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: 11-10-2016

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Accredited by :



REF.NO: GEL/ACL/007/WWA/2016-146

Date: 22-03-2016

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 : 15-03-2016
Date of analysis : 16-03-2016
Sample Particulars : **Domestic Effluent** **Limits** **Method Used**

1. pH	: 7.31	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 658	2100	„
3. Total Suspended Solids	: 37	200	„
4. Chemical Oxygen Demand	: 110	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 25	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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REF.NO: GEL/ACL/007/STM/2016-147

Date: 22-03-2016

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 : 15-03-2016
Time of monitoring : 11.00 a.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) : 13.54
5. Flow rate (cum/hr) : 829

EMISSION DATA		Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	: 53	115	IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	: 114	---	IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	: 149	---	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: 08-04-2016

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Accredited by :



REF.NO: GEL/ACL/007/STM/2016-148

Date: 22-03-2016

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 : 15-03-2016
Time of monitoring : 02.00 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) : 11.36
5. Flow rate (cum/hr) : 3,149

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)	: 161	---	IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	: 235	---	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: 08-04-2016

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REF.NO: GEL/ACL/007/STM/2016-149

Date: 22-03-2016

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 : 15-03-2016
Time of monitoring : 03.30 p.m.

1. Stack diameter (m) : 0.60
2. Stack cross sectional area (sq m) : 0.283
3. Flue gas temperature (°C) : 61
4. Exit velocity of flue gases (m/sec) : 12.10
5. Flow rate (cum/hr) : 12,327

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³) : 24	50	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: 08-04-2016

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