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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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Accredited by :



REF.NO: GEL/ACL/007/AAQ/2016-031

Date: 04-08-2016

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	20-07-2016	24 hr.	49	09	14	28
2.	Near Crusher	20-07-2016	24 hr.	62	11	16	31
3.	Near Kiln Stack Area	20-07-2016	24 hr.	57	04	13	35
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 08/04/2017

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/2016-032

Date: 04-08-2016

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	: 20-07-2016				
Time of monitoring	:	09.15 a.m.	09.45 a.m.	11.00 a.m.	12.00 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)	: --	--	90	--	
4. Exit velocity of flue gases (m/sec)	: --	--	12.32	--	
5. Flow rate (m ³ /hr)	: --	--	17,076	---	

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	: --	--	25	--
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: 08-04-2017

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 – Line – 1
Stack No. IV : Attached to Cooler Stack – Line – 1 (Not In operation)

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REF.NO: GEL/ACL/007/STM/2016-033

Date: 04-08-2016

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	:	20-07-2016	20-07-2016	21-07-2016	21-07-2016
Time of monitoring	:	03.00 p.m.	04.00 p.m.	09.30 a.m.	10.30 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	0.082
3. Flue gas temperature (°C)	:	--	--	--	38
4. Exit velocity of flue gases (m/sec)	:	--	--	--	7.42
5. Flow rate (m ³ /hr)	:	--	--	--	2,190

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	--	--	--	22
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: 08-04-2017

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 (Not In operation)

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

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Accredited by :



REF.NO: GEL/ACL/007/STM/2016-034

Date: 04-08-2016

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	:	21-07-2016	21-07-2016	21-07-2016	22-07-2016
Time of monitoring	:	11.30 a.m.	02.15 p.m.	04.00 p.m.	09.30 a.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)	:	85	220	44	110
4. Exit velocity of flue gases (m/sec)	:	12.16	7.41	11.10	9.13
5. Flow rate (m ³ /hr)	:	45,439	2,49,154	25,375	50,288

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	21	17	32	26
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7. T.S.P.C.B Limits (SPM)		50	50	50	50
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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/2016-035

Date: 04-08-2016

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	:	22-07-2016	22-07-2016	22-07-2016
Time of monitoring	:	10.45 a.m	12.00 p.m.	02.15 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	105	40
4. Exit velocity of flue gases (m/sec)	:	9.19	8.16	3.74
5. Flow rate (m ³ /hr)	:	1,83,947	33,195	1,683

EMISSION DATA

6. Suspended particulate matter Concentration (mg/Nm ³)	:	43	19	15
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7. T.S.P.C.B Limits (SPM)		50	50	50
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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/2016-036

Date: 04-08-2016

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: 22-07-2016

Location	Noise Levels in dB (A)	
	Day Time (1)	Night Time (2)
1. Near Security	56	52
2. Near Cement Mill	64	61
3. Near Kiln	74	69
4. Near D.G Set Area	69	63
5. Near Canteen	54	50
6. Near Compressor House	66	61
7. Near Office	62	56
8. Near Limestone Crusher	67	60
9. Near Raw Mill	71	67
10. Near Guest House	62	53

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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REF.NO: GEL/ACL/007/WWA/2016-037

Date: 04-08-2016

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	: 21-07-2016		
Date of analysis	: 22-07-2016		
Sample Particulars	: Domestic Effluent	Limits	Method Used
1. pH	: 7.22	5.5 – 9.0	IS: 2490 - 1982
2. Total Dissolved Solids	: 649	2100	„
3. Total Suspended Solids	: 32	200	„
4. Chemical Oxygen Demand	: 108	250	„
5. Biological Oxygen Demand (3 days at 27°C)	: 24	100	„
6. Oil & Grease	: 0.20	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/2016-038

Date:04-08-2016

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 : 22-07-2016
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) : 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)	101	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	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/2016-039

Date: 04-08-2016

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 : 22-07-2016
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) : 11.49
5. Flow rate (cum/hr) : 3,185

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³)	68	115 IS: 11255 (Part-I), 1985
7. Sulphur dioxide Concentration (mg/N m ³)	156	--- IS: 11255 (Part-II), 1985
8. Oxides of nitrogen Concentration (mg/N m ³)	241	--- 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/2016-040

Date: 04-08-2016

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 : 22-07-2016
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) : 50
4. Exit velocity of flue gases (m/sec) : 11.74
5. Flow rate (cum/hr) : 11,961

EMISSION DATA	Limits	Method Used
6. Suspended particulate matter Concentration (mg/N m ³) : 18	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: 08-04-2017

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