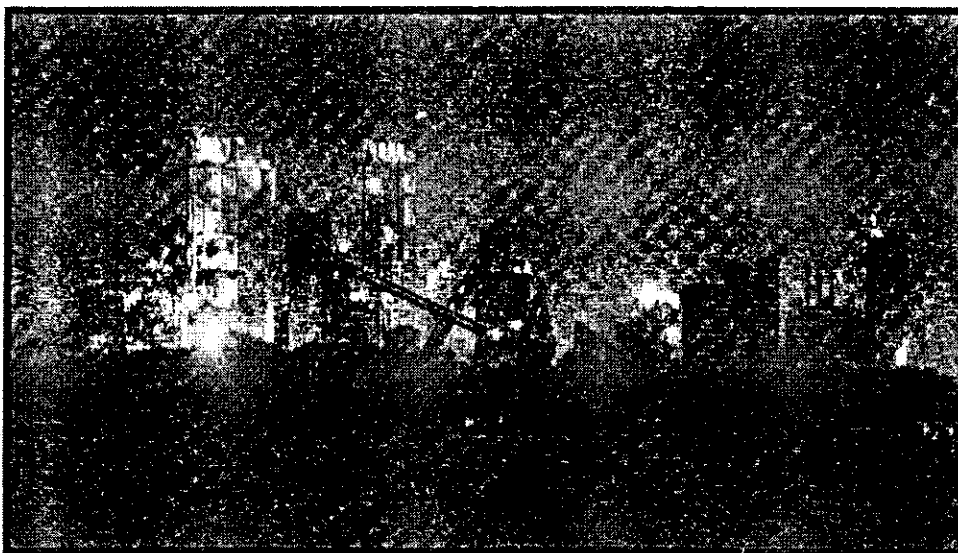


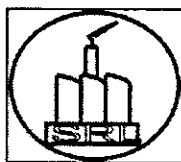
**M/S. NUVOCO VISTAS CORPORATION
LIMITED**

JOJOBERA , JAMSHEDPUR



ENVIRONMENTAL MONITORING REPORT

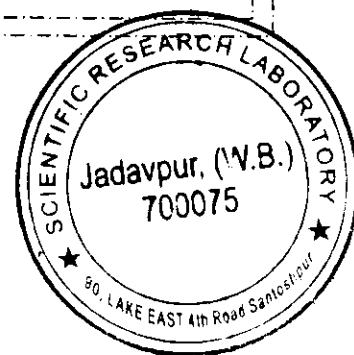
FOR THE MONTH OF OCTOBER 2017

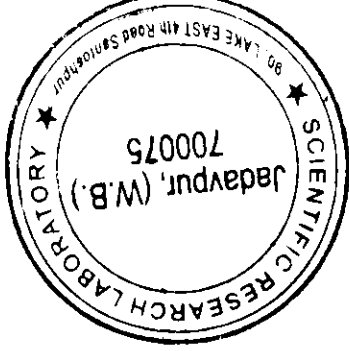


PREPARED BY

SCIENTIFIC RESEARCH LABORATORY

90, Lake East (4th Road), Santoshpur, Jadavpur, Kolkata-700075





Sl. No.	MONITORING REPORTS
1.	Stack Monitoring
2.	Noise Monitoring (inside)
3.	Ambient Air Quality Monitoring
4.	STP Water
5.	Effluent Water
6.	Drinking Water



MONTHLY REPORT INDEX



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Tele Fax : (033) 2416 2267, Tel. : (033) 2416 1311, E-mail : jyotirmoysrl@gmail.com
Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT [FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY : M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS : P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING : 04/10/2017;Time- -11:55 to 12:33 hrs
SAMPLE IDENTIFICATION NO. : LILJ-S- 353 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON : 06/10/2017
ANALYSIS COMPLETED ON : 24/10/2017
REPORT NO. : SRL/SEQS/LILJ/STACK-353/2017-18
REPORTING DATE : 25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to : BAG FILTER NO: 550 BF 2
2. Emission due to : COMBUSTION OF FURNACE OIL
3. Material of construction of Duct : MS
4. Shape of Stack/Duct : CIRCULAR
5. Whether stack is provide with permanent platform/ladder : Yes
6. Working Load : 75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level : 43.00 m
2. Height of the sampling point from Ground level : 41.65 m
3. Dimension of the Stack at sampling point : 1.23 m
4. Fuel used : Furnace Oil
5. Height of Sampling Port from L.D.Z : 9.65 m
6. Particular of the Plant : Cement Plant
7. Source of Energy : Furnace oil
8. Energy Consumption : 1.228hr/ MT

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	65	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	754	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	6.30	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	23613.67	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	28.15	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	24.84	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	0.20	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	20.2	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	20.25	30	C.P.C.B EMISSION Regulation on part 3

For Scientific Research Laboratory

Shivendu Day

(Senior Chemist)

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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT [FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA, JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	05/10/2017; Time - 13:24 to 13:48 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S-354 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	06/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK-354 / 2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO: 550 BF 4
2. Emission due to	:	PROCESS ACTIVITY (SLAG GRINDING CIRCUIT)
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	75 MT /hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	42.00 m
2. Height of the sampling point from Ground level	:	32.00 m
3. Dimension of the Stack at sampling point	:	1.00 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	28.00 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

C. RESULTS

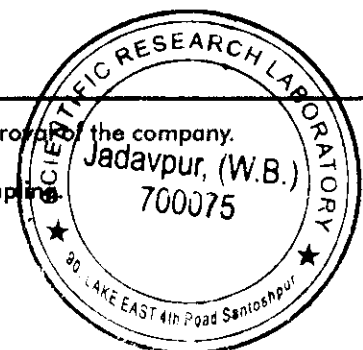
	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	56	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	741	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	5.24	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	12595.69	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	18.50	30	C.P.C.B EMISSION Regulation on part 3

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Shinendu Dey

(Senior Chemist)

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STACK EMISSION MONITORING TEST REPORT

[FORMAT NO: SRL/FM/50]

NAME OF THE INDUSTRY : M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS : P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING : 05/10/2017;Time- -12:05 to 12:39 hrs
SAMPLE IDENTIFICATION NO. : LILJ-S- 355/ 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON : 06/10/2017
ANALYSIS COMPLETED ON : 24/10/2017
REPORT NO. : SRL/SEQS/LILJ/STACK-355/2017-18
REPORTING DATE : 25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to : BAG FILTER NO: 550 BF 6
2. Emission due to : COMBUSTION OF FURNACE OIL
3. Material of construction of Duct : MS
4. Shape of Stack/Duct : CIRCULAR
5. Whether stack is provide with permanent platform/ladder : Yes
6. Working Load : 75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level : 56.00 m
2. Height of the sampling point from Ground level : 48.00 m
3. Dimension of the Stack at sampling point : 1.46 m
4. Fuel used : Furnace Oil
5. Height of Sampling Port from L.D.Z : 5.00 m
6. Particular of the Plant : Cement Plant
7. Source of Energy : Furnace oil
8. Energy Consumption : 1.228 ltr /MT

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	80	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	751	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	7.03	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	35404.63	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	41.12	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	28.38	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	0.20	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	19.60	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	17.11	30	C.P.C.B EMISSION Regulation on part 3

For Scientific Research Laboratory

Shimendu Das
(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT [FORMAT NO.SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	04/10 /2017;Time- -11:00 to 11:38 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 356 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	06/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK- 356 / 2017-18
REPORTING DATE	:	25/10/2017

A . GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO: 551 BF 2
2. Emission due to	:	COMBUSTION OF FURNACE OIL
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	75 MT /hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	56.00 m
2. Height of the sampling point from Ground level	:	40.66 m
3. Dimension of the Stack at sampling point	:	1.23 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	30.00 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	Furnace Oil
8. Energy Consumption	:	1.228 ltr/ MT

C. RESULT

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	72	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	753	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	6.11	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	22412.79	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	43.05	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	28.64	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	0.20	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	19.40	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	13.34	30	C.P.C.B EMISSION Regulation on part 3

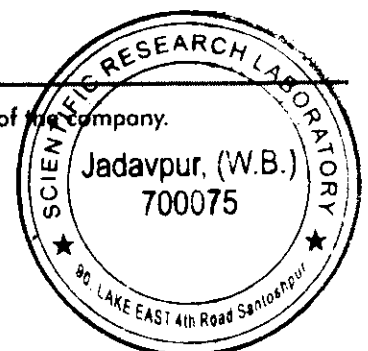
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Shivendu Day

(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT

[FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY	:	MIS NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	05/10/2017;Time- -13:58 to 14:26 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 357 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	6/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK-357 / 2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO: 551 BF 4
2. Emission due to	:	PROCESS ACTIVITY (SLAG GRINDING CIRCUIT)
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	40.00 m
2. Height of the sampling point from Ground level	:	36.00 m
3. Dimension of the Stack at sampling point	:	0.830 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	6.00 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

C. RESULTS

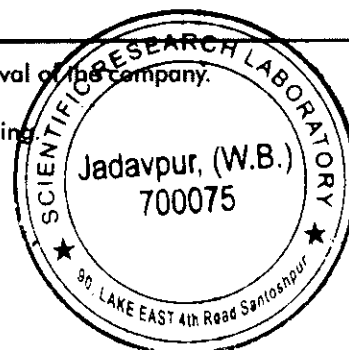
	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	60	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	750	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	4.58	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	10849.50	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
10.	Concentration of Particulate Matter	mg/ Nm ³	23.19	30	C.P.C.B EMISSION Regulation on part 3

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Shivendu Das

(Senior Chemist)

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STACK EMISSION MONITORING TEST REPORT
[FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY	: M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	: P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	: 05/10 /2017;Time- -12.46 to 13:18 hrs
SAMPLE IDENTIFICATION NO.	: LILJ-S- 358 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	: 06/10/2017
ANALYSIS COMPLETED ON	: 24/10/2017
REPORT NO.	: SRL/SEQS/LILJ/STACK- 358 / 2017-18
REPORTING DATE	: 25/10/2017

A . GENERAL INFORMATION ABOUT STACK

1. Stack connected to	: BAG FILTER NO 551 BF 6
2. Emission due to	: COMBUSTION OF FURNACE OIL
3. Material of construction of Duct	: MS
4. Shape of Stack/Duct	: CIRCULAR
5. Whether stack is provide with permanent platform/ladder	: Yes
6. Working Load	: 75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	: 56.00 m
2. Height of the sampling point from Ground level	: 48.00 m
3. Dimension of the Stack at sampling point	: 1.46 m
4. Fuel used	: Furnace Oil
5. Height of Sampling Port from L.D.Z	: 30.00 m
6. Particular of the Plant	: Cement Plant
7. Source of Energy	: Furnace oil
8. Energy Consumption	: 1.228 ltr / MT

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	70	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	750	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	7.35	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	38049.06	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	41.55	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	29.87	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	0.20	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	20.40	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	20.59	30	C.P.C.B EMISSION Regulation on part 3

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Shubendu Das

(Senior Chemist)





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[FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY : M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS : P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING : 05/10/2017;Time- -11:15 to 11:53 hrs
SAMPLE IDENTIFICATION NO. : LILJ-S- 359/ 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON : 06/10/2017
ANALYSIS COMPLETED ON : 24/10/2017
REPORT NO. : SRL/SEQS/LILJ/STACK-359/2017-18
REPORTING DATE : 25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to : BAG FILTER NO. 560 BF 1
2. Emission due to : PROCESS ACTIVITY (SLAG GRINDING CIRCUIT)
3. Material of construction of Duct : MS
4. Shape of Stack/Duct : CIRCULAR
5. Whether stack is provide with permanent platform/ladder : Yes
6. Working Load : -----

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level : 43.00 m
2. Height of the sampling point from Ground level : 40.65 m
3. Dimension of the Stack at sampling point : 0.980 m
4. Fuel used : N A
5. Height of Sampling Port from L.D.Z : 19.04 m
6. Particular of the Plant : Cement Plant
7. Source of energy : N A
8. Energy Consumption : N A

C. RESULTS

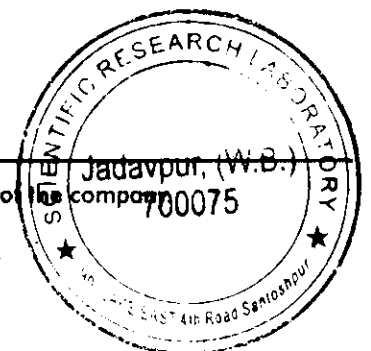
	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	47	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	750	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	3.22	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	8052.77	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
10.	Concentration of Particulate Matter	mg/ Nm ³	20.16	30	C.P.C.B EMISSION Regulation on part 3

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Shishendu Das

(Senior Chemist)

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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT

[FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY : M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS : P.O.-RAHARGORA, JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING : 03/10/2017; Time- 12:50 to 13:22 hrs
SAMPLE IDENTIFICATION NO. : LILJ-S- 360 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON : 04/10/2017
ANALYSIS COMPLETED ON : 24/10/2017
REPORT NO. : SRL/SEQS/LILJ/STACK- 360 / 2017-18
REPORTING DATE : 25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to : BAG FILTER NO: 565 BF 1
2. Emission due to : PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT
3. Material of construction of Duct : MS
4. Shape of Stack/Duct : CIRCULAR
5. Whether stack is provide with permanent platform/ladder : Yes
6. Working Load : -----

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level : 43.00 m
2. Height of the sampling point from Ground level : 40.80 m
3. Dimension of the Stack at sampling point : 0.680 m
4. Fuel used : N.A.
5. Height of Sampling Port from L.D.Z : 28.80 m
6. Particular of the Plant : Cement Plant
7. Source of Energy : N.A.
8. Energy Consumption : N.A.

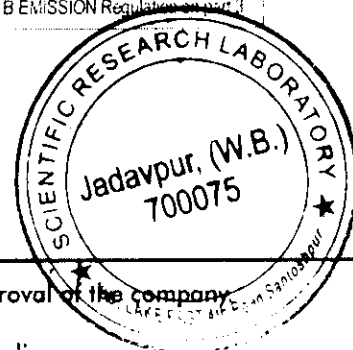
C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	41	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	755	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	6.92	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	8617.03	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	15.02	30	C.P.C.B EMISSION Regulation on part 3

For Scientific Research Laboratory

Shivendu Das

(Senior Chemist)



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Tele Fax : (033) 2416 2267, Tel. : (033) 2416 1311, E-mail : jyotirmoysrl@gmail.com
Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT [FORMAT NO: SRL/FM/50]

NAME OF THE INDUSTRY	: M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	: P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	: 03/10/2017;Time- -12:15 to 12:43 hrs
SAMPLE IDENTIFICATION NO.	: LILJ-S- 361 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	: 04/10/2017
ANALYSIS COMPLETED ON	: 24/10/2017
REPORT NO.	: SRL/SEQS/LILJ/STACK-361 / 2017-18
REPORTING DATE	: 25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	: BAG FILTER NO: 566 BF 1
2. Emission due to	: PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT
3. Material of construction of Duct	: MS
4. Shape of Stack/Duct	: CIRCULAR
5. Whether stack is provide with permanent platform/ladder	: Yes
6. Working Load	: 75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	: 43.00 m
2. Height of the sampling point from Ground level	: 41.00 m
3. Dimension of the Stack at sampling point	: 0.680 m
4. Fuel used	: N.A.
5. Height of Sampling Port from L.D.Z	: 29.23 m
6. Particular of the Plant	: Cement Plant
7. Source of Energy	: N.A.
8. Energy Consumption	: N.A.

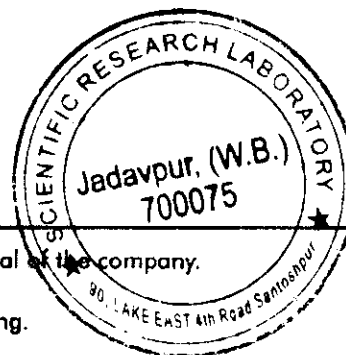
C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	64	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	755	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	8.22	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	N.A.	9427.60	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	19.50	30	C.P.C.B EMISSION Regulation on part 3

For Scientific Research Laboratory

Shrushti Dey

(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT [FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	04/10/2017;Time- -17:30 to 18:10 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 362 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	06/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK- 362 /2017-18
REPORTING DATE	:	25/10/2017

A . GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO: 567 BF 1
2. Emission due to	:	PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
35. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	43.00 m
2. Height of the sampling point from Ground level	:	40.57 m
3. Dimension of the Stack at sampling point	:	1.23 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	9.67 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	62	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	754	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	03.08	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	11333.9	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	15.58	30	C.P.C.B EMISSION Regulation on part 3

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Shimendu Das

(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT

[FORMAT NO: SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	04/10/2017; Time- -18:25 to 19:09 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 363 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	06/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK- 363 / 2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1 Stack connected to	:	BAG FILTER NO: 567 BF 2
2 Emission due to	:	PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT
3 Material of construction of Duct	:	MS
4 Shape of Stack/Duct	:	CIRCULAR
5 Whether stack is provide with permanent platform/ladder	:	Yes
6 Working Load	:	75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1 Height of the Stack from Ground level	:	43.00 m
2 Height of the sampling point from Ground level	:	40.94 m
3 Dimension of the Stack at sampling point	:	0.680 m
4 Fuel used	:	N.A.
5 Height of Sampling Port from L.D.Z	:	9.94 m
6 Particular of the Plant	:	Cement Plant
7 Source of Energy	:	N.A.
8 Energy Consumption	:	N.A.

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1	Temperature of emission	°C	40	-	C.P.C.B EMISSION Regulation on part 3
2	Barometric pressure	mm of Hg	754	-	C.P.C.B EMISSION Regulation on part 3
3	Exit Velocity of gas	m/sec	2.72	-	C.P.C.B EMISSION Regulation on part 3
4	Quantity of gas flow	Nm ³ /hr	3274.80	-	C.P.C.B EMISSION Regulation on part 3
5	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9	Concentration of Particulate Matter	mg/ Nm ³	23.82	30	C.P.C.B EMISSION Regulation on part 3

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Shivendu Das

(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT

[FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	03/10/2017;Time- -11:15 to 11:38 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 364 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	04/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK- 364 /2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO. 568 BF 1
2. Emission due to	:	PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	43.00 m
2. Height of the sampling point from Ground level	:	40.65 m
3. Dimension of the Stack at sampling point	:	1.23 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	9.65 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

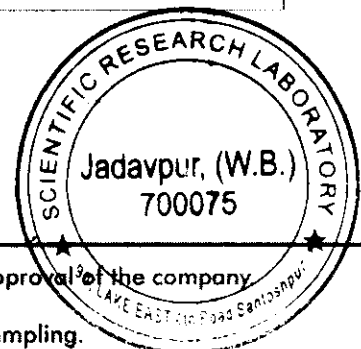
C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	85	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	755	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	10.65	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	37723.80	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	16.28	30	C.P.C.B EMISSION Regulation on part 3

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Shimendu Das

(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT

[FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	03/10/2017;Time- -15:00 to 15:28 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 365 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	04/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK-365 / 2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO. 568 BF 2
2. Emission due to	:	PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	75 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	43.00 m
2. Height of the sampling point from Ground level	:	40.79 m
3. Dimension of the Stack at sampling point	:	0.680 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	9.79 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

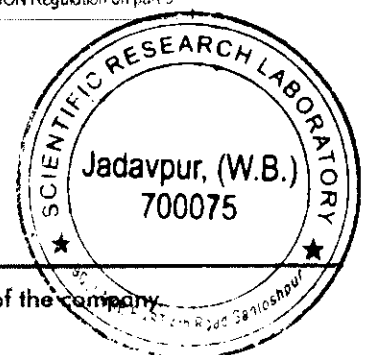
C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	51	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	753	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	4.56	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	5370.72	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	16.20	30	C.P.C.B EMISSION Regulation on part 3

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(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT [FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY	: M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	: P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	: 03/10/2017;Time- -13:15 to 13:44 hrs
SAMPLE IDENTIFICATION NO.	: LILJ-S- 366 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	: 04/10/2017
ANALYSIS COMPLETED ON	: 24/10/2017
REPORT NO.	: SRL/SEQS/LILJ/STACK- 366 / 2017-18
REPORTING DATE	: 25/10/2017

A . GENERAL INFORMATION ABOUT STACK

1. Stack connected to	: BAG FILTER NO: 570 BF 1
2. Emission due to	: PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT
3. Material of construction of Duct	: MS
4. Shape of Stack/Duct	: CIRCULAR
5. Whether stack is provide with permanent platform/ladder	: Yes
6. Working Load	: 135 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	: 43.00 m
2. Height of the sampling point from Ground level	: 27.76 m
3. Dimension of the Stack at sampling point	: 1.27 m
4. Fuel used	: N.A.
5. Height of Sampling Port from L.D.Z	: 17.76 m
6. Particular of the Plant	: Cement Plant
7. Source of Energy	: N.A.
8. Energy Consumption	: N.A.

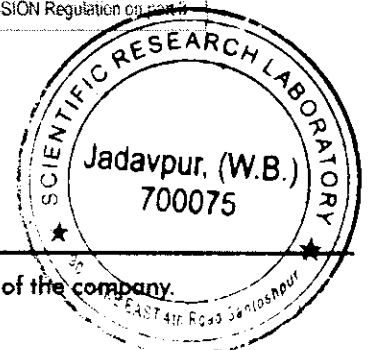
C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	76	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	753	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	4.59	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	16347.91	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	21.95	30	C.P.C.B EMISSION Regulation on part 3

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Shivesendu Das

(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT [FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY : MIS NUVOCO VISTAS CORPORATION LIMITED
 ADDRESS : P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
 DATE & TIME OF SAMPLING : 03/10/2017;Time- -13:55 to 14:25 hrs
 SAMPLE IDENTIFICATION NO. : LILJ-S- 367 / 2017-18
 SAMPLE RECEIVED & ANALYSIS STARTED ON : 04/10/2017
 ANALYSIS COMPLETED ON : 24/10/2017
 REPORT NO. : SRL/SEQS/LILJ/STACK- 367 / 2017-18
 REPORTING DATE : 25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to : BAG FILTER NO: 570 BF 2
 2. Emission due to : PROCESS ACTIVITY (CLINKER GRINDING CIRCUIT)
 3. Material of construction of Duct : MS
 4. Shape of Stack/Duct : CIRCULAR
 5. Whether stack is provide with permanent platform/ladder : Yes
 6. Working Load : 135 MT / hr

B. PHYSICAL CHARACTERISTICS OF STACK

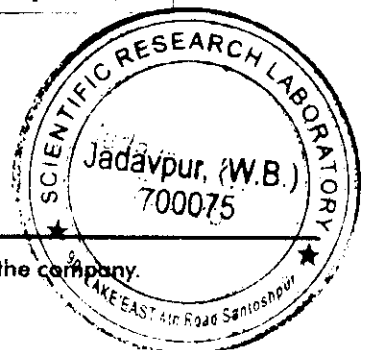
1. Height of the Stack from Ground level : 43.00 m
 2. Height of the sampling point from Ground level : 40.80 m
 3. Dimension of the Stack at sampling point : 0.687 m
 4. Fuel used : N.A.
 5. Height of Sampling Port from L.D.Z : 18.80 m
 6. Particular of the Plant : Cement Plant
 7. Source of Energy : N.A.
 8. Energy Consumption : N.A.

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1	Temperature of emission	°C	52	-	C P C B EMISSION Regulation on part 3
2	Barometric pressure	mm of Hg	755	-	C P C B EMISSION Regulation on part 3
3	Exit Velocity of gas	m/sec	7.4*	-	C P C B EMISSION Regulation on part 3
4	Quantity of gas flow	Nm ³ /hr	9025.67	-	C P C B EMISSION Regulation on part 3
5	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA 7
7	Concentration of Carbon Dioxide	%v/v	N.A.	-	C P C B EMISSION Regulation on part 3
8	Concentration of Oxygen	%v/v	N.A.	-	C P C B EMISSION Regulation on part 3
9	Concentration of Particulate Matter	mg/ Nm ³	22.68	30	C P C B EMISSION Regulation on part 2

Scientific Research Laboratory

Shivendu Dey
(Senior Chemist)



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Tele Fax : (033) 2416 2267, Tel. : (033) 2416 1311, E-mail : jyotirmoysrl@gmail.com
Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT

[FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY : M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS : P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING : 05/10/2017;Time- -17:00 to 17:28 hrs
SAMPLE IDENTIFICATION NO. : LILJ-S- 368 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON : 06/10/2017
ANALYSIS COMPLETED ON : 24/10/2017
REPORT NO. : SRL/SEQS/LILJ/STACK- 368 / 2017-18
REPORTING DATE : 25/10/2017

A . GENERAL INFORMATION ABOUT STACK

1. Stack connected to : BAG FILTER NO: 571 BF 1
2. Emission due to : PROCESS ACTIVITY (Clinker Grinding Circuit)
3. Material of construction of Duct : MS
4. Shape of Stack/Duct : CIRCULAR
5. Whether stack is provide with permanent platform/ladder : Yes
6. Working Load : 135 MT / Hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level : 30.00 m
2. Height of the sampling point from Ground level : 22.36 m
3. Diameter of the Stack at sampling point : 1.12 m
4. Fuel used : N.A.
5. Height of Sampling Port from L.D.Z : 7.62 m
6. Particular of the Plant : Cement Plant
7. Source of Energy : N.A.
8. Energy Consumption : N.A.

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1	Temperature of emission	°C	81	-	C.P.C.B EMISSION Regulation on part 3
2	Barometric pressure	mm of Hg	750	-	C.P.C.B EMISSION Regulation on part 3
3	Exit Velocity of gas	m/sec	4.79	-	C.P.C.B EMISSION Regulation on part 3
4	Quantity of gas flow	Nm ³ /hr	13682.94	-	C.P.C.B EMISSION Regulation on part 3
5	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9	Concentration of Particulate Matter	mg/ Nm ³	18.82	30	C.P.C.B EMISSION Regulation on part 3

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Shirendu Dey
(Senior Chemist)



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Website : www.scientificlab.org

STACK EMISSION MONITORING TEST REPORT

[FORMAT NO: SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	05/10/2017;Time- -16:00 to 16:44 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 369 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	06/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK- 369 / 2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO. 571 BF 2
2. Emission due to	:	PROCESS ACTIVITY (Clinker Grinding Circuit)
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	135 MT / Hr

B. PHYSICAL CHARACTERISTICS OF STACK

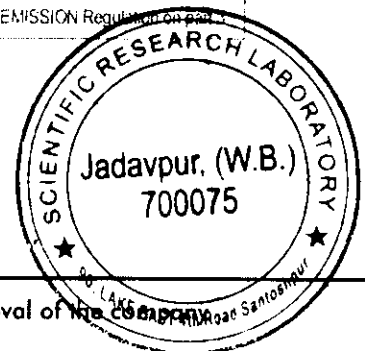
1. Height of the Stack from Ground level	:	30.00 m
2. Height of the sampling point from Ground level	:	22.36 m
3. Dimension of the Stack at sampling point	:	0.90 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	7.62 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	84	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	750	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	5.48	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	15724.17	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	22.42	30	C.P.C.B EMISSION Regulation on part 3

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Shivendu Day
(Senior Chemist)



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STACK EMISSION MONITORING TEST REPORT [FORMAT NO: SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA, JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	04/10/2017; Time- -14:05 to 14:34 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 370 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	06/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK- 370 / 2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO: 661 BF 1
2. Emission due to	:	PROCESS ACTIVITY (Packing Plant)
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	-----

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	40.00 m
2. Height of the sampling point from Ground level	:	34.00 m
3. Diameter of the Stack at sampling point	:	1.28 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	17.21 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

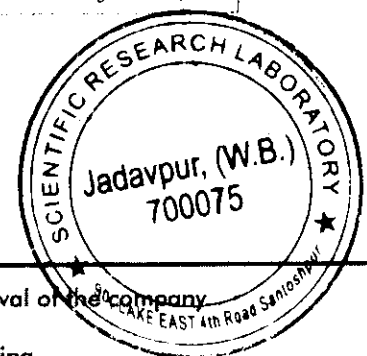
C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	47	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	754	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	4.15	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	17411.40	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
10.	Concentration of Particulate Matter	mg/ Nm ³	16.45	30	C.P.C.B EMISSION Regulation on part 3

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Shivendu Dey

(Senior Chemist)



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STACK EMISSION MONITORING TEST REPORT

[FORMAT NO: SRL/FM/50]

NAME OF THE INDUSTRY	:	M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS	:	P.O.-RAHARGORA, JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING	:	04/10/2017; Time- -14:55 to 15:19 hrs
SAMPLE IDENTIFICATION NO.	:	LILJ-S- 371 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON	:	06/10/2017
ANALYSIS COMPLETED ON	:	24/10/2017
REPORT NO.	:	SRL/SEQS/LILJ/STACK-371 / 2017-18
REPORTING DATE	:	25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to	:	BAG FILTER NO. 662 BF 1
2. Emission due to	:	PROCESS ACTIVITY (Packing Plant)
3. Material of construction of Duct	:	MS
4. Shape of Stack/Duct	:	CIRCULAR
5. Whether stack is provide with permanent platform/ladder	:	Yes
6. Working Load	:	-----

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level	:	40.00 m
2. Height of the sampling point from Ground level	:	34.00 m
3. Dimension of the Stack at sampling point	:	1.28 m
4. Fuel used	:	N.A.
5. Height of Sampling Port from L.D.Z	:	17.21 m
6. Particular of the Plant	:	Cement Plant
7. Source of Energy	:	N.A.
8. Energy Consumption	:	N.A.

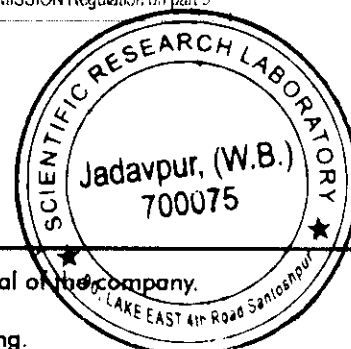
C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	46	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	750	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	5.09	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	21428.32	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
10.	Concentration of Particulate Matter	mg/ Nm ³	20.49	30	C.P.C.B EMISSION Regulation on part 3

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Shivendu Dey

(Senior Chemist)



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STACK EMISSION MONITORING TEST REPORT [FORMAT NO:SRL/FM/50]

NAME OF THE INDUSTRY : M/S NUVOCO VISTAS CORPORATION LIMITED
ADDRESS : P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
DATE & TIME OF SAMPLING : 04/10/2017;Time- -15:35 to 16:03 hrs
SAMPLE IDENTIFICATION NO. : LILJ-S- 372 / 2017-18
SAMPLE RECEIVED & ANALYSIS STARTED ON : 06/10/2017
ANALYSIS COMPLETED ON : 24/10/2017
REPORT NO. : SRL/SEQS/LILJ/STACK-372/2017-18
REPORTING DATE : 25/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to : BAG FILTER NO. 663 BF 1
2. Emission due to : PROCESS ACTIVITY (Packing Plant)
3. Material of construction of Duct : MS
4. Shape of Stack/Duct : CIRCULAR
5. Whether stack is provide with permanent platform/ladder : Yes
6. Working Load : -----

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level : 40.00 m
2. Height of the sampling point from Ground level : 34.00 m
3. Dimension of the Stack at sampling point : 1.28 m
4. Fuel used : N.A.
5. Height of Sampling Port from L.D.Z : 17.21 m
6. Particular of the Plant : Cement Plant
7. Source of Energy : N.A.
8. Energy Consumption : N.A.

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1.	Temperature of emission	°C	50	-	C.P.C.B EMISSION Regulation on part 3
2.	Barometric pressure	mm of Hg	751	-	C.P.C.B EMISSION Regulation on part 3
3.	Exit Velocity of gas	m/sec	4.41	-	C.P.C.B EMISSION Regulation on part 3
4.	Quantity of gas flow	Nm ³ /hr	18326.76	-	C.P.C.B EMISSION Regulation on part 3
5.	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6.	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7.	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8.	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9.	Concentration of Particulate Matter	mg/ Nm ³	22.17	30	C.P.C.B EMISSION Regulation on part 3

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Shivendu Dey

(Senior Chemist)



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STACK EMISSION MONITORING TEST REPORT

[FORMAT NO: SRL/FM/50]

NAME OF THE INDUSTRY : M/S NUVOCO VISTAS CORPORATION LIMITED
 ADDRESS : P.O.-RAHARGORA ,JOJOBERA, JAMSHEDPUR- 831016
 DATE & TIME OF SAMPLING : 23/10/2017;Time- -14:55 to 15:35 hrs
 SAMPLE IDENTIFICATION NO. : LILJ-S- 373 / 2017-18
 SAMPLE RECEIVED & ANALYSIS STARTED ON : 24/10/2017
 ANALYSIS COMPLETED ON : 30/10/2017
 REPORT NO. : SRL/SEQS/LILJ/STACK-373 / 2017-18
 REPORTING DATE : 31/10/2017

A. GENERAL INFORMATION ABOUT STACK

1. Stack connected to : V.R.M. : (456 DC 98)
 2. Emission due to : PROCESS ACTIVITY (Slag Grinding)
 3. Material at construction of Duct : MS
 4. Shape of Stack/Duct : CIRCULAR
 5. Whether stack is provide with permanent platform/ladder : Yes
 6. Working Load : 672945 M³ / hr

B. PHYSICAL CHARACTERISTICS OF STACK

1. Height of the Stack from Ground level : 65.00 m
 2. Height of the sampling point from Ground level : 28.80 m
 3. Dimension of the Stack at sampling point : 3.22 m
 4. Fuel used : N.A.
 5. Height of Sampling Port from L.D.Z : -----
 6. Nature of the Plant : Cement Plant
 7. Source of Energy : N.A.
 8. Energy Consumption : N.A.

C. RESULTS

	PARAMETERS	UNIT	RESULTS	NORMS	TEST METHOD/PROTOCOL
1	Temperature of emission	°C	100	-	C.P.C.B EMISSION Regulation on part 3
2	Barometric pressure	mm of Hg	736	-	C.P.C.B EMISSION Regulation on part 3
3	Exit Velocity of gas	m/sec	5.97	-	C.P.C.B EMISSION Regulation on part 3
4	Quantity of gas flow	Nm ³ /hr	135578.05	-	C.P.C.B EMISSION Regulation on part 3
5	Concentration of Sulphur Dioxide	mg/Nm ³	N.A.	-	USEPA-6
6	Concentration of Nitrogen Dioxide	mg/ Nm ³	N.A.	-	USEPA-7
7	Concentration of Carbon Dioxide	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
8	Concentration of Oxygen	%v/v	N.A.	-	C.P.C.B EMISSION Regulation on part 3
9	Concentration of Particulate Matter	mg/ Nm ³	16.65	30	C.P.C.B EMISSION Regulation on part 3

Scientific Research Laboratory

Shimendu Das

(Senior Chemist)



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