

TEST REPORT
(AMBIENT AIR QUALITY)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3134
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Station:	Approach Gate Security Cabin Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	30/12/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	29/12/2017
		Collection Time:	12:20
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23) - 2006	66.87	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	38.75	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	11.00	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	12.25	80.00
5	Ammonia (as NH ₃)	µg/m ³	SOP-TCH-033	BDL (DL: 10.0)	400.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

Note:

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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3135
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Station:	ADM Building Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	30/12/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	29/12/2017
		Collection Time:	12:40
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS 5182 (Part 23):2006	62.93	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	34.15	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	10.45	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	11.86	80.00
5	Ammonia (as NH ₃)	µg/m ³	SOP-TCH-033	BDL (DL: 10.0)	400.00

Remarks:

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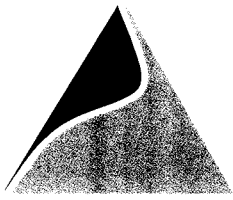
Authorised Signatory: Krishna Desai (Partner)

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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3133
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Station:	Electric Substation Terrace(Near Water Pond)	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	30/12/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	29/12/2017
		Collection Time:	12:00
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23) - 2006	73.18	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	47.86	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	12.04	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	13.01	80.00
5	Ammonia (as NH ₃)	µg/m ³	SOP-TCH-033	BDL (DL: 10.0)	400.00

Remarks:

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Checked By: G M Desai (Lab in-charge)

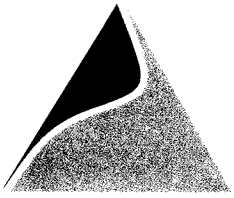
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3137
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Station:	Ammonia Loading Station Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	30/12/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	29/12/2017
		Collection Time:	13:00
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23) - 2006	71.98	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	46.47	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	11.52	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	14.78	80.00
5	Ammonia (as NH ₃)	µg/m ³	SOP-TCH-033	18.42	400.00

Remarks:

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Checked By: G M Desai (Lab in-charge)

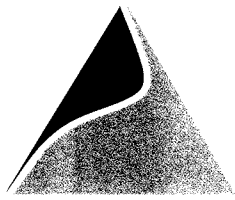
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3136
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Station:	Sikka Shore Terminal Site (Near WorkShop)	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	30/12/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	29/12/2017
		Collection Time:	13:15
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS 5182 (Part 23):2006	69.44	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	43.12	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	11.02	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	10.79	80.00
5	Ammonia (as NH ₃)	µg/m ³	SOP-TCH-033	15.33	400.00

Remarks:

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**TEST REPORT
(AIR EMISSION)**

**PRAKRUTI
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ENGINEERS**

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3124
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	DAP Train- A (S-1)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	Natural Gas	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	29/12/2017
Stack Diameter:	2150 mm	Collection Time:	13:00
Emission Temperature:	52 °C	Collected By:	Kiran Chauhan
Velocity:	19.71 m/s		
Flow:	257475.38 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	18.17	150.00
2	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6) 1999, R 2003	16.70	175.00
3*	Hydrogen Fluoride (as HF)	mg/Nm ³	Method 13 A, EPA: 2007	BDL (DL: 1.0)	25.00

Remarks:

1. BDL: Below Detactable Limit, DL: Detactable Limit

Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

Note:

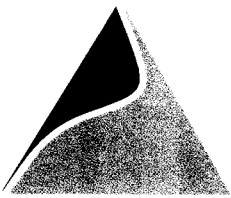
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**PRAKRUTI
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3125
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	DAP Train- B (S-2)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	Natural Gas	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	29/12/2017
Stack Diameter:	2150 mm	Collection Time:	13:50
Emission Temperature:	51 °C	Collected By:	Kiran Chauhan
Velocity:	19.78 m/s		
Flow:	258389.80 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	16.85	150.00
2	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6) 1999, R 2003	14.91	175.00
3*	Hydrogen Fluoride (as HF)	mg/Nm ³	Method 13 A, EPA: 2007	BDL (DL: 1.0)	25.00

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Certificate No. T-2943

**TEST REPORT
(AIR EMISSION)**



Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3126
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	DAP Train- C (S-3)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	Natural Gas	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	29/12/2017
Stack Diameter:	3000 mm	Collection Time:	14:40
Emission Temperature:	50 °C	Collected By:	Kiran Chauhan
Velocity:	16.28 m/s		
Flow:	414065.52 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	16.76	150.00
2	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6) 1999, R 2003	15.81	175.00
3*	Hydrogen Fluoride (as HF)	mg/Nm ³	Method 13 A, EPA: 2007	BDL (DL: 1.0)	25.00

Remarks:

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Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

Note:

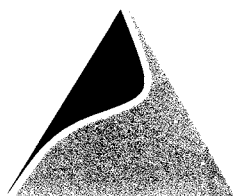
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ENVIRONMENTAL
ENGINEERS**



Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3132
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	Boiler No.-1 GT- 2479 (S-4)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	Natural Gas	Receipt Time:	20:45
Fuel Consumption:	100 m ³ /hr	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	29/12/2017
Stack Diameter:	1250 mm	Collection Time:	12:05
Emission Temperature:	98 °C	Collected By:	Kiran Chauhan
Velocity:	4.64 m/s		
Flow:	20488.50 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	6.03	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2) - 1985, R-2009	4.77 (1.82 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7) 2005	24.12 (12.82 ppm)	50 ppm

Remarks:

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Note:

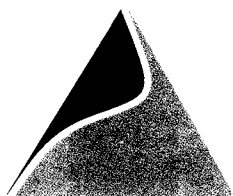
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3131
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	DG Set (30 KVA) Behind C-Train	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	HSD	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	29/12/2017
Stack Diameter:	100 mm	Collection Time:	15:25
Emission Temperature:	102 °C	Collected By:	Kiran Chauhan
Velocity:	13.88 m/s		
Flow:	392.25 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	31.16	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2) - 1985, R-2009	57.82 (22.09 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7) 2005	48.24 (25.64 ppm)	50 ppm

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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3130
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	Dedusting Old Cylo (S-6) Near Bagging	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	30/12/2017
Stack Diameter:	1028 mm	Collection Time:	11:00
Emission Temperature:	30 °C	Collected By:	Kiran Chauhan
Velocity:	13.52 m/s		
Flow:	40377.10 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	11.19	150.00

Remarks:

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Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

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Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	Dedusting (Bagging Plant-A)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	29/12/2017
Stack Diameter:	900 mm	Collection Time:	16:10
Emission Temperature:	30 °C	Collected By:	Kiran Chauhan
Velocity:	15.62 m/s		
Flow:	35755.12 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	12.21	150.00

Remarks:

1. BDL: Below Detactable Limit, DL: Detactable Limit

Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)**

**PRAKRUTI
ENVIRONMENTAL
ENGINEERS**

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3128
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	Dedusting (Bagging Plant-B)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	8 m	Collection Date:	29/12/2017
Stack Diameter:	900 mm	Collection Time:	17:55
Emission Temperature:	30 °C	Collected By:	Kiran Chauhan
Velocity:	15.54 m/s		
Flow:	35571.99 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	10.59	150.00

Remarks:

1. BDL: Below Detactable Limit, DL: Detactable Limit

Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**

**PRAKRUTI
ENVIRONMENTAL
ENGINEERS**

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3129
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Stack Attached To:	Dedusting New Cylo (Product Hardening Dedusting)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	30/12/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	8	Received By:	Hitesh Parmar
Stack Height:	30 m	Collection Date:	30/12/2017
Stack Diameter:	1100 mm	Collection Time:	10:05
Emission Temperature:	30 °C	Collected By:	Kiran Chauhan
Velocity:	15.02 m/s		
Flow:	51360.29 m ³ /hr		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1) - 1985, R-2009	11.38	150.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G M Desai (Lab in-charge)

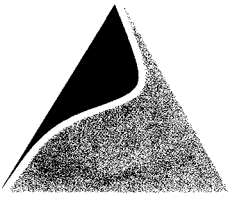
Authorised Signatory: Krishna Desai (Partner)

Note:

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TEST REPORT
(WATER AND WASTE WATER)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3122
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Sample Description:	Treated Domestic Effluent	Analysed By:	Ripple Vaidya
Sampling Point:	STP Outlet (Factory)	Receipt Date:	30/12/2017
Sample Type:	Grab	Receipt Time:	20:45
Field Observation:	pH: 7.5 Temperature: 27°C	Received By:	Hitesh Parmar
Sampling Method:	IS: 3025 (Part 1) - 1987, R 2009	Collection Date:	30/12/2017
Applicable Standard:	On land for Plantation	Collection Time:	10:30
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500-H ⁺ B, Standard Methods 22nd Edition	7.46	--
2	Total Suspended Solids	mg/l	APHA 2540 D, Standard Methods 22nd Edition	24.00	30.00
3	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/l	IS: 3025 (Part 44) - 1993	16.00	20.00
4	Chlorine (Residual as Cl ₂)	mg/l	APHA 4500-Cl G DPD Colorimetric KIT Method	0.80	> 0.50

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G M Desai (Lab in-charge)

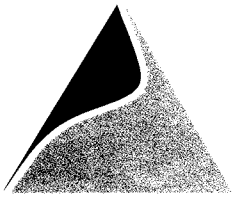
Authorised Signatory: Krishna Desai (Partner)

Note:

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TEST REPORT
(WATER AND WASTE WATER)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3123
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Analysis Date:	01/01/2018
Sample Description:	Treated Domestic Effluent	Analysed By:	Ripple Vaidya
Sampling Point:	STP Outlet (Colony)	Receipt Date:	30/12/2017
Sample Type:	Grab	Receipt Time:	20:45
Field Observation:	pH: 7.6 Temperature: 27°C	Received By:	Hitesh Parmar
Sampling Method:	IS: 3025 (Part 1) - 1987, R 2009	Collection Date:	30/12/2017
Applicable Standard:	On land for Plantation	Collection Time:	11:15
		Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500-H ⁺ B, Standard Methods 22nd Edition	7.57	--
2	Total Suspended Solids	mg/l	APHA 2540 D, Standard Methods 22nd Edition	26.00	30.00
3	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/l	IS: 3025 (Part 44) - 1993	18.00	20.00
4	Chlorine (Residual as Cl ₂)	mg/l	APHA 4500-Cl G DPD Colorimetric KIT Method	0.70	> 0.50

Remarks:

1. BDL: Below Detactable Limit, DL: Detactable Limit

Checked By: G M Desai (Lab in-charge)

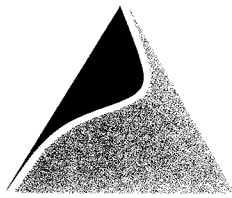
Authorised Signatory: Krishna Desai (Partner)

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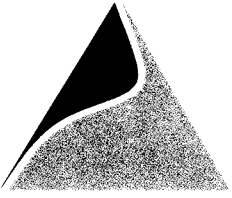
**TEST REPORT
NOISE LEVEL**

**PRAKRUTI
ENVIRONMENTAL
ENGINEERS**

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3138
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Monitoring Date:	29/12/2017
Monitored Method:	--	Monitored By:	Mayur Raj

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	ADM Building	29/12/2017	12:00:11	29/12/2017	12:17:09	0:16:58	63.7
2	Boiler House	29/12/2017	12:19:16	29/12/2017	12:35:02	0:15:46	72.3
3	DAP Plant Ground Floor	29/12/2017	12:36:55	29/12/2017	12:54:14	0:17:19	73.8
4	QC Laboratory	29/12/2017	13:12:02	29/12/2017	13:28:49	0:16:47	56.8
5	Control Room A/B Train	29/12/2017	13:33:17	29/12/2017	13:49:13	0:15:56	62.5
6	Control Room C Train	29/12/2017	13:54:29	29/12/2017	14:11:27	0:16:58	64.1
7	Control Room Bagging	29/12/2017	14:16:01	29/12/2017	14:33:42	0:17:41	62.8
8	Bentonite Cylo Room	29/12/2017	14:38:30	29/12/2017	14:54:27	0:15:57	67.9
9	Security Office Factory Side	29/12/2017	15:10:22	29/12/2017	15:27:11	0:16:49	60.8
10	Electrical Substation	29/12/2017	15:33:18	29/12/2017	15:51:17	0:17:59	59.2
11	ADM Building	29/12/2017	22:02:12	29/12/2017	22:18:31	0:16:19	58.6
12	Boiler House	29/12/2017	22:20:53	29/12/2017	22:38:16	0:17:23	71.6
13	DAP Plant Ground Floor	29/12/2017	22:40:07	29/12/2017	22:57:22	0:17:15	71.1
14	QC Laboratory	29/12/2017	23:03:11	29/12/2017	23:20:36	0:17:25	55.2
15	Control Room A/B Train	29/12/2017	23:25:47	29/12/2017	23:47:11	0:21:24	61.7
16	Control Room C Train	29/12/2017	23:52:16	30/12/2017	0:10:50	0:18:34	61.5
17	Control Room Bagging	30/12/2017	0:16:21	30/12/2017	0:33:19	0:16:58	60.9
18	Bentonite Cylo Room	30/12/2017	0:40:37	30/12/2017	1:02:12	0:21:35	62.3
19	Security Office Factory Side	30/12/2017	1:07:57	30/12/2017	1:22:48	0:14:51	57.2
20	Electrical Substation	30/12/2017	1:30:07	30/12/2017	1:50:22	0:20:15	55.8

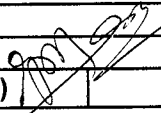
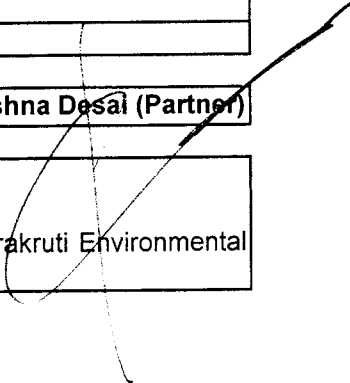
Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure) per day,	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	135	315
4	95	130	1000
3	97	125	3160
2	100	120	10000
1 1/2	102	1. No exposure in excess of 140 dB peak sound pressure level is permitted	
1	105		
3/4	107		
1/2	110		
1/4	115		
1. No exposure in excess of 115 dB(A) is to be permitted			
2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis			



**TEST REPORT
NOISE LEVEL)**

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

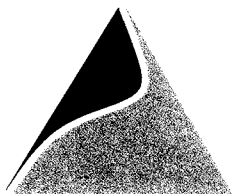
Remarks:

Checked By: G M Desai (Lab in-charge)  Authorised Signatory: Krishna Desai (Partner) 

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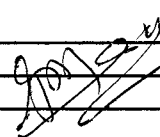
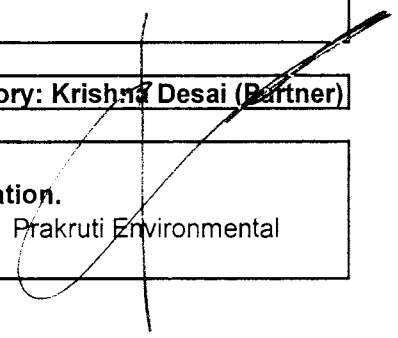
TEST REPORT
(METEOROLOGICAL MEASUREMENTS)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	3139
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	06/01/2018
Authorised Person:	Mr. S. A. Desai	Collected By:	Mayur Raj
Station:	A/B Train Terrace		
Field Observation:	--		
Monitoring Method/ Guidelines:	IS: 5182 (Part 14) - 2005		

DATE	TIME	8	WIND SPEED	TEMPERATURE	RELATIVE HUMIDITY
		TO	KMPH	°C	%
29/12/2017	12:00	NE→SW	11.0	26.0	36.0
	14:00	NW→SE	15.0	30.0	26.0
	16:00	NW→SE	12.0	29.0	30.0
	18:00	N→S	11.0	28.0	34.0
	20:00	NE→SW	6.0	23.0	51.0
	22:00	NE→SW	7.0	20.0	51.0
30/12/2017	0:00	NE→SW	6.0	19.0	53.0
	2:00	NE→SW	9.0	18.0	54.0
	4:00	NE→SW	6.0	15.0	57.0
	6:00	NE→SW	7.0	16.0	54.0
	8:00	NE→SW	7.0	16.0	42.0
	10:00	NE→SW	8.0	20.0	33.0
	12:00	NE→SW	10.0	25.0	30.0
MAX.			15.00	30.00	57.00
MIN.			6.00	15.00	26.00
AVG.			8.85	21.92	42.38

Remarks:

Checked By: G M Desai (Lab in-charge)  **Authorised Signatory: Krishna Desai (Partner)** 

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