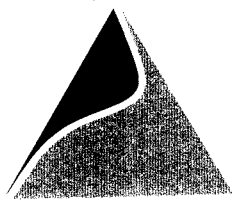


**TEST REPORT
(AMBIENT AIR QUALITY)**

PRAKRUTI
ENVIRONMENTAL
ENGINEERS



Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1121
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Station:	Approach Gate Security Cabin Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	01/07/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	30/06/2017
		Collection Time:	12:30
		Collected By:	Kiran Chauhan

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	EN 12341	57.94	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	24.61	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	10.42	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	11.74	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indophenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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

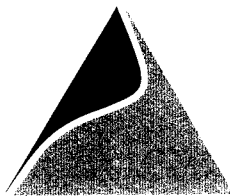
Checked By: G M Desai (Lab in-charge) *G M Desai* **Authorised Signatory: Krishna Desai (Partner)** *Krishna Desai*

Note:

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PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1122
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Station:	ADM Building Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	01/07/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	30/06/2017
		Collection Time:	12:45
		Collected By:	Kiran Chauhan

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS 5182 (Part 23):2006	56.50	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	23.96	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	7.9	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	11.20	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indophenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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

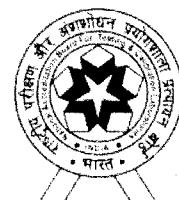
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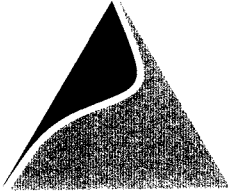
Authorised Signatory: Krishna Desai (Partner)

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TEST REPORT
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PRAKRUTI
ENVIRONMENTAL
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1120
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Station:	Electric Substation Terrace(Near Water Pond)	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	01/07/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	30/06/2017
		Collection Time:	12:15
		Collected By:	Kiran Chauhan

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	EN 12341	55.95	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	22.52	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	9.64	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	10.85	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indophenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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

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

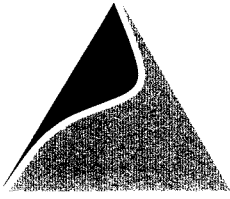
Authorised Signatory: Krishna Desai (Partner)

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PRAKRUTI
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1119
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Station:	Ammonia Loading Station Terrace	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	01/07/2017
Field Observation:	--	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	30/06/2017
		Collection Time:	12:00
		Collected By:	Kiran Chauhan

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23) - 2006	21.69	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	55.04	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	9.38	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	10.49	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indophenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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

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

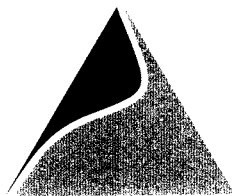
Authorised Signatory: Krishna Desai (Partner)

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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1118
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Station:	Sikka Shore Terminal Site (Near WorkShop)	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	01/07/2017
Field Observation:	---	Receipt Time:	20:45
Monitoring Method:	IS: 5182 (Part 14) & (Part 5)	Received By:	Hitesh Parmar
Applicable Standard:	NAAQS-2009	Collection Date:	30/06/2017
		Collection Time:	12:30
		Collected By:	Kiran Chauhan

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	EN 12341	53.08	100.00
2	Particulate Matter (as PM _{2.5})	µg/m ³	SOP-TCH-001	19.18	60.00
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2):2001, R 2012	8.98	80.00
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6):2006, R 2012	10.14	80.00
5	Ammonia (as NH ₃)	µg/m ³	Method of Air Sampling & Analysis, 3rd Edition, Indophenol Method 401	BDL (DL: 10.0)	400.00

Remarks:

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

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

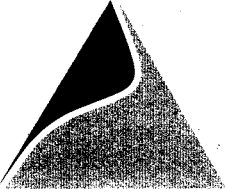
Authorised Signatory: Krishna Desai (Partner)

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TEST REPORT(AIR EMISSION)

PRAKRUTI

ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1111
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Stack Attached To:	DAP Train- C (S-3)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	01/07/2017
Fuel Type:	Natural Gas	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	55 m	Collection Date:	30/06/2017
Stack Diameter:	3000 mm	Collection Time:	13:00
Emission Temperature:	52 °C	Collected By:	Mayur Raj
Velocity:	16.20 m/s		
Flow:	412030.80 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	16.88	150
2	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6) 1999, R 2003	15.16	175
3*	Hydrogen Flourides (Total as F)	mg/Nm ³	Method 13 A, EPA	BDL (DL: 1.0)	25.00

Remarks:

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

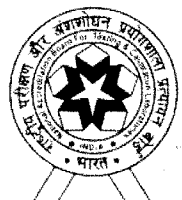
Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

Note:

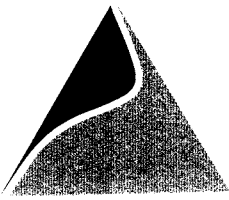
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TEST REPORT
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Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1112
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Stack Attached To:	Dedusting (Near Production Cylo) S-5	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	01/07/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	30 m	Collection Date:	30/06/2017
Stack Diameter:	850 mm	Collection Time:	13:45
Emission Temperature:	28 °C	Collected By:	Mayur Raj
Velocity:	12.49 m/s		
Flow:	25501.89 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	9.73	150

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
(AIR EMISSION)

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ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1113
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Stack Attached To:	Dedusting (Bagging Side) S-6	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	01/07/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	30 m	Collection Date:	30/06/2017
Stack Diameter:	1028 mm	Collection Time:	14:30
Emission Temperature:	28 °C	Collected By:	Mayur Raj
Velocity:	13.46 m/s		
Flow:	40197.91 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	12.65	150

Remarks:

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

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

Authorised Signatory: Krishna Desai (Partner)

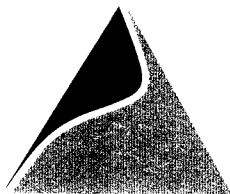
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TEST REPORT
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PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1114
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Stack Attached To:	Dedusting (Boiler Side) S-7	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	01/07/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	20 m	Collection Date:	30/06/2017
Stack Diameter:	1000 mm	Collection Time:	15:15
Emission Temperature:*	29 °C	Collected By:	Mayur Raj
Velocity:	14.52 m/s		
Flow:	41033.52 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	10.19	150

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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ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1115
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Stack Attached To:	Dedusting (ADM Building Side) S-8	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	01/07/2017
Fuel Type:	--	Receipt Time:	20:45
Fuel Consumption:	--	Received By:	Hitesh Parmar
Stack Height:	25 m	Collection Date:	30/06/2017
Stack Diameter:	300 mm	Collection Time:	16:00
Emission Temperature:	28 °C	Collected By:	Mayur Raj
Velocity:	13.96 m/s		
Flow:	3550.59 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	14.19	150

Remarks:

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

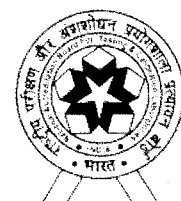
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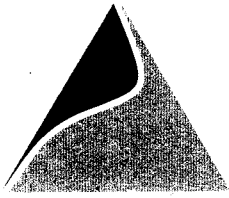
Authorised Signatory: Krishna Desai (Partner)

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ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1116
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Stack Attached To:	Boiler No.-1 GT- 2479 (S-4)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	01/07/2017
Fuel Type:	Natural Gas	Receipt Time:	20:45
Fuel Consumption:	100 m ³ /hr	Received By:	Hitesh Parmar
Stack Height:	30.5 m	Collection Date:	30/06/2017
Stack Diameter:	1250 mm	Collection Time:	12:15
Emission Temperature:	99 °C	Collected By:	Mayur Raj
Velocity:	4.55 m/s		
Flow:	20091.09 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	6.81	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2) - 1985, R-2009	4.19 (1.60 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7) 2005	17.06 (9.07 ppm)	50 ppm

Remarks:

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

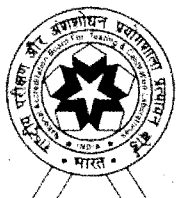
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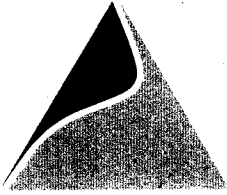
Authorised Signatory: Krishna Desai (Partner)

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ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1117
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Stack Attached To:	DG Set (125 KVA)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	01/07/2017
Fuel Type:	HSD	Receipt Time:	20:45
Fuel Consumption:	25 LPH	Received By:	Hitesh Parmar
Stack Height:	9 m	Collection Date:	30/06/2017
Stack Diameter:	100 mm	Collection Time:	16:45
Emission Temperature:	129 °C	Collected By:	Mayur Raj
Velocity:	12.78 m/s		
Flow:	361.16 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	47.02	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2) - 1985, R-2009	56.22 (21.48 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7) 2005	34.12 (18.14 ppm)	50 ppm

Remarks:

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

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

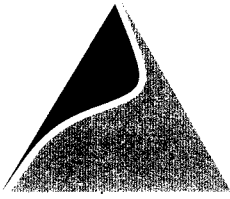
Authorised Signatory: Krishna Desai (Partner)

Note:

1. The tests marked with * are not accredited by NABL
2. The results refer only to the tested sample(s) and applicable parameter(s).
3. Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
4. This report is not to be reproduced wholly or in part without written approval from Prakruti Environmental Engineers.
5. Prakruti Environmental Engineers is not responsible for the authenticity of the sample(s) not collected by our Environmental Laboratory.

End of Report





TEST REPORT
(WATER AND WASTE WATER)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1109
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Analysis Date:	03/07/2017
Sample Description:	Treated Domestic Effluent	Analysed By:	S.R.Raj
Sampling Point:	STP Outlet (Factory)	Receipt Date:	01/07/2017
Sample Type:	Grab	Receipt Time:	20:45
Field Observation:	pH: 6.8 Temperature: 32°C	Received By:	Hitesh Parmar
Sampling Method:	IS: 3025 (Part 1) - 1987 (Reaffirmed 2009)	Collection Date:	01/07/2017
Applicable Standard:	On Land for Plantation	Collection Time:	11:30
		Collected By:	Kiran Chauhan

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500-H ⁺ B, Standard Methods 22nd Edition	6.82	--
2	Total Suspended Solids	mg/l	APHA 2540 D, Standard Methods 22nd Edition	21.00	30.00
3	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/l	IS: 3025 (Part 44) - 1993	8.00	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)

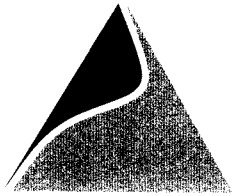
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End of Report



Certificate No. T-2943



TEST REPORT
(WATER AND WASTE WATER)

PRAKRUTI
ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd. (Sikka Unit)	Ref. No.:	1110
		Report Date:	08/07/2017
Location:	PO: Moti Khavadi, Dist: Jamnagar-361140	Analysis Date:	03/07/2017
Authorised Person:	Mr. S. A. Desai	Analysed By:	S.R.Raj
Sample Description:	Treated Domestic Effluent	Receipt Date:	01/07/2017
Sampling Point:	STP Outlet (Colony)	Receipt Time:	20:45
Sample Type:	Grab	Received By:	Hitesh Parmar
Field Observation:	pH: 7.1 Temperature: 32°C	Collection Date:	01/07/2017
Sampling Method:	IS: 3025 (Part 1) - 1987 (Reaffirmed 2009)	Collection Time:	10:00
Applicable Standard:	On Land for Plantation	Collected By:	Mayur Raj

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500-H ⁺ B, Standard Methods 22nd Edition	7.10	--
2	Total Suspended Solids	mg/l	APHA 2540 D, Standard Methods 22nd Edition	23.00	30.00
3	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/l	IS: 3025 (Part 44) – 1993	12.00	20.00
4	Chlorine (Residual as Cl ₂)	mg/l	APHA 4500-Cl G DPD Colorimetric KIT Method	0.60	> 0.50

Remarks:

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

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

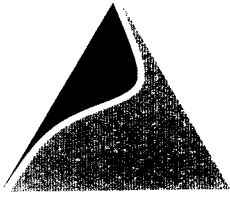
Authorised Signatory: Krishna Desai (Partner)

Note:

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End of Report





TEST REPORT(NOISE LEVEL)

PRAKRUTI

ENVIRONMENTAL
ENGINEERS

Customer:	Gujarat State Fertilizers & Chemicals Ltd.(Sikka Unit)	Ref. No.:	1123
Location:	PO: Moti Khavadi Dist: Jamnagar-361140	Report Date:	08/07/2017
Authorised Person:	Mr. S. A. Desai	Monitoring Date:	30/06/2017
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	30/06/2017	13:44:06	30/06/2017	14:07:53	0:23:47	63
2	Boiler House	30/06/2017	15:23:08	30/06/2017	16:03:49	0:40:41	71
3	DAP Plant Ground Floor	30/06/2017	16:06:10	30/06/2017	16:38:44	0:32:34	73
4	QC Laboratory	30/06/2017	16:44:09	30/06/2017	17:12:39	0:28:30	58
5	Control Room A/B Train	30/06/2017	17:13:43	30/06/2017	17:44:39	0:30:56	50
6	Control Room C Train	30/06/2017	17:54:39	30/06/2017	18:23:04	0:28:25	56
7	Control Room Bagging	30/06/2017	18:30:33	30/06/2017	19:01:04	0:30:31	58
8	Bentonite Cylo Room	30/06/2017	19:04:02	30/06/2017	19:41:36	0:37:34	60
9	Security Office Factory Side	30/06/2017	19:56:41	30/06/2017	20:28:22	0:31:41	59
10	Electrical Substation	30/06/2017	20:35:05	30/06/2017	20:44:59	0:09:54	55
11	ADM Building	30/06/2017	22:03:11	30/06/2017	22:30:17	0:27:06	57
12	Boiler House	30/06/2017	22:32:38	30/06/2017	23:00:18	0:27:40	59
13	DAP Plant Ground Floor	30/06/2017	23:04:36	30/06/2017	23:33:48	0:29:12	56
14	QC Laboratory	30/06/2017	23:36:08	01/07/2017	0:07:21	0:31:13	50
15	Control Room A/B Train	01/07/2017	0:11:28	01/07/2017	0:38:41	0:27:13	51
16	Control Room C Train	01/07/2017	0:47:42	01/07/2017	1:24:07	0:36:25	51
17	Control Room Bagging	01/07/2017	1:45:54	01/07/2017	2:17:45	0:31:51	50
18	Bentonite Cylo Room	01/07/2017	2:30:30	01/07/2017	3:00:17	0:29:47	48
19	Security Office Factory Side	01/07/2017	3:05:21	01/07/2017	3:32:19	0:26:58	49
20	Electrical Substation	01/07/2017	3:37:09	01/07/2017	4:04:04	0:26:55	48

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, in hours	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			