



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

- ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



TC-13877

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400010704F

TEST REPORT

Lab Inward No. : SL/24-25/10/MST/119	Date of Sampling : 29/10/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT) SURVEY NOS. 29/1, 31/1,27,39,41,44/3,42/1, 43/1,54,56/17,AMONA, BICHOLIM-GOA	Start of analysis : 30/10/2024
	End of Analysis : 06/11/2024
	Report Date : 06/11/2024
	Sample Drawn By : SATPL Representative 29/10/2024
Order / Reference: As Per TRF dated- 29/10/2024	
Monitoring For : Stack Emission	
Sampling Procedure : Each Analytical method covers the sampling procedure as well	
Limits : Consent No.12/2024-PCB/2197149/R00015270	

STACK DETAILS

Identification : BF 1 Baghouse				
Shape	Round	Cross sectional area (m ²)	2.1382	
Height (m)	30	Fuel Used	NA	
Material of Construction	MS	Consumption of Fuel (Kg/hr)	NA	
Temperature (°C)	52	Velocity Of Flue Gases (m/s)	10.14	
Diameter at port (m)	1.65	Volume Of Flue Gases (Nm ³ /hr)	71518.42	
		Load	NA	

RESULTS

Sr. No.	Description	Results	Limit	Unit	Method
1	Particulate Matter as (PM)	3.27	<30.0	mg/Nm ³	IS 11255(Part-1)1985;R 2019

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

Disclaimer: 'Information is supplied by customers represented in italic font'

Equipment's Calibration Details

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
I14C664	Stack Kit	SATPL/AIR/SMK/03	FF03217	16.03.2024	15.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025

Review By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

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TC-13877

ULR No.: TC138772400010705F

TEST REPORT

Lab Inward No. : SL/24-25/10/MST/120	Date of Sampling : 29/10/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT)	Start of analysis : 30/10/2024
	End of Analysis : 06/11/2024
	Report Date : 06/11/2024
SURVEY NOS. 29/1, 31/1,27,39,41,44/3,42/1, 43/1,54,56/17,AMONA, BICHOLIM-GOA	Sample Drawn By : SATPL Representative 29/10/2024

Order / Reference: As Per TRF dated- 29/10/2024

Monitoring For : Stack Emission

Sampling Procedure : Each Analytical method covers the sampling procedure as well

Limits : Consent No.12/2024-PCB/2197149/R00015270

STACK DETAILS

Identification : BF 2 Baghouse				
Shape	Round	Cross sectional area (m ²)	3.1415	
Height (m)	30	Fuel Used	NA	
Material of Construction	MS	Consumption of Fuel (Kg/hr)	NA	
Temperature (°C)	44	Velocity Of Flue Gases (m/s)	11.46	
Diameter at port (m)	2.0	Volume Of Flue Gases (Nm ³ /hr)	121891.02	
		Load	NA	

RESULTS

Sr. No.	Description	Results	Limit	Unit	Method
1	Particulate Matter as (PM)	3.68	<30.0	mg/Nm ³	IS 11255(Part-1)1985;R 2019

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

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Equipment's Calibration Details

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
114C664	Stack Kit	SATPL/AIR/SMK/03	FF03217	16.03.2024	15.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025

Review By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

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TC-13877

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No : TC138772400010706F

TEST REPORT

Lab Inward No. : SL/24-25/10/MST/121	Date of Sampling : 29/10/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT) SURVEY NOS. 29/1, 31/1,27,39,41,44/3,42/1, 43/1,54,56/17,AMONA, BICHOLIM-GOA	Start of analysis : 30/10/2024
	End of Analysis : 06/11/2024
	Report Date : 06/11/2024
Sample Drawn By : SATPL Representative 29/10/2024	

Order / Reference: As Per TRF dated- 29/10/2024

Monitoring For : Stack Emission

Sampling Procedure : Each Analytical method covers the sampling procedure as well

Limits : Consent No.12/2024-PCB/2197149/R00015270

STACK DETAILS

Identification : HOT BLAST STOVE 1				
Shape	ROUND	Cross sectional area (m ²)	2.9558	
Height (m)	45.0	Fuel Used	Blast Furnace Gas	
Material of Construction	M.S	Consumption of Fuel (Nm ³ /hr)	22000	
Temperature (°C)	158	Velocity Of Flue Gases (m/s)	9.31	
Diameter at port (m)	1.94	Volume Of Flue Gases (Nm ³ /hr)	68548.29	
		Load on DG[%]	NA	

RESULTS

Sr. No.	Description	Results	Limit	Unit	Method
1	Particulate Matter as (PM)	8.64	<30	mg/Nm ³	IS 11255(Part-1)1985;R 2019
2	Sulphur Dioxide (SO ₂)	24.73	<250	mg/Nm ³	IS 11255(Part-2)1985;R 2019
3	Oxides of Nitrogen as NO _x	24.62	<150	mg/Nm ³	IS 11255(Part-7)2005;R 2022

Note-NA-Not Applicable.

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

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Review By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

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TEST REPORT

Lab Inward No. : SL/24-25/10/MST/121	Date of Sampling : 29/10/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT) SURVEY NOS. 29/1, 31/1,27,39,41,44/3,42/1, 43/1,54,56/17,AMONA, BICHOLIM-GOA	Start of analysis : 30/10/2024
	End of Analysis : 06/11/2024
	Report Date : 06/11/2024
	Sample Drawn By : SATPL Representative 29/10/2024

Order / Reference: As Per TRF dated- 29/10/2024

Monitoring For : Stack Emission

Sampling Procedure : Each Analytical method covers the sampling procedure as well

Limits : Consent No.12/2024-PCB/2197149/R00015270

STACK DETAILS

Identification : HOT BLAST STOVE 1

Shape	ROUND	Cross sectional area (m ²)	2.9558	
Height (m)	45.0	Fuel Used	Blast Furnace Gas	
Material of Construction	M.S	Consumption of Fuel (Nm ³ /hr)	22000	
Temperature (°C)	158	Velocity Of Flue Gases (m/s)	9.31	
Diameter at port (m)	1.94	Volume Of Flue Gases (Nm ³ /hr)	68548.29	
		Load on DG[%]	NA	

RESULTS

Sr. No.	Description	Results	Limit	Unit	Method
4	Carbon Monoxide (CO)	255	<10000	PPM	Flue Gas Analyser

Note-NA-Not Applicable.

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

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EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
I14C664	Stack Kit	SATPL/AIR/SMK/03	FF03217	16.03.2024	15.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UV/34	F/SL/EQUIP-6.4/04-c/00	Inhouse Calibration Daily	

Review By,

For Shreeji Aqua Treatment Pvt.Ltd.

Sr.Analyst



Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

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TC-13877

ULR No : TC138772400010707F

TEST REPORT

Lab Inward No. : SL/24-25/10/MST/122	Date of Sampling : 29/10/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT) SURVEY NOS. 29/1, 31/1,27,39,41,44/3,42/1, 43/1,54,56/17,AMONA, BICHOLIM-GOA	Start of analysis : 30/10/2024
	End of Analysis : 06/11/2024
	Report Date : 06/11/2024
Sample Drawn By : SATPL Representative 29/10/2024	

Order / Reference: As Per TRF dated- 29/10/2024

Monitoring For : Stack Emission

Sampling Procedure : Each Analytical method covers the sampling procedure as well

Limits : Consent No.12/2024-PCB/2197149/R00015270

STACK DETAILS

Identification : HOT BLAST STOVE 2

Shape	ROUND	Cross sectional area (m ²)	2.4601	
Height (m)	45.0	Fuel Used	Blast Furnace Gas	
Material of Construction	M.S	Consumption of Fuel (Nm ³ /hr)	22000	
Temperature (°C)	160	Velocity Of Flue Gases (m/s)	8.96	
Diameter at port (m)	1.77	Volume Of Flue Gases (Nm ³ /hr)	54651.01	
		Load on DG(%)	NA	

RESULTS

Sr. No.	Description	Results	Limit	Unit	Method
1	Particulate Matter as (PM)	11.20	<30	mg/Nm ³	IS 11255(Part-1)1985;R 2019
2	Sulphur Dioxide (SO ₂)	32.97	<250	mg/Nm ³	IS 11255(Part-2)1985;R 2019
3	Oxides of Nitrogen as NO _x	25.34	<150	mg/Nm ³	IS 11255(Part-7)2005;R 2022

Note-NA-Not Applicable.

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

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Review By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

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TEST REPORT

Lab Inward No. : SL/24-25/10/MST/122	Date of Sampling : 29/10/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT) SURVEY NOS. 29/1, 31/1,27,39,41,44/3,42/1, 43/1,54,56/17,AMONA, BICHOLIM-GOA	Start of analysis : 30/10/2024
	End of Analysis : 06/11/2024
	Report Date : 06/11/2024
	Sample Drawn By : SATPL Representative 29/10/2024

Order / Reference: As Per TRF dated- 29/10/2024

Monitoring For : Stack Emission

Sampling Procedure : Each Analytical method covers the sampling procedure as well

Limits : Consent No.12/2024-PCB/2197149/R00015270

STACK DETAILS

Identification : HOT BLAST STOVE 1

Shape	ROUND	Cross sectional area (m ²)	2.4601	
Height (m)	45.0	Fuel Used	Blast Furnace Gas	
Material of Construction	M.S	Consumption of Fuel (Nm ³ /hr)	22000	
Temperature (°C)	160	Velocity Of Flue Gases (m/s)	8.96	
Diameter at port (m)	1.77	Volume Of Flue Gases (Nm ³ /hr)	54651.01	
		Load on DG(%)	NA	

RESULTS

Sr. No.	Description	Results	Limit	Unit	Method
4	Carbon Monoxide (CO)	224	<10000	PPM	Flue Gas Analyser

Note-NA-Not Applicable.

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

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EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
I14C664	Stack Kit	SATPL/AIR/SMK/03	FF03217	16.03.2024	15.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UJV/34	F/SL/EQUIP-6.4/04-c/00	Inhouse Calibration Daily	

Review By,

For Shreeji Aqua Treatment Pvt.Ltd.

Sr.Analyst



Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

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ULR No.: TC138772400010708F

TEST REPORT

Lab Inward No. : SL/24-25/10/MST/123	Date of Sampling : 29/10/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT)	Start of analysis : 30/10/2024
	End of Analysis : 06/11/2024
	Report Date : 06/11/2024
SURVEY NOS. 29/1, 31/1,27,39,41,44/3,42/1, 43/1,54,56/17,AMONA, BICHOLIM-GOA	Sample Drawn By : SATPL Representative 29/10/2024

Order / Reference: As Per TRF dated- 29/10/2024

Monitoring For : Stack Emission

Sampling Procedure : Each Analytical method covers the sampling procedure as well

Limits : Consent No.12/2024-PCB/2197149/R00015270

STACK DETAILS

Identification : LDC Baghouse Chimney				
Shape	Round	Cross sectional area (m ²)	1.5393	
Height (m)	21	Fuel Used	NA	
Material of Construction	MS	Consumption of Fuel (Kg/hr)	NA	
Temperature (°C)	48	Velocity Of Flue Gases (m/s)	4.06	
Diameter at port (m)	1.4	Volume Of Flue Gases (Nm ³ /hr)	20884.40	
		Load	NA	

RESULTS

Sr. No.	Description	Results	Limit	Unit	Method
1	Particulate Matter as (PM)	4.14	<30	mg/Nm ³	IS 11255(Part-1)1985;R 2019

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

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Equipment's Calibration Details

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
I14C664	Stack Kit	SATPL/AIR/SMK/03	FF03217	16.03.2024	15.03.2025
55627	Digital ElectronicBalance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025

Review By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

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