



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/A/01
Name & Address of the Party: M/s Shah Sponge & Power Ltd.
Village- Bhumri (Juri), Tehsil-Potka,
Distt.- East Singhbhum, Jharkhand.

Report No.: VEL/A/2303200001
Format No.: 7.8 F-03
Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Main Gate
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/03/2023 to 17/03/2023
Time of Monitoring : 10:30 AM - 10:30 AM
Ambient Temperature (°C) : Min.23°C Max. 41°C
Surrounding Activity : Human ,Vehicular and Other Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Parameter Required : As per client requirement.

S. No.	Parameter	Protocol	Result	Unit	Limits as per CPCB
1.	Particulate Matter (PM _{2.5})	IS 5182 (P-24)	42.42	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P-23)	75.00	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P-6)	20.19	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P-2)	13.85	µg/m ³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.89	mg/m ³	4
6.	Ammonia (NH ₃)	VEL/ENV/STP/155, Issue No.-01, 20/06/2022	24.06	µg/m ³	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	µg/m ³	1
8.	Benzene(C ₆ H ₆)	IS 5182 (P-12)	*BLQ(**LOQ 0.5)	µg/m ³	5
9.	Benzo(a)pyrene	VEL/ENV/STP/157, Issue No.-01, 20/06/2022	*BLQ(**LOQ 0.5)	ng/m ³	1
10.	Ozone (O ₃)	IS 5182 (P-9)	28.19	µg/m ³	180
11.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng/m ³	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m ³	20

STP- Standard Testing Procedure, BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification



Shah Sponge & Power Ltd



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/SS/A/02
Name & Address of the Party: M/s Shah Sponge & Power Ltd.
Village- Bhumri (Juri), Tehsil-Potka,
Distt.- East Singhbhum, Jharkhand.

Report No.: VEL/A/2303200002
Format No.: 7.8 F-03
Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

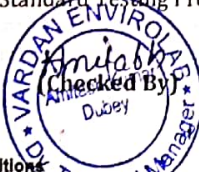
Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Gate No. 2
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/12 & VEL/FPS/12
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/03/2023 to 17/03/2023
Time of Monitoring : 10:50 AM - 10:50 AM
Ambient Temperature (°C) : Min.23°C Max. 41°C
Surrounding Activity : Human, Vehicular and Other Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Parameter Required : As per client requirement.

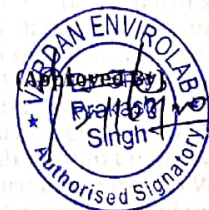
S. No.	Parameter	Protocol	Result	Unit	Limits as per CPCB
1.	Particulate Matter (PM _{2.5})	IS 5182 (P-24)	44.08	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P-23)	73.52	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P-6)	26.08	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P-2)	13.92	µg/m ³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.86	mg/m ³	4
6.	Ammonia (NH ₃)	VEL/ENV/STP/155, Issue No.-01, 20/06/2022	23.81	µg/m ³	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	µg/m ³	1
8.	Benzene(C ₆ H ₆)	IS 5182 (P-12)	*BLQ(**LOQ 0.5)	µg/m ³	5
9.	Benzo(a)pyrene	VEL/ENV/STP/157, Issue No.-01, 20/06/2022	*BLQ(**LOQ 0.5)	ng/m ³	1
10.	Ozone (O ₃)	IS 5182 (P-9)	24.51	µg/m ³	180
11.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng/m ³	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m ³	20

STP- Standard Testing Procedure, BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification



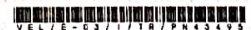
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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/SS/A/03
Name & Address of the Party: M/s Shah Sponge & Power Ltd.
Village- Bhumri (Juri), Tehsil-Potka,
Distt.- East Singhbhum, Jharkhand.

Report No.: VEL/A/2303200003
Format No.: 7.8 F-03
Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

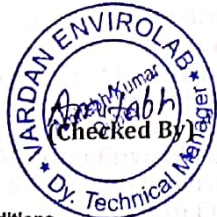
Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near DG Set Room
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/03/2023 to 17/03/2023
Time of Monitoring : 11:20 AM - 11:20 AM
Ambient Temperature (°C) : Min.23°C Max. 41°C
Surrounding Activity : Human ,Vehicular and Other Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Parameter Required : As per client requirement.

S. No.	Parameter	Protocol	Result	Unit	Limits as per CPCB
1.	Particulate Matter (PM _{2.5})	IS 5182 (P-24)	52.78	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P-23)	84.10	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P-6)	28.09	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P-2)	18.48	µg/m ³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.95	mg/m ³	4
6.	Ammonia (NH ₃)	VEL/ENV/STP/155, Issue No.-01, 20/06/2022	23.04	µg/m ³	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	µg/m ³	1
8.	Benzene(C ₆ H ₆)	IS 5182 (P-12)	*BLQ(**LOQ 0.5)	µg/m ³	5
9.	Benzo(a)pyrene	VEL/ENV/STP/157, Issue No.-01, 20/06/2022	*BLQ(**LOQ 0.5)	ng/m ³	1
10.	Ozone (O ₃)	IS 5182 (P-9)	34.10	µg/m ³	180
11.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng/m ³	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m ³	20

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/SS/A/04
Name & Address of the Party: M/s Shah Sponge & Power Ltd.
Village- Bhumri (Juri), Tehsil-Potka,
Distt.- East Singhbhum, Jharkhand.

Report No.: VEL/A/2303200004
Format No.: 7.8 F-03
Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Parking Area
Instrument Used : RDS & FPS sampler with all Accessories
Instrument Code : VEL/RDS/10 & VEL/FPS/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/03/2023 to 17/03/2023
Time of Monitoring : 11:35 AM – 11:35 AM
Ambient Temperature (°C) : Min.23°C Max. 41°C
Surrounding Activity : Human ,Vehicular and Other Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Parameter Required : As per client requirement.

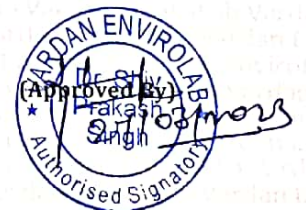
S. No.	Parameter	Protocol	Result	Unit	Limits as per CPCB
1.	Particulate Matter (PM _{2.5})	IS 5182 (P-24)	55.14	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS 5182 (P-23)	88.20	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS 5182 (P-6)	31.68	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS 5182 (P-2)	16.09	µg/m ³	80
5.	Carbon Monoxide (CO)	IS 5182 (P-10), NDIR Method	0.89	mg/m ³	4
6.	Ammonia (NH ₃)	VEL/ENV/STP/155, Issue No.-01, 20/06/2022	26.69	µg/m ³	400
7.	Lead (Pb)	IS 5182 (P-22)	*BLQ(**LOQ 0.1)	µg/m ³	1
8.	Benzene(C ₆ H ₆)	IS 5182 (P-12)	*BLQ(**LOQ 0.5)	µg/m ³	5
9.	Benzo(a)pyrene	VEL/ENV/STP/157, Issue No.-01, 20/06/2022	*BLQ(**LOQ 0.5)	ng/m ³	1
10.	Ozone (O ₃)	IS 5182 (P-9)	29.21	µg/m ³	180
11.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng/ m ³	6
12.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/ m ³	20

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/N/01	Report No.:	VEL/N/2303200001
Name & Address of the Party:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Receipt Date:	20/03/2023

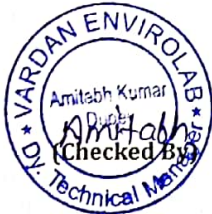
Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Main Gate
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/SLM/02
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 16/03/2023 to 17/03/2023
Time of Monitoring	: 06:00 AM to 06:00AM
Ambient Temperature (°C)	: Min. 22°C Max. 41°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2003
Sampling Duration	: 24 Hours
Parameter Required	: As per Client Requirement

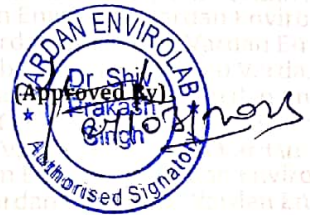
S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989	76.4	70.2	dB(A)
2.	L _{min}	IS 9989	58.9	54.3	dB(A)
3.	L _{eq}	IS 9989	66.12	62.16	dB(A)
4.	CPCB Limits in dB(A)* Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: * A "decibel" is a unit in which noise is measured.



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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/N/02	Report No.:	VEL/N/2303200002
Name & Address of the Party:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Receipt Date:	20/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near DRI Kiln
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/SLM/06
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 16/03/2023 to 17/03/2023
Time of Monitoring	: 06:00 AM to 06:00AM
Ambient Temperature (°C)	: Min. 22°C Max. 41°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2003
Sampling Duration	: 24 Hours
Parameter Required	: As per Client Requirement

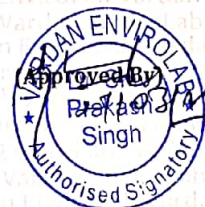
S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989	74.0	69.0	dB(A)
2.	L _{min}	IS 9989	57.9	50.0	dB(A)
3.	L _{eq}	IS 9989	62.24	60.18	dB(A)
4.	CPCB Limits in dB(A)* Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: * A "decibel" is a unit in which noise is measured.



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/N/03
 Name & Address of the Party: M/s Shah Sponge & Power Ltd.
 Village- Bhumri (Juri), Tehsil-Potka, Distt- East Singhbhum, Jharkhand.

Report No.: VEL/N/2303200003
 Format No.: 7.8 F-03
 Party Reference No.: SPO/8 Dated:12.04.2023
 Reporting Date: 27/03/2023
 Receipt Date: 20/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
 Sampling Location : Near Weigh Bridge
 Instrument Used : Sound Level Meter
 Instrument Code : VEL/SLM/09
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 16/03/2023 to 17/03/2023
 Time of Monitoring : 06:00 AM to 06:00AM
 Ambient Temperature (°C) : Min. 22°C Max. 41°C
 Surrounding Activity : Human & Vehicular Activities
 Scope of Monitoring : Regulatory Requirement
 Control measure if Any : No any
 Sampling & Analysis Protocol : IS-9989 R-2003
 Sampling Duration : 24 Hours
 Parameter Required : As per Client Requirement

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989	75.8	65.4	dB(A)
2.	L _{min}	IS 9989	62.5	51.5	dB(A)
3.	L _{eq}	IS 9989	68.49	54.29	dB(A)
4.	CPCB Limits in dB(A)* L _{eq} (Industrial Area)	-	75.00	70.00	dB(A)

Note * A "decibel" is a unit in which noise is measured.



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/N/04	Report No.:	VEL/N/2303200004
Name & Address of the Party:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Receipt Date:	20/03/2023

Sample Description: AMBIENT NOISE LEVEL MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near 725 KVA DG Set
Instrument Used	: Sound Level Meter
Instrument Code	: VEL/SLM/05
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 16/03/2023 to 17/03/2023
Time of Monitoring	: 06:00 AM to 06:00AM
Ambient Temperature (°C)	: Min. 22°C Max. 41°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No any
Sampling & Analysis Protocol	: IS-9989 R-2003
Sampling Duration	: 24 Hours
Parameter Required	: As per Client Requirement

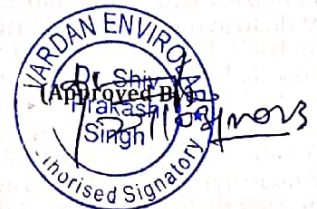
S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L _{max}	IS 9989	72.5	57.9	dB(A)
2.	L _{min}	IS 9989	50.2	48.3	dB(A)
3.	L _{eq}	IS 9989	62.49	56.93	dB(A)
4.	CPCB Limits in dB(A)* Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: *A "decibel" is a unit in which noise is measured.



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Test Report

Sample Number:	VEL/FA/01	Report No.:	VEL/FA/2303200001
Name & Address of the Project:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Period of Analysis:	20/03/2023 to 27/03/2023
		Receipt Date:	20/03/2023

FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Dolochar Yard
Date of Monitoring	: 16/03/2023
Instrument Used	: HVS with all Accessories
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 22°C Max. 41°C
Surrounding Activity	: Human , Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per client requirement.
Duration of Monitoring (Minutes)	: 8 hours

S. No.	Parameter	Protocol	Result	Unit
1.	Suspended particulate Matter	VEL/ENV/STP/164, Issue No.01,20/06/2022	192.42	µg/m ³

Note:- STP- Standard Testing Procedure.

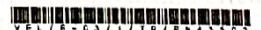


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Test Report

Sample Number:	VEL/FA/02	Report No.:	VEL/FA/2303200002
Name & Address of the Project:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Period of Analysis:	20/03/2023 to 27/03/2023
		Receipt Date:	20/03/2023

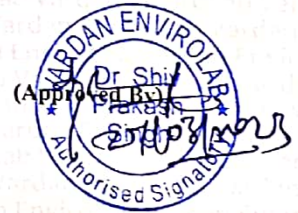
FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Iron Ore Yard
Date of Monitoring	: 16/03/2023
Instrument Used	: HVS with all Accessories
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 22°C Max. 41°C
Surrounding Activity	: Human , Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per client requirement.
Duration of Monitoring (Minutes)	: 8 hours

S. No.	Parameter	Protocol	Result	Unit
1.	Suspended particulate Matter	VEL/ENV/STP/164, Issue No.01,20/06/2022	156.24	µg/m ³

Note:- STP- Standard Testing Procedure.



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Test Report

Sample Number:	VEL/FA/03	Report No.:	VEL/FA/2303200003
Name & Address of the Project:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Period of Analysis:	20/03/2023 to 27/03/2023
		Receipt Date:	20/03/2023

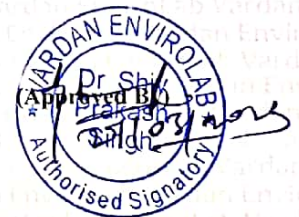
FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Coal Yard
Date of Monitoring	: 16/03/2023
Instrument Used	: HVS with all Accessories
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 22°C Max. 41°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per client requirement.
Duration of Monitoring (Minutes)	: 8 hours

S. No.	Parameter	Protocol	Result	Unit
1.	Suspended particulate Matter	VEL/ENV/STP/164, Issue No.01,20/06/2022	198.50	µg/m ³

Note:- STP- Standard Testing Procedure.



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Test Report

Sample Number:	VEL/FA/04	Report No.:	VEL/FA/2303200004
Name & Address of the Project:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Period of Analysis:	20/03/2023 to 27/03/2023
		Receipt Date:	20/03/2023

FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Fly Ash Storage Area
Date of Monitoring	: 17/03/2023
Instrument Used	: HVS with all Accessories
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 23°C Max. 40°C
Surrounding Activity	: Human , Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per client requirement.
Duration of Monitoring (Minutes)	: 8 hours

S. No.	Parameter	Protocol	Result	Unit
1.	Suspended particulate Matter	VEL/ENV/STP/164, Issue No.01,20/06/2022	220.49	µg/m ³

Note:- STP- Standard Testing Procedure.



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Test Report

Sample Number: VEL/FA/05
Name & Address of the Project: M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.

Report No.: VEL/FA/2303200005
Format No.: 7.8 F-03
Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

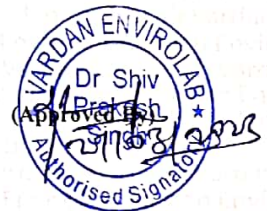
FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Main gate
Date of Monitoring : 17/03/2023
Instrument Used : HVS with all Accessories
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Ambient Temperature (°C) : Min. 23°C Max. 40°C
Surrounding Activity : Human, Vehicular, & Other Plant Activities
Scope of Monitoring : Regulatory Requirement
Control measure if Any : No
Sampling & Analysis Protocol : IS-5182 & CPCB Guidelines
Parameter Required : As per client requirement.
Duration of Monitoring (Minutes) : 8 hours

S. No.	Parameter	Protocol	Result	Unit
1.	Suspended particulate Matter	VEL/ENV/STP/164, Issue No.01,20/06/2022	166.20	µg/m ³

Note:- STP- Standard Testing Procedure.



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Test Report

Sample Number:	VEL/FA/06	Report No.:	VEL/FA/2303200006
Name & Address of the Project:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Period of Analysis:	20/03/2023 to 27/03/2023
		Receipt Date:	20/03/2023

FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Sampling Location	: Near Sponge Iron Loading Area
Date of Monitoring	: 17/03/2023
Instrument Used	: HVS with all Accessories
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Ambient Temperature (°C)	: Min. 23°C Max. 40°C
Surrounding Activity	: Human, Vehicular, & Other Plant Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per client requirement.
Duration of Monitoring (Minutes)	: 8 hours

S. No.	Parameter	Protocol	Result	Unit
1.	Suspended particulate Matter	VEL/ENV/STP/164, Issue No.01,20/06/2022	150.26	µg/m ³

Note:- STP- Standard Testing Procedure.



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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/S/01
Name & Address of the Party: M/s Shah Sponge & Power Ltd.
Village- Bhumri (Juri), Tehsil-Potka,
Distt.- East Singhbhum, Jharkhand.

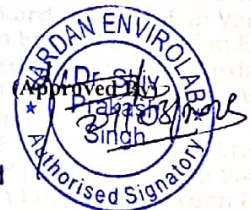
Report No.: VEL/S/2303200001
Format No.: 7.8 F-03
Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Date of Sampling : 16/03/2023
Sampling Duration (Minutes) : 43.5
Stack attached To : ESP D R I Kiln
Metrological Condition : Clear Sky
Instrument Used : Stack monitoring Kit
Control Measure : ESP
Instrument Calibration Status : Calibrated
Diameter of Stack (m) : 2.20
Height Of Stack (m) : 45.0
Name of Fuel : Coal
Ambient Temperature-Ta (°C) : 27.0
Temperature of Stack Gases-Ts (°C) : 115.0
Velocity of Stack Gases (m/sec.) : 8.92
Flow rate of PM (LPM) : 23.0
Flow rate of Gas (LPM) : 2.0
Sampling Condition : Isokinetic
Protocol Used : IS :11255

S. No.	Parameter	Protocol	Result	Unit	Limits as per CPCB
1.	Particulate Matter (PM)	IS 11255 (P-1)	40.09	mg/Nm ³	75
2.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7)	124.52	mg/Nm ³	--
3.	Sulphur Dioxide (SO ₂)	IS 11255 (P-2)	42.82	mg/Nm ³	--

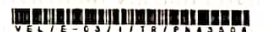


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Test Report

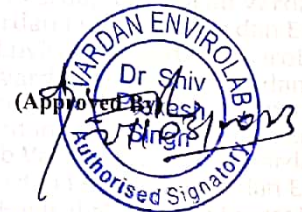
Sample Number:	VEL/S/03	Report No.:	VEL/S/2303200003
Name & Address of the Party:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Period of Analysis:	20/03/2023 to 27/03/2023
		Receipt Date:	20/03/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

Sample collected by	: Vardan EnviroLab Representative
Date of Sampling	: 16/03/2023
Sampling Duration (Minutes)	: 34.5
Stack Location	: Sponge Iron Stock House
Stack attached To	: Bag Filter
Metrological Condition	: Clear Sky
Instrument Used	: Stack monitoring Kit
Control Measure	: ESP
Instrument Calibration Status	: Calibrated
Diameter of Stack (m)	: 0.6
Height Of Stack (m)	: 27.0
Ambient Temperature-Ta (°C)	: 33.0
Temperature of Stack Gases-Ts (°C)	: 135.0
Velocity of Stack Gases (m/sec.)	: 8.85
Flow rate of PM (LPM)	: 29.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS :11255

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	38.62	mg/Nm ³
2.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7)	28.21	mg/Nm ³
3.	Sulphur Dioxide (SO ₂)	IS 11255 (P-2)	18.75	mg/Nm ³



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Test Report

Sample Number:	VEL/S/04	Report No.:	VEL/S/2303200004
Name & Address of the Party:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
		Party Reference No.:	SPO/8 Dated:12.04.2023
		Reporting Date:	27/03/2023
		Period of Analysis:	20/03/2023 to 27/03/2023
		Receipt Date:	20/03/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

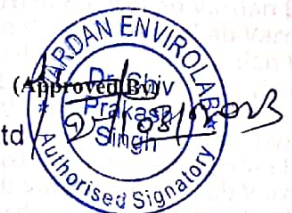
Sample collected by	: Vardan EnviroLab Representative
Date of Sampling	: 17/03/2023
Sampling Duration (Minutes)	: 34.5
Stack Location	: Sponge Iron Raw Material Handling Yard
Stack attached To	: Bag Filter
Metrological Condition	: Clear Sky
Instrument Used	: Stack monitoring Kit
Control Measure	: Bag Filter
Instrument Calibration Status	: Calibrated
Diameter of Stack (m)	: 0.6
Height Of Stack (m)	: 20.0
Ambient Temperature-Ta (°C)	: 26.0
Temperature of Stack Gases-Ts (°C)	: 105.0
Velocity of Stack Gases (m/sec.)	: 7.25
Flow rate of PM (LPM)	: 29.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS :11255

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	38.48	mg/Nm ³
2.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7)	32.21	mg/Nm ³
3.	Sulphur Dioxide (SO ₂)	IS 11255 (P-2)	21.65	mg/Nm ³



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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/S/05
Name & Address of the Party: M/s Shah Sponge & Power Ltd.
Village- Bhumri (Juri), Tehsil-Potka,
Distt.- East Singhbhum, Jharkhand.

Report No.: VEL/S/2303200005
Format No.: 7.8 F-03
Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Date of Sampling : 17/03/2023
Sampling Duration (Minutes) : 40.0
Stack Location : Sponge Iron Cooler Discharge And Coal Injection
Stack attached To : Bag Filter
Metrological Condition : Clear Sky
Instrument Used : Stack monitoring Kit
Control Measure : Bag Filter
Instrument Calibration Status : Calibrated
Diameter of Stack (m) : 0.6
Height Of Stack (m) : 15.0
Ambient Temperature-Ta (°C) : 26.0
Temperature of Stack Gases-Ts (°C) : 95.0
Velocity of Stack Gases (m/sec.) : 9.85
Flow rate of PM (LPM) : 25.0
Flow rate of Gas (LPM) : 2.0
Sampling Condition : Isokinetic
Protocol Used : IS :11255

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	36.78	mg/Nm ³
2.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7)	28.42	mg/Nm ³
3.	Sulphur Dioxide (SO ₂)	IS 11255 (P-2)	14.81	mg/Nm ³



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Test Report

Sample Number: VEL/S/06 Report No.: VEL/S/2303200006
Name & Address of the Party: M/s Shah Sponge & Power Ltd. Format No.: 7.8 F-03
Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand. Party Reference No.: SPO/8 Dated:12.04.2023
Reporting Date: 27/03/2023
Period of Analysis: 20/03/2023 to 27/03/2023
Receipt Date: 20/03/2023

Sample Description: STACK EMISSION MONITORING

General Information:-

Sample collected by : Vardan EnviroLab Representative
Date of Sampling : 17/03/2023
Sampling Duration (Minutes) : 37.0
Stack Location : Sponge Iron Product House And Intermediate Bin
Stack attached To : Bag Filter
Metrological Condition : Clear Sky
Instrument Used : Stack monitoring Kit
Control Measure : Bag Filter
Instrument Calibration Status : Calibrated
Diameter of Stack (m) : 0.6
Height Of Stack (m) : 25.0
Ambient Temperature-Ta (°C) : 27.0
Temperature of Stack Gases-Ts (°C) : 94.0
Velocity of Stack Gases (m/sec.) : 7.25
Flow rate of PM (LPM) : 27.0
Flow rate of Gas (LPM) : 2.0
Sampling Condition : Isokinetic
Protocol Used : IS :11255

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1)	35.28	mg/Nm ³
2.	Nitrogen Dioxide (as NO ₂)	IS 11255 (P-7)	33.09	mg/Nm ³
3.	Sulphur Dioxide (SO ₂)	IS 11255 (P-2)	16.78	mg/Nm ³



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Test Report

Sample Number:	VEL/W/01	Report No.:	VEL/W/2303200001
Name & Address of the Party:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
Sample Description:	Ground Water Sample	Patry Reference No.:	SPO/8 Dated:12.04.2023
Sample Location:	Project Site	Reporting Date:	27/03/2023
Sample Collected By:	Vardan EnviroLab Representative	Period of Analysis:	20/03/2023 to 27/03/2023
Parameter Required:	As per Work Order	Receipt Date:	20/03/2023
Sampling & Analysis Protocol:	IS-3025, APHA 23 rd Edition 2017	Sampling Date:	16/03/2023
		Preservation:	Refrigerated
		Sampling Type:	Grab
		Sampling Quantity:	2.0 Ltr. + 250 ml

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS 3025 (P-11)	7.25	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (P-10)	BLQ(LOQ-1.0)	NTU	1	5
4.	Odour	IS 3025 (P-5)	Agreeable	--	Agreeable	Agreeable
5.	Taste	IS 3025 (P-8)	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	IS 3025 (P-21)	325.49	mg/l	200	600
7.	Calcium as Ca	IS 3025 (P-40)	84.45	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (P-23)	315.92	mg/l	200	600
9.	Chloride as Cl	IS 3025 (P-32)	59.12	mg/l	250	1000
10.	Cyanide as CN	IS 3025 (P-27)	BLQ(LOQ-0.02)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	27.89	mg/l	30	100
12.	Total Dissolved Solids	IS 3025 (P-16)	501.00	mg/l	500	2000
13.	Sulphate as SO ₄	IS 3025 (P-24)	48.12	mg/l	200	400
14.	Fluoride as F	APHA 4500 FD	0.49	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS: 3025 (P-34) Chromotropic Method	26.41	mg/l	45	No Relaxation
16.	Iron as Fe	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	0.24	mg/l	1.0	No relaxation
17.	Aluminium as Al	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.03	0.2
18.	Boron	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	0.25	mg/l	0.5	2.4
19.	Total Chromium as Cr	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.05	No Relaxation



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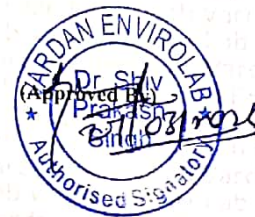
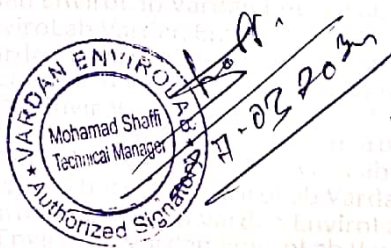
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Test Report

Sample No.: VEL/W/01					Report No: VEL/W/2303200001	
S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	IS 3025 (P-43)	BLQ(LOQ-0.0005)	mg/l	0.001	0.002
21.	Mineral Oil	IS 3025 (P-39)	BLQ(LOQ-0.1)	mg/l	1.0	No Relaxation
22.	Anionic Detergents as MBAS	IS 3025 (P-68)	BLQ(LOQ-0.05)	mg/l	0.2	1.0
23.	Zinc as Zn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	0.39	mg/l	5	15
24.	Copper as Cu	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.05	1.5
25.	Manganese as Mn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.1	0.3
26.	Cadmium as Cd	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.01	No Relaxation
28.	Selenium as Se	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.001)	mg/l	0.01	No Relaxation
29.	Arsenic as As	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.005)	mg/l	0.01	No Relaxation
30.	Mercury as Hg	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.0005)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 15185:2016	Absent	/100ml	Shall not be detectable in any 100 ml sample	--
32.	E. Coli	IS 15185:2016	Absent	/100ml		

Note:- This Report Complies as per IS: 10500:2012 (RA: 2018)
 *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
 @ Amendment No.1 in June 2015 (Limits of Iron & Arsenic) and Amendment No.2 in Sept. 2018 (Limit of Boron & IS method of Total Coliform & E.Coli) & Amendment No.3 in Feb. 2021 (Limit of Mineral Oil).



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Test Report

Sample Number:	VEL/W/02	Report No.:	VEL/W/2303200002
Name & Address of the Party:	M/s Shah Sponge & Power Ltd. Village- Bhumri (Juri), Tehsil-Potka, Distt.- East Singhbhum, Jharkhand.	Format No.:	7.8 F-03
Sample Description:	Drinking Water Sample	Patry Reference No.:	SPO/8 Dated:12.04.2023
Sample Location:	Project Site	Reporting Date:	27/03/2023
Sample Collected By:	Vardan EnviroLab Representative	Period of Analysis:	20/03/2023 to 27/03/2023
Parameter Required:	As per Work Order	Receipt Date:	20/03/2023
Sampling & Analysis Protocol:	IS-3025, APHA 23 rd Edition 2017	Sampling Date:	17/03/2023
		Preservation:	Refrigerated
		Sampling Type:	Grab
		Sampling Quantity:	2.0 Ltr. + 250 ml

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS 3025 (P-11)	7.35	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (P-4)	BLQ(LOQ-1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (P-10)	BLQ(LOQ-1.0)	NTU	1	5
4.	Odour	IS 3025 (P-5)	Agreeable	--	Agreeable	Agreeable
5.	Taste	IS 3025 (P-8)	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	IS 3025 (P-21)	73.29	mg/l	200	600
7.	Calcium as Ca	IS 3025 (P-40)	16.45	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (P-23)	50.28	mg/l	200	600
9.	Chloride as Cl	IS 3025 (P-32)	19.75	mg/l	250	1000
10.	Cyanide as CN	IS 3025 (P-27)	BLQ(LOQ-0.02)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	7.84	mg/l	30	100
12.	Total Dissolved Solids	IS 3025 (P-16)	129.00	mg/l	500	2000
13.	Sulphate as SO ₄	IS 3025 (P-24)	3.15	mg/l	200	400
14.	Fluoride as F	APHA 4500 FD	0.09	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS: 3025 (P-34) Chromotropic Method	BLQ(LOQ-0.03)	mg/l	45	No Relaxation
16.	Iron as Fe	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	0.10	mg/l	1.0	No relaxation
17.	Aluminium as Al	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.03	0.2
18.	Boron	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.5	2.4
19.	Total Chromium as Cr	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.05	No Relaxation

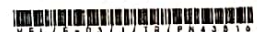


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Test Report

Sample No.: VEL/W/02					Report No: VEL/W/2303200002	
S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	IS 3025 (P-43)	BLQ(LOQ-0.0005)	mg/l	0.001	0.002
21.	Mineral Oil	IS 3025 (P-39)	BLQ(LOQ-0.1)	mg/l	1.0	No Relaxation
22.	Anionic Detergents as MBAS	IS 3025 (P-68)	BLQ(LOQ-0.05)	mg/l	0.2	1.0
23.	Zinc as Zn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	5	15
24.	Copper as Cu	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.05	1.5
25.	Manganese as Mn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.01)	mg/l	0.1	0.3
26.	Cadmium as Cd	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.002)	mg/l	0.01	No Relaxation
28.	Selenium as Se	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.001)	mg/l	0.01	No Relaxation
29.	Arsenic as As	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.005)	mg/l	0.01	No Relaxation
30.	Mercury as Hg	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	BLQ(LOQ-0.0005)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 15185:2016	Absent	/100ml	Shall not be detectable in any 100 ml sample	--
32.	E. Coli	IS 15185:2016	Absent	/100ml		

Note:- This Report Complies as per IS: 10500:2012 (RA: 2018)

*BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

¹Amendment No.1 in June 2015 (Limits of Iron & Arsenic) and Amendment No.2 in Sept. 2018 (Limit of Boron & IS method of Total Coliform & E.Coli) & Amendment No.3 in Feb. 2021 (Limit of Mineral Oil).



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