



# NEW VISION EARTH CONSULTANCY

(OPC) PVT. LTD. (NVECPL)

An expertise consultancy house for Geology, Mining, Environment.

Forest, DGPS Survey, GIS, Ground Water Studies & Environmental Laboratories

## TEST REPORT (WATER)

Sample Number:	VEC/RNC/23-24/245	Report No.:	VEC/RNC/23-24/245
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30.03.2024
		Receipt Date	23.03.2024
		Sampling Date :	22.03.2024
Sample Description:	SADABAH RIVER (DOWN STREAM)	Type of Sampling:	SURFACE WATER
Sampling Location :	NEAR RAILWAY BRIDGE		
Client Representative (Name & Designation) :	TULESHWAR SAHU (SURVEYOR)	Preservation :	HCl, H <sub>2</sub> SO <sub>4</sub>
Sample collected by (Name & Designation) :	MANOJ KUMAR MAHTO (FIELD ASSISTANCE)	Sample Quantity:	5 LTR
Latitude:	24° 9'23.47"N	Sampling Protocol	AS PER SOP
Longitude :	84° 2'31.67"E		

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Tolerance Limit (As IS 2296) # Class "C"
1	Temperature	APHA 24 <sup>th</sup> Edition 2017, 2550B	28.2	°C	--
2	pH Value	APHA (24th edition) 4500-H+ :2023	7.823	-	6.5-8.5
3	Electrical Conductivity	IS: 3025(Part 14) : 2013(RA2023)	824	µS/cm	--
4	Total Dissolved Solids	APHA (24th edition) 2540 C :2023	536.5	mg/l	1500
5	Dissolved Oxygen (DO)	APHA 24th.2023:4500 O-C :2023	5.4	mg/l	4.0
6	Chloride as Cl	APHA (24th edition) 4500-Cl- B :2023	70.2	mg/l	600
7	Biological Oxygen Demand (BOD)	IS 3025 (Part-44):1993; RA2014	27	mg/l	3.0
8	Chemical Oxygen Demand (COD)	IS 3025 (Part-58):2006; RA2017	98.5	mg/l	--
9	Oil & Grease	APHA 24th.2023:5520 B :2023	1.2	mg/l	0.1
10	Iron(as Fe)	APHA (24th edition) 3500 Fe B :2023	0.5	mg/l	50
11	Sulphate (as SO <sub>4</sub> )	APHA(24th edition) 4500 SO <sub>4</sub> <sup>-2</sup> E:2023	32.5	mg/l	400
12	Colour	APHA 24th Edition 2120 B:2023	<5.0	Cu	--
13	Total Alkalinity (as CaCO <sub>3</sub> )	APHA(24th edition) 2320 B: 2023	44	mg/l	--
14	Total Hardness (as CaCO <sub>3</sub> )	APHA (24th edition) 2340 C:2023	204		--
15	Calcium (as Ca)	APHA (24th edition) 3500 Ca-B:2023	100.4	mg/l	--
16	Magnesium as Mg	APHA(24th edition) 3500-Mg-B:2023	45.3	mg/l	--
17	Fluoride (as F)	APHA(24th edition) 4500F-D:2023	0.02	mg/l	1.5
18	Nitrate (as NO <sub>3</sub> )	APHA (24th edition) 4500 NO <sub>3</sub> B :2023	4.2	mg/l	50

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ASHOK NAGAR, RANCHI- 834002, JHARKHAND.

Contact: - +91-9955095641, +91-9546333332,

Email – visionearthjhk@gmail.com





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19	Chromium (Hexavalent) (as Cr 6+)	APHA (24th edition) 3500-Cr B :2023	0.023	mg/l	0.05
20	Total Suspended Solid (TSS)	APHA (24th edition) 2540 D :2023	64.2	mg/l	-

Checked by:

Authorized Signatory  
Name: Mr. Ajay Kumar Singh

Signature:



Designation: Chief Executive Officer

**\*\*\*\*\*End of the Report\*\*\*\*\***

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ASHOK NAGAR, RANCHI- 834002, JHARKHAND.  
Contact: - +91-9955095641, +91-9546333332,  
Email – visionearthjkh@gmail.com





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## TEST REPORT (WATER)

Sample Number:	VEC/RNC/23-24/246	Report No.:	VEC/RNC/23-24/246
Name & Address of Client:	FAIRMINÉ CARBONS PVT. LTD. NEAR PANDWA POLICE STATION, DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30.03.2024
		Receipt Date	23.03.2024
		Sampling Date :	22.03.2024
Sample Description:	SADABAH RIVER( UP STREAM)	Type of Sampling:	SURFACE WATER
Sampling Location :	NEAR VILLAGE PATH		
Client Representative (Name & Designation) :	TULESHWAR SAHU (SURVEYOR)	Preservation :	HCL, H <sub>2</sub> SO <sub>4</sub>
Sample collected by (Name & Designation) :	MANOJ KUMAR MAHTO (FIELD ASSISTANCE)	Sample Quantity:	5 LTR
Latitude:	24° 9'30.61"N	Sampling Protocol	AS PER SOP
Longitude :	84° 2'34.79"E		

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	Tolerance Limit (As IS 2296) # Class C
1	Temperature	APHA 24 <sup>th</sup> Edition 2017, 2550B	28.3	°C	
2	pH Value	APHA (24th edition) 4500-H+ :2023	7.582	-	6.5-8.5
3	Electrical Conductivity	IS: 3025(Part 14) - 2013(RA2023)	813	µS/cm	--
4	Total Dissolved Solids	APHA (24th edition) 2540 C :2023	521.7	mg/l	1500
5	Dissolved Oxygen (DO)	APHA 24th.2023:4500 O- C :2023	5.1	mg/l	4.0
6	Chloride as Cl	APHA (24th edition) 4500-Cl- B :2023	74.3	mg/l	600
7	Biological Oxygen Demand (BOD)	IS 3025 (Part-44):1993; RA2014	23.5	mg/l	3.0
8	Chemical Oxygen Demand (COD)	IS 3025 (Part-58):2006; RA2017	94.6	mg/l	--
9	Oil & Grease	APHA 24th.2023:5520 B :2023	0.90	mg/l	0.1
10	Iron(as Fe)	APHA (24th edition) 3500 Fe B :2023	0.48	mg/l	50
11	Sulphate (as SO <sub>4</sub> )	APHA(24th edition) 4500 SO <sub>4</sub> <sup>-2</sup> E:2023	32.7	mg/l	400
12	Colour	APHA 24th Edition 2120 B:2023	<5.0	Cu	--
13	Total Alkalinity (as CaCO <sub>3</sub> )	APHA(24th edition) 2320 B: 2023	43	mg/l	--
14	Total Hardness (as CaCO <sub>3</sub> )	APHA (24th edition) 2340 C:2023	198	mg/l	--
15	Calcium (as Ca)	APHA (24th edition) 3500 Ca-B:2023	97.4	mg/l	--
16	Magnesium as Mg	APHA(24th edition) 3500-Mg-B:2023	41.8	mg/l	--
17	Fluoride (as F)	APHA(24th edition) 4500F-D:2023	0.02	mg/l	1.5
18	Nitrate (as NO <sub>3</sub> )	APHA (24th edition) 4500 NO <sub>3</sub> B :2023	4.7	mg/l	50

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Contact: - +91-9955095641, +91-9546333332,

Email – visionearthjkk@gmail.com





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19	Chromium (Hexavalent) (as Cr 6+)	APHA (24th edition) 3500-Cr B :2023	0.026	mg/l	0.05
20	Total Suspended Solid (TSS)	APHA (24th edition) 2540 D :2023	63.8	mg/l	--

Checked by:

Name: Authorized Signatory:  
Mr. Ajay Kumar Singh

Signature:

Designation:



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ASHOK NAGAR, RANCHI- 834002, JHARKHAND.  
Contact: - +91-9955095641, +91-9546333332,  
Email – visionearthjkh@gmail.com





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## TEST REPORT (WATER)

Sample Number:	MEC/RNC/23-24/247	Report No.:	MEC/RNC/23-24/247
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA POLICE STATION DALDONGANJ	Party Reference No.:	-----
		Reporting Date :	30.03.2024
		Receipt Date	23.03.2024
		Sampling Date :	22.03.2024
Sample Description:	GROUND WATER(BORWELL 1)	Type of Sampling:	GROUND WATER
Sampling Location :	NEAR OFFICE		
Client Representative (Name & Designation) :	TULESHWAR SAHU (SURVEYOR)	Preservation :	NA
Sample collected by (Name & Designation) :	MANOJ KUMAR MAHTO (FIELD ASSISTANCE)	Sample Quantity:	5 LTR
Latitude:	24° 9'49.64"N	Sampling Protocol	AS PER SOP
Longitude :	84° 3'35.17"E		

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	As per 10500:2012	
					Acceptable Limit	Permissible Limit
1	Temperature	APHA 24 <sup>th</sup> Edition 2017, 2550B	28.5	°C	--	--
2	pH Value	APHA (24th edition) 4500-H+ :2023	8.006	-	6.5-8.5	6.5-8.5
3	Conductivity	IS: 3025(Part 14) : 2013(RA2023)	1388	µS/cm	--	--
4	Colour	APHA 24th Edition 2120 B:2023	<5.0	Cu	5	15
5	Odor	APHA(24th edition) 2150B:2023	Agreeable	-	Agreeable	Agreeable
6	Taste	APHA (24th edition) 2160C : 2023	Agreeable	-	Agreeable	Agreeable
7	Turbidity	APHA(24th edition) 2130B:2023	BDL	NTU	1.0	5.0
8	Free Residual Chlorine	APHA(24th edition) 4500 Cl-B :2023	BDL	mg/l	0.2	1.0
9	Total Dissolved Solids (TDS)	APHA (24th edition) 2540 C :2023	836.5	mg/l	500	2000
10	Total Alkalinity (as CaCO <sub>3</sub> )	APHA(24th edition) 2320 B: 2023	76	mg/l	200	600
11	Total Hardness (as CaCO <sub>3</sub> )	APHA (24th edition) 2340 C:2023	396	mg/l	200	600
12	Calcium (as Ca)	APHA (24th edition) 3500 Ca-B:2023	198.7	mg/l	75	200
13	Magnesium (as Mg)	APHA(24th edition) 3500-Mg-B:2023	87.5	mg/l	30	100
14	Chloride(as Cl)	APHA (24th edition) 4500-Cl- B :2023	30	mg/l	250	1000
15	Fluoride (as F)	APHA(24th edition) :4500F-D:2023	0.001	mg/l	1.0	1.5
16	Sulphate(as SO <sub>4</sub> )	APHA(24th edition) 4500 SO <sub>4</sub> -2E:2023	12.3	mg/l	200	400
17	Nitrate (as NO <sub>3</sub> )	APHA (24th edition) 4500 NO <sub>3</sub> B :2023	BDL	mg/l	45	45
18	Iron(as Fe)	APHA (24th edition) 3500 Fe B :2023	0.02	mg/l	0.03	

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Contact: - +91-9955095641, +91-9546333332,

Email – visionearthjhk@gmail.com





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19	Acidity	APHA(24thedition)23108 : 2023	BDL	mg/l	--	--
20	Sodium	APHA (24th edition) 3500- Na B:2023	8.4	mg/l	--	--
21	Potassium	APHA(24thedition) 3500-KB :2023	2.1	mg/l	--	--

Checked by:

Authorized Signatory:  
Name: Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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## TEST REPORT (WATER)

Sample Number:	VEC/RNC/23-24/248	Report No.:	VEC/RNC/23-24/248
Name & Address of Client:	FAIRMINER CARBONS PVT. LTD. NEAR PANDWA POLICE STATION DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30.03.2024
		Receipt Date	23.03.2024
		Sampling Date :	22.03.2024
Sample Description:	GROUND WATER(BORWELL 2)	Type of Sampling:	GROUND WATER
Sampling Location :	R AND R SITE		
Client Representative (Name & Designation) :	TULESHWAR SAHU (SURVEYOR)	Preservation :	NA
Sample collected by (Name & Designation) :	MANOJ KUMAR MAHTO (FIELD ASSISTANCE)	Sample Quantity:	5 LTR
Latitude:	24° 9'15.55"N	Sampling Protocol	AS PER SOP
Longitude :	84° 2'33.58"E		

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	As per 10500:2012	
					Acceptable Limit	Permissible Limit
1	Temperature	APHA 24 <sup>th</sup> Edition 2017, 2550B	28.2	°C	--	--
2	pH Value	APHA (24th edition) 4500-H+ :2023	7.128	-	6.5-8.5	6.5-8.5
3	Conductivity	IS: 3025(Part 14) : 2013(RA2023)	1224	µS/cm	--	--
4	Colour	APHA 24th Edition 2120 B:2023	<5.0	Cu	5	15
5	Odour	APHA(24th edition) 2150B:2023	Agreeable	-	Agreeable	Agreeable
6	Taste	APHA (24th edition) 2160C : 2023	Agreeable	-	Agreeable	Agreeable
7	Turbidity	APHA(24th edition) 2130B:2023	BDL	NTU	1.0	5.0
8	Free Residual Chlorine	APHA(24th edition) 4500 Cl-B :2023	BDL	mg/l	0.2	1.0
9	Total Dissolved Solids (TDS)	APHA (24th edition) 2540 C :2023	795.6	mg/l	500	2000
10	Total Alkalinity (as CaCO <sub>3</sub> )	APHA(24th edition) 2320 B: 2023	68	mg/l	200	600
11	Total Hardness (as CaCO <sub>3</sub> )	APHA (24th edition) 2340 C:2023	340	mg/l	200	600
12	Calcium (as Ca)	APHA (24th edition) 3500 Ca-B:2023	185.6	mg/l	75	200
13	Magnesium (as Mg)	APHA(24th edition) 3500-Mg-B:2023	75.9	mg/l	30	100
14	Chloride(as Cl)	APHA (24th edition) 4500-Cl- B :2023	54	mg/l	250	1000
15	Fluoride (as F)	APHA(24th edition) :4500F-D:2023	0.002	mg/l	1.0	1.5
16	Sulphate(as SO <sub>4</sub> )	APHA(24th edition) 4500 SO <sub>4</sub> -2E:2023	10.9	mg/l	200	400
17	Nitrate (as NO <sub>3</sub> )	APHA (24th edition) 4500 NO <sub>3</sub> B :2023	BDL	mg/l	45	45

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Contact: - +91-9955095641, +91-9546333332,

Email – visionearthbjhk@gmail.com





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18	Iron(as Fe)	APHA (24th edition) 3500 Fe B :2023	0.03	mg/l	0.3	--
19	Acidity	APHA(24thedition)23108 : 2023	BDL	mg/l	--	--
20	Sodium	APHA (24th edition) 3500- Na B:2023	7.5	mg/l	--	--
21	Potassium	APHA(24thedition) 3500-KB :2023	1.8	mg/l	--	--

Checked by:

Name: Authorized Signatory:  
Mr. Ajay Kumar Singh

Signature:

Designation:



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## TEST REPORT (AMBIENT AIR)

Sample Number:	VEC/RNC/23-24/249	Report No.:	VEC/RNC/23-24/249
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION, DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30/03/2024
		Receipt Date :	23/03/2024
Sample Description:	AMBINET AIR		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (Surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto
Sampling Location	: Near Office
Latitude	: 24°9'48.33"N
Longitude	: 84°3'35.13"E
Instrument Used	: RDS APM 460, FPS APM 550 MINI
Instrument code	: VEC/RNC/15B (RDS), VEC/RNC/17A(FPS)
Instrument calibration status	: 22-08-2023 to 21-08-2024
Meteorological condition during monitoring	: RH-40%
Date of Monitoring	: 23.03.2024
Time of Monitoring	: 07.10 AM
Actual duration of Monitoring (minutes)	: 480 Minutes
Ambient Temperature (OC)	: 30 °C
Surrounding activity	: Residential Agriculture
Scope of Monitoring	: PM10,PM2.5,SO2,NOX
Control measure if Any	: NO
Sampling Protocol	: IS 5182

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS
1	PM 10	IS 5182 : Part 23 : 2006 (RA: 2022)	76	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
2	PM 2.5	IS 5182 : Part 24 : 2019	49	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
3	SO <sub>2</sub>	IS 5182:Part 2:2018 (RA:2023 )	14.13	µg/m <sup>3</sup>	100 µg/m <sup>3</sup>
4	NO <sub>2</sub>	IS 5182:Part 6:2006 (RA:2022 )	29.4	µg/m <sup>3</sup>	60 µg/m <sup>3</sup>

Checked by:

Name: Mr. Ashok Kumar Singh

Signature:

Designation: Chief Executive Officer



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## TEST REPORT (AMBIENT AIR)

Sample Number:	VEC/RNC/23-24/250	Report No.:	VEC/RNC/23-24/250
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION, DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30/03/2024
		Receipt Date :	23/03/2024
Sample Description:	AMBINET AIR		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto
Sampling Location	: Near Parwa Middle School
Latitude	: 24°10'10.44"N
Longitude	: 84°3'47.47"E
Instrument Used	: RDS APM 460, FPS APM 550 MINI
Instrument code	: VEC/RNC/16C (RDS), VEC/RNC/18B(FPS)
Instrument calibration status	: 22-08-2023 to 21-08-2024
Meteorological condition during monitoring	: RH-40%
Date of Monitoring	: 22.03.2024
Time of Monitoring	: 11.20 AM
Actual duration of Monitoring. (minutes)	: 480 Minutes
Ambient Temperature (OC)	: 30 °C
Surrounding activity	: Residential, Agriculture
Scope of Monitoring	: PM10,PM2.5,SO2,NOX
Control measure if Any	: NO
Sampling Protocol	: IS 5182

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS
1	PM 10	IS 5182 : Part 23 : 2006 (RA: 2022)	83	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
2	PM 2.5	IS 5182 : Part 24 : 2019	65	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
3	SO <sub>2</sub>	IS 5182:Part 2:2018 (RA:2023 )	16.8	µg/m <sup>3</sup>	100 µg/m <sup>3</sup>
4	NO <sub>2</sub>	IS 5182:Part 6-2006 (RA:2022 )	32.8	µg/m <sup>3</sup>	60 µg/m <sup>3</sup>

Checked by:

Authorized Signatory

Name: Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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## TEST REPORT (AMBIENT AIR)

Sample Number:	VEC/RNC/23-24/251	Report No.:	VEC/RNC/23-24/251
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION, DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30/03/2024
		Receipt Date :	23/03/2024
Sample Description:	AMBINET AIR		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (Surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahato
Sampling Location	: Railway Siding Coal
Latitude	: 24°9'36.21"N
Longitude	: 84°2'57.99"E
Instrument Used	: RDS APM 460, FPS APM 550 MINI
Instrument code	: VEC/RNC/158 (RDS), VEC/RNC/17A(FPS)
Instrument calibration status	: 22-08-2023 to 21-08-2024
Meteorological condition during monitoring	: RH-40%
Date of Monitoring	: 23.03.2024
Time of Monitoring	: 07.10 AM
Actual duration of Monitoring. (minutes)	: 480 Minutes
Ambient Temperature (OC)	: 30 °C
Surrounding activity	: VACANT LAND
Scope of Monitoring	: PM10, PM2.5, SO2, NOX
Control measure if Any	: NO
Sampling Protocol	: IS 5182

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS
1	PM 10	IS 5182 : Part 23 : 2006 (RA: 2022)	83	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
2	PM 2.5	IS 5182 : Part 24 : 2019	61	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
3	SO <sub>2</sub>	IS 5182:Part 2:2018 (RA:2023 )	16.2	µg/m <sup>3</sup>	100 µg/m <sup>3</sup>
4	NO <sub>2</sub>	IS 5182:Part 6:2006 (RA:2022 )	35.8	µg/m <sup>3</sup>	60 µg/m <sup>3</sup>

Checked by:

Authorized Signatory  
Name: Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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## TEST REPORT (AMBIENT AIR)

Sample Number:	VEC/RNC/23-24/252	Report No.:	VEC/RNC/23-24/252
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION, DALTONGANJ	Party Reference No.:	-----
		Reporting Date:	30/03/2024
		Receipt Date:	23/03/2024
Sample Description:	AMBINET AIR		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Saliu (surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto
Sampling Location	: R and R SITE
Latitude:	: 24°9'17.34"N
Longitude:	: 84°2'33.03"E
Instrument Used	: RDS APM 460, FPS APM 550 MINI
Instrument code	: VEC/RNC/16C (RDS), VEC/RNC/18B(FPS)
Instrument calibration status	: 22-08-2023 to 21-08-2024
Meteorological condition during monitoring	: RH-41%
Date of Monitoring	: 23.03.2024
Time of Monitoring	: 07.20 AM
Actual duration of Monitoring (minutes)	: 480 Minutes
Ambient Temperature (OC)	: 30 °C
Surrounding activity	: Vacant Land, Agriculture
Scope of Monitoring	: PM10, PM2.5, SO <sub>2</sub> , NO <sub>x</sub>
Control measure if Any	: NO
Sampling Protocol	: IS 5182

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS
1	PM 10	IS 5182 : Part 23 : 2006 (RA: 2022)	80	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
2	PM 2.5	IS 5182 : Part 24 : 2019	53	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
3	SO <sub>2</sub>	IS 5182:Part 2:2018 (RA:2023)	18.6	µg/m <sup>3</sup>	100 µg/m <sup>3</sup>
4	NO <sub>2</sub>	IS 5182:Part 6:2006 (RA:2022)	34.7	µg/m <sup>3</sup>	60 µg/m <sup>3</sup>

Checked by:

Name: Authorized Signatory  
Mr. Ajay Kumar Singh

Signature:

Designation:

Chief Executive Officer

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Email – visionearthjkh@gmail.com



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## TEST REPORT (AMBIENT AIR)

Sample Number:	VEC/RNC/23-24/253	Report No.:	VEC/RNC/23-24/253
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION, DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30/03/2024
		Receipt Date :	23/03/2024
Sample Description:	AMBINET AIR		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto
Sampling Location	: Parwa office
Latitude	: 24°9'47.28"N
Longitude	: 84°3'44.25"E
Instrument Used	: RDS APM 460, FPS APM 550 MINI
Instrument code	: VEC/RNC/15B (RDS), VEC/RNC/17A(FPS)
Instrument calibration status	: 22-08-2023 to 21-08-2024
Meteorological condition during monitoring	: RH-40%
Date of Monitoring	: 23-03-2024
Time of Monitoring	: 03:30 AM
Actual duration of Monitoring, (minutes)	: 480 Minutes
Ambient Temperature (OC)	: 30 °C
Surrounding activity	: Residential
Scope of Monitoring	: PM10, PM2.5, SO <sub>2</sub> , NO <sub>X</sub>
Control measure if Any	: NO
Sampling Protocol	: IS 5182

## TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS
1	PM 10	IS 5182 : Part 23 : 2006 (RA: 2022)	72	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
2	PM 2.5	IS 5182 : Part 24 : 2019	50	µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
3	SO <sub>2</sub>	IS 5182:Part 2:2018 (RA:2023 )	13.8	µg/m <sup>3</sup>	100 µg/m <sup>3</sup>
4	NO <sub>2</sub>	IS 5182:Part 6:2006 (RA:2022 )	31.8	µg/m <sup>3</sup>	60 µg/m <sup>3</sup>

Checked by:

Authorized Signatory  
Name: Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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Email – visionearthjkh@gmail.com





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## TEST REPORT (NOISE)

Sample Number:	VEC/RNC/23-24/254	Report No.:	VEC/RNC/23-24/254
Name & Address of Party:	FAIR MINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION DALTONGANJ	Party Reference No.:	---
		Reporting Date :	30.03.2024
		Receipt Date :	23.03.2024
Sample Description:	AMBIENT NOISE LEVEL		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (Surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahato (field Assistant)
Sampling Location	: SITE OFFICE
Latitude	: 24°9'48.33"N
Longitude	: 84°3'35.13"E
Date of Monitoring	: 22.03.2024
Time of Monitoring	: 10.20
Instrument used	: Sound Level Meter
Instrument code	: VEC/RNC/21
Instrument calibration status	: 22.08.2023 to 21.08.2024
Meteorological Condition during monitoring	: RH-40%
Ambient Temperature (°C)	: 31
Surrounding activity	: Human & Machine Activity
Scope of Monitoring	: Ambient Noise Level
Control measure if Any	: No
Protocol used for Sampling	: IS 9989-1981 (RA:2023)
Sampling Duration	: 24 Hours

## TEST RESULT

S. No.	Parameters	Protocol	Result	Unit	CPCB Limit
1	Ambient Noise Level	IS 9989-1981 (RA:2023)	59	dB	75 dB (A) DAY TIME & 70 dB (A) Night Time

Checked by:

Authorized Signatory  
Name: Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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Contact: - +91-9955095641, +91-9546333332,

Email – visionearthjhhk@gmail.com





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## TEST REPORT (NOISE)

Sample Number:	VEC/RNC/23-24/255	Report No.:	VEC/RNC/23-24/255
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30.03.2024
		Receipt Date :	23.03.2024
Sample Description:	AMBIENT NOISE LEVEL		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (Surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto (field Assistant)
Sampling Location	: Near Parwa Middle School
Latitude	: 24°10'10.44"N
Longitude	: 84°3'47.47"E
Date of Monitoring	: 22.03.2024
Time of Monitoring	: 11.20
Instrument used	: Sound Level Meter
Instrument code	: VEC/RNC/21
Instrument calibration status	: 22.08.2023 to 21.08.2024
Meteorological Condition during monitoring	: RH-40%
Ambient Temperature (°C)	: 31
Surrounding activity	: Human & Machine Activity
Scope of Monitoring	: Ambient Noise Level
Control measure if Any	: No
Protocol used for Sampling	: IS 9989-1981 (RA-2023)
Sampling Duration	: 24 Hours

### TEST RESULT

S. No.	Parameters	Protocol	Result	Unit	CPCB Limit
1	Ambient Noise Level	IS 9989-1981 (RA-2023)	63	dB	75 dB (A) DAY TIME & 70 dB (A) Night Time

Checked by:

Name: Authorized Signatory  
Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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## TEST REPORT (NOISE)

Sample Number:	VEC/RNC/23-24/256	Report No.:	VEC/RNC/23-24/256
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION DALTONGANJ	Party Reference No.:	---
		Reporting Date :	30.03.2024
		Receipt Date:	24.03.2024
Sample Description:	AMBIENT NOISE LEVEL		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (Surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto (field Assistant)
Sampling Location	: Railway Siding Coal
Latitude	: 24°9'36.21"N
Longitude	: 84°2'57.99"E
Date of Monitoring	: 23.03.2024
Time of Monitoring	: 07.12
Instrument used	: Sound Level Meter
Instrument code	: VEC/RNC/21
Instrument calibration status	: 22.08.2023 to 21.08.2024
Meteorological Condition during monitoring	: RH-41%
Ambient Temperature (°C)	: 32
Surrounding activity	: Human & Machine Activity
Scope of Monitoring	: Ambient Noise Level
Control measure if Any	: No
Protocol used for Sampling	: IS 9989-1981 (RA:2023)
Sampling Duration	: 24 Hours

### TEST RESULT

S. No.	Parameters	Protocol	Result	Unit	CPCB Limit
1	Ambient Noise Level	IS 9989-1981 (RA:2023)	68	dB	75 dB (A) DAY TIME & 70 dB (A) Night Time

Checked by:

Name: Authorized Signatory  
Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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## TEST REPORT (NOISE)

Sample Number:	VEC/RNC/23-24/257	Report No.:	VEC/RNC/23-24/257
Name & Address of Client:	FAIRMINÉ CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30.03.2024
		Receipt Date :	24.03.2024
Sample Description:	AMBIENT NOISE LEVEL		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (Surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto (field Assistant)
Sampling Location	: Near Parwa Middle School
Latitude	: 24°10'10.44"N
Longitude	: 84°3'47.47"E
Date of Monitoring:	: 23.03.2024
Time of Monitoring	: 07:20
Instrument used	: Sound Level Meter
Instrument code	: VEC/RNC/21
Instrument calibration status	: 22.08.2023 to 21.08.2024
Meteorological Condition during monitoring	: RH-40%
Ambient Temperature (°C)	: 31
Surrounding activity	: Human & Machine Activity
Scope of Monitoring	: Ambient Noise Level
Control measure if Any	: No
Protocol used for Sampling	: IS 9989-1981 (RA:2023)
Sampling Duration	: 24 Hours

## TEST RESULT

S. No.	Parameters	Protocol	Result	Unit	CPCB Limit
1	Ambient Noise Level	IS 9989-1981 (RA:2023)	65	dB	75 dB (A) DAY TIME & 70 dB (A) Night Time

Checked by:

Authorized Signatory  
Name: Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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## TEST REPORT (NOISE)

Sample Number:	VEC/RNC/23-24/258	Report No.:	VEC/RNC/23-24/258
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD, NEAR PANDWA, POLICE STATION DALTONGANJ	Party Reference No.:	-----
		Reporting Date :	30.03.2024
		Receipt Date:	24.03.2024
Sample Description:	AMBIENT NOISE LEVEL		

### General Information

Client Representative (Name & Designation)	: Tuleshwar Sahu (Surveyor)
Sample collected by (Name & Designation)	: Manoj Kumar Mahto (field Assistant)
Sampling Location	: Parwa Office
Latitude	: 24°9'47.28"N
Longitude	: 84°3'44.25"E
Date of Monitoring	: 23.03.2024
Time of Monitoring	: 15.30
Instrument used	: Sound Level Meter
Instrument code	: VEC/RNC/21
Instrument calibration status	: 22.08.2023 to 21.08.2024
Meteorological Condition during monitoring	: RH-43%
Ambient Temperature (°C)	: 39
Surrounding activity	: Human & Machine Activity
Scope of Monitoring	: Ambient Noise Level
Control measure if Any	: No
Protocol used for Sampling	: IS 9989-1981 (RA:2023)
Sampling Duration	: 24 Hours

### TEST RESULT

S. No.	Parameters	Protocol	Result	Unit	CPCB Limit
1	Ambient Noise Level	IS 9989-1981 (RA:2023)	60	dB	75 dB (A) DAY TIME & 70 dB (A) Night Time

Checked by:

Authorized Signatory  
Name: Mr. Ajay Kumar Singh

Signature:

Designation: Chief Executive Officer



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### TEST REPORT (AMBIENT AIR)

Sample Number:	VEC/RNC/23-24/259		Report No.:	VEC/RNC/23-24/259		
Name & Address of Client:	FAIRMINE CARBONS PVT. LTD. NEAR PANDWA, POLICE STATION, DALTONGANJ		Party Reference No.:	-----		
			Reporting Date :	30/03/2024		
			Receipt Date :	23/03/2024		
Sample Description:	AMBINET AIR					
Plant Status	Operational	Period of Analysis	23.03.2024 to 30.3.2024			
<b>METEOROLOGICAL INFORMATION</b>						
1	Average Temperature(°C)	: 39 °C	2	Barometric Pressure (mmHg)	: 755 mmHg	
3	Relative Humidity (%)	: 43%	4	Weather Condition	: Clear	
5	NABL Group	: Atmospheric Pollution	6	Discipline	: Chemical	
Parameters		* Mercury (Hg)	* Arsenic(As)	* Nickel (Ni)	* Cadmium (Cd)	* Chromium (Cr)
Test Protocol		IS 5182 (Part 22)	/AIR/ SOP/ 01/2022	IS 5182 (Part 25)	---	---
Locations		Limits	6.0	20	---	---
		Unit	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
<b>Parwa Office</b>		AVG. Results	BDL	<2.0	BDL	BDL
Latitude: 24°9'47.28"N						
Longitude :84°3'44.25"E						
<b>Railway Siding Coal</b>		AVG. Results	BDL	<2.0	BDL	BDL
Latitude: 24°9'36.21"N						
Longitude :84°2'57.99"E						
<b>R and R Site(Near Solar Panel)</b>		AVG. Results	BDL	<2.0	BDL	BDL
Latitude: 24°9'17.34"N						
Longitude:84°2'33.03"E						
<b>Near Parwa Middle School</b>		AVG. Results	BDL	<2.0	BDL	BDL
Latitude: 24°10'10.44"N						
Longitude:84°3'47.47"E						
<b>Site Office</b>		AVG. Results	BDL	<2.0	BDL	BDL
Latitude: 24°9'48.33"N						
Longitude:84°3'35.13"E						

Note:- (\*) All star parameter are out of sources.

Checked by:

Authorized Signatory

Name: Mr. Ajay Kumar Singh

Signature:



Designation: Chief Executive Officer

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