

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/526D/79G/01

Reporting Date : 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



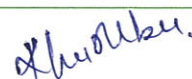
SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Waste Water	Analysis Start Date:	28/05/2024
Sample Description:	STP Outlet(WW)	Analysis End Date:	04/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.55	-	IS 3025- Part 11	NS
2	Total Suspended Solids	44.00	mg/L	APHA 23rd Edn 2540 D	50
3	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	NS
4	Chemical Oxygen Demand	50.00	mg/L	APHA 23rd Edn 5220 B	100
5	Dissolved Oxygen	4.8	mg/L	IS 3025- Part 38	NS
6	BOD at 27 °C for 3 days	15	mg/L	IS 3025- Part 44	30
7	Manganese	BQL (QL=0.1)	mg/L	GGMPL/SOP/W & WW/46	NS

Norms As Per CTO.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Khushbu Suthar




Authorized Signatory
Manish Kumawat

--- End of Report ---

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/526D/79G/02

Reporting Date : 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	28/05/2024
Sample Description:	Officer Colony Water Supply (GW)	Analysis End Date:	04/06/2024
Sample Quantity:	3.8 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

					Specification:	
Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO ₃	152.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	54.50	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	71.97	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.65	mg/L	APHA 23rd Edn 4500 F D	1	1.5
6	Magnesium as Mg	13.60	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.25	-	IS 3025- Part 11	6.5-8.5	No Relaxation
9	Sulphate	52.84	mg/L	APHA 23rd Edn 4500 SO ₄ E	200	400
10	Total Dissolved Solids (TDS)	344.00	mg/L	APHA 23rd Edn 2540 C	500	2000
11	Total Suspended Solids (TSS)	8.00	mg/L	APHA 23rd Edn 2540 D	NS	NS

AL & PL As Per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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Khushbu Suthar



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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/526D/79G/02

Reporting Date : 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	28/05/2024
Sample Description:	Officer Colony Water Supply (GW)	Analysis End Date:	04/06/2024
Sample Quantity:	3.8 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

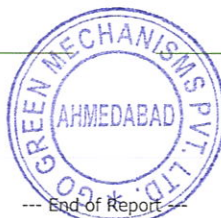
Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
12	Total Hardness as CaCO ₃	192.00	mg/L	APHA 23rd Edn 2340 C	200	600
13	Turbidity	BQL (QL=0.1)	NTU	APHA 23rd Edn 2130 B	NS	NS
14	Iron	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.3	No Relaxation
15	Manganese	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.1	0.3
16	Nitrate	2.84	mg/L	APHA 23rd Edn 4500 NO ₃ B	45	No Relaxation

AL & PL As Per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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Analyzed By
Khushbu Suthar



Manish Kumawat
Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/526D/79G/03

Reporting Date : 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



TC-7073

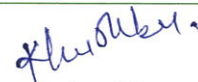
SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/03	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Waste Water	Analysis Start Date:	28/05/2024
Sample Description:	ETP Outlet (WW)	Analysis End Date:	04/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.45	-	IS 3025- Part 11	5.5 to 8.5
2	Total Suspended Solids	31.00	mg/L	APHA 23rd Edn 2540 D	100
3	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	10
4	Chemical Oxygen Demand	80.00	mg/L	APHA 23rd Edn 5220 B	250
5	Dissolved Oxygen	4.7	mg/L	IS 3025- Part 38	NS
6	BOD at 27 °C for 3 days	25	mg/L	IS 3025- Part 44	30
7	Manganese	BQL (QL=0.1)	mg/L	GGMPL/SOP/W & WW/46	NS


Norms As Per CTO.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Khushbu Sutthar



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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/526D/79G/04

Reporting Date : 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)




SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/04	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Waste Water	Analysis Start Date:	28/05/2024
Sample Description:	Mine Discharge Water (WW)	Analysis End Date:	04/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.45	-	IS 3025- Part 11	-
2	Total Suspended Solids	36.00	mg/L	APHA 23rd Edn 2540 D	-
3	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	-
4	Chemical Oxygen Demand	60.00	mg/L	APHA 23rd Edn 5220 B	-
5	Dissolved Oxygen	5.1	mg/L	IS 3025- Part 38	-
6	BOD at 27 o C for 3 days	17	mg/L	IS 3025- Part 44	-
7	Manganese	BQL (QL=0.1)	mg/L	GGMPL/SOP/W & WW/46	-

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit


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Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



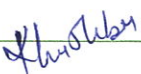
TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/05	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Mine Office	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	70.08	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.90	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.89	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.70	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.22	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.94	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.10	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


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Khushbu Sutthar




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Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/05	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Mine Office	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	37	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	42	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/526D/79G/06

Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



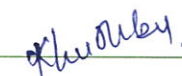
TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/06	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Sita Sawangi Village	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	63.04	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.91	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.92	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.52	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.80	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	11.39	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.09	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit


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Page No : 1/2

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Mobile No : +91-7069072001

Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/526D/79G/06

Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)

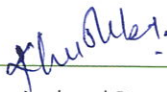


SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/06	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Sita Sawangi Village	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	38	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	43	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Khushbu Suthar




Authorized Signatory
Manish Kumawat

Page No : 2/2

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/526D/79G/07

Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara (M.S)

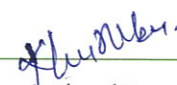


SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/07	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/06/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Durg Chowk	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	68.59	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.37	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.91	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.11	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.09	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.09	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Khushbu Suthar




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Manish Kumawat

Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/526D/79G/07

Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



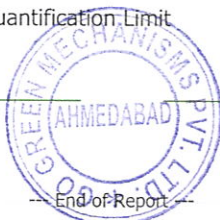
SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/07	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/06/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Durg Chowk	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	39	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	43	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Khushbu Suthar



Authorized Signatory
Manish Kumawat

Page No : 2/2

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/526D/79G/08

Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/08	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Mine Vertical Shaft	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	64.76	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.82	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.40	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.84	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.05	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.66	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.08	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Khushbu Suthar



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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/526D/79G/08

Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



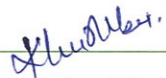
TC-7073

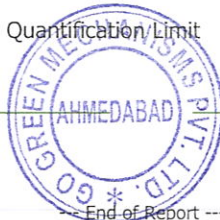
SAMPLE DETAILS

Lab ID:	Lab/PN/526D/79G/08	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Mine Vertical Shaft	Analysis start- End Date:	28/05/2024-04/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	39	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	44	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Khushbu Sutthar




Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/526D/79G/09

Reporting Date: 05/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter

Sampling Date:

25/05/2024

Sample By Laboratory Representative

Sample Description:

Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/526D/79 G/09A	Nr Workshop	Day Time	dB(A)Leq	IS 4758	63.9	-
2	Lab/PN/526D/79 G/09B	Nr Vertical Fan	Day Time	dB(A)Leq	IS 4758	62.8	-
3	Lab/PN/526D/79 G/09C	Nr Crushing Plant	Day Time	dB(A)Leq	IS 4758	64.6	-
4	Lab/PN/526D/79 G/09D	Nr DG Set	Day Time	dB(A)Leq	IS 4758	65.9	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Khushbu

Analyzed By
Khushbu Suthar



--- End of Report ---

Manish Kumawat

Authorized Signatory
Manish Kumawat

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/529D/79G/01

Reporting Date : 03/06/2024

M/s Moil Limited

Chikla Manganese Mines L1=150.650 Ha Site Tah-Tumsar District:- Bhandara
(M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/529D/79G/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Ground Water	Analysis Start Date:	28/05/2024
Sample Description:	Officer Colony Water Supply (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Total coliform	Absent	per 100ml	APHA 9221B 24th Edition 2021	Absent	Absent
2	E. coli	Absent	per 100ml	APHA 9221G 24th Edition	Absent	Absent

AL & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Nidhi Shah



--- End of Report ---

Authorized Signatory
Dr. Haragobinda Srichandan

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/525D/79F/01

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/525D/79F/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Railway Siding Office Drinking Water (DW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

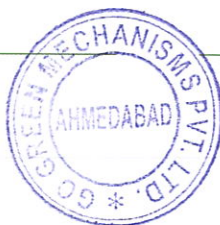
Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO ₃	165.00	mg/L	APHA 23rd Edition (2320 B)	200	600
2	Calcium as Ca	62.12	mg/L	APHA 23rd Edition (3500 Ca B)	75	200
3	Chloride	98.96	mg/L	IS 3025 -Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025 Part-4	5	15
5	Magnesium as Mg	46.17	mg/L	APHA 23rd Edition (3500 Mg B)	30	100
6	Odour	Agreeable	-	IS 3025 Part 5	Agreeable	Agreeable
7	pH at 25 °C	7.65	-	IS 3025-Part 11	6.5 to 8.5	No Relaxation
8	Sulphate	85.70	mg/L	APHA 23rd Edition (4500 SO ₄ E)	200	400
9	Total Dissolved Solids (TDS)	404.00	mg/L	APHA 23rd Edition (2540 C)	500	2000
10	Total Hardness as CaCO ₃	345.00	mg/L	APHA 23rd Edition (2340 C)	200	600
11	Total Suspended Solids (TSS)	12.00	mg/L	APHA 23rd Edition (2540 D)	NS	NS
12	Turbidity	BQL (QL=0.1)	NTU	APHA 23rd Edition (2130 B):	1	5

AL & PL As Per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Priyanka Shrimali



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Manish Kumawat

Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/525D/79F/01

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS

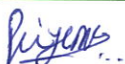
Lab ID:	Lab/PN/525D/79F/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Railway Siding Office Drinking Water (DW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
13	Iron	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.3	No Relaxation
14	Manganese	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.1	0.3
15	Fluoride (F)	0.65	mg/L	APHA 23rd Edn 4500 F D	1	1.5
16	Nitrate	2.95	mg/L	APHA 23rd Edn 4500 NO3 B	45	No Relaxation

AL & PL As Per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


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Page No : 2/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/525D/79F/02

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024




SAMPLE DETAILS

Lab ID:	Lab/PN/525D/79F/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Railway Siding Water Supply (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

					Specification:	
Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO ₃	192.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	50.10	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	60.48	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.65	mg/L	APHA 23rd Edn 4500 F D	1	1.5
6	Magnesium as Mg	24.30	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.75	-	IS 3025- Part 11	6.5 to 8.5	No Relaxation
9	Sulphate	52.16	mg/L	APHA 23rd Edn 4500 SO ₄ E	200	400
10	Total Dissolved Solids (TDS)	380.00	mg/L	APHA 23rd Edn 2540 C	500	2000
11	Total Suspended Solids (TSS)	14.00	mg/L	APHA 23rd Edn 2540 D	NS	NS

AL & PL As Per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


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Priyanka Shrimali




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Manish Kumawat

Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/525D/79F/02

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS


Lab ID:	Lab/PN/525D/79F/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Railway Siding Water Supply (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
12	Total Hardness as CaCO ₃	225.00	mg/L	APHA 23rd Edn 2340 C	200	600
13	Turbidity	BQL (QL=0.1)	NTU	APHA 23rd Edn 2130 B	1	5
14	Iron	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.3	No Relaxation
15	Manganese	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.1	0.3
16	Nitrate	3.96	mg/L	APHA 23rd Edn 4500 NO ₃ B	45	No Relaxation

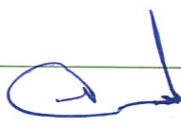
AL & PL As Per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


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Priyanka Shrimali



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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/525D/79F/03

Reporting Date: 04/06/2024

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)



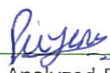
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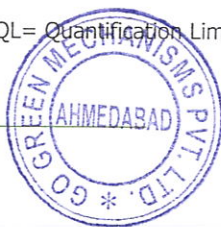
SAMPLE DETAILS

Lab ID:	Lab/PN/525D/79F/03	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Weigh Bridge	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	73.15	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	25.82	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	25.80	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.23	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.43	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.09	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.04	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/525D/79F/03

Reporting Date: 04/06/2024

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)

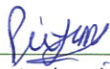


SAMPLE DETAILS

Lab ID:	Lab/PN/525D/79F/03	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Weigh Bridge	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	39	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	40	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3	m/s	GGMPL/SOP/MP/01:2020	NS

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/525D/79F/04

Reporting Date: 04/06/2024

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)




SAMPLE DETAILS

Lab ID:	Lab/PN/525D/79F/04	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Railway Siding	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	71.86	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.99	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	21.51	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.40	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	18.26	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.94	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.08	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit


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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/525D/79F/04

Reporting Date: 04/06/2024

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)




SAMPLE DETAILS

Lab ID:	Lab/PN/525D/79F/04	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Near Railway Siding	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	40	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	39	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3	m/s	GGMPL/SOP/MP/01:2020	NS

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Head Office & Lab

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Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/525D/79F/05

Reporting Date: 04/06/2024

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)




SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 25/05/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/525D/79 F/05A	Weigh Bridge	Day Time	dB(A)Leq	IS 4758	67.1	-
2	Lab/PN/525D/79 F/05B	Loading Unloading	Day Time	dB(A)Leq	IS 4758	69.2	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/528D/79F/01

Reporting Date : 03/06/2024

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS


Lab ID:	Lab/PN/528D/79F/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	28/05/2024
Sample Description:	Railway Siding Office Drinking Water (DW)	Analysis End Date:	03/06/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Total coliform	Absent	per 100ml	APHA 9222 A&B 24th Edition 2021	Absent	Absent
2	E.coli	Absent	per 100ml	APHA 9222H 24th Edition 2021	Absent	Absent

AL & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Nidhi Shah



--- End of Report ---


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Dr. Haragobinda Srichandan

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/528D/79F/02

M/s Moil Limited

Chikla Railway Siding Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 03/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/528D/79F/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Ground Water	Analysis Start Date:	28/05/2024
Sample Description:	Railway Siding Water Supply (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Total coliform	Absent	per 100ml	APHA 9221B 24th Edition 2021	Absent	Absent
2	E. coli	Absent	per 100ml	APHA 9221G 24th Edition	Absent	Absent

AL & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Nidhi
Analyzed By
Nidhi Shah



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/01

Reporting Date : 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Surface Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Sand Lease River	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	Alkalinity as CaCO ₃	76.00	mg/L	APHA 23rd Edn 2320 B	-
2	Calcium as Ca	44.09	mg/L	APHA 23rd Edn 3500 Ca B	-
3	Chloride	50.98	mg/L	IS 3025- Part 32	-
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	-
5	Fluoride	0.30	mg/L	APHA 23rd Edn 4500 F D	-
6	Magnesium as Mg	17.01	mg/L	APHA 23rd Edn 3500 Mg B	-
7	Odour	Agreeable	-	IS 3025- Part 5	-
8	pH at 25 °C	7.59	-	IS 3025- Part 11	-
9	Sulphate	28.47	mg/L	APHA 23rd Edn 4500 SO ₄ E	-
10	Total Dissolved Solids (TDS)	258.00	mg/L	APHA 23rd Edn 2540 C	-
11	Total Suspended Solids (TSS)	BQL (QL=5)	mg/L	APHA 23rd Edn 2540 D	-
12	Total Hardness as CaCO ₃	180.00	mg/L	APHA 23rd Edn 2340 C	-

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit


Analyzed By
Dishant Patel




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Manish Kumawat

Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/01

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Surface Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Sand Lease River	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
13	Turbidity	BQL (QL=0.1)	NTU	APHA 23rd Edn 2130 B	-
14	Iron	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	-
15	Manganese	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	-
16	Nitrate	3.64	mg/L	APHA 23rd Edn 4500 NO3 B	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Dishant Patel



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/02

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Sand Lease 2 km From Site (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO ₃	140.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	46.09	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	52.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.33	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	10.69	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.41	-	IS 3025- Part 11	6.5 to 8.5	No Relaxation
9	Sulphate	18.53	mg/L	APHA 23rd Edn 4500 SO ₄ E	200	400
10	Total Dissolved Solids (TDS)	260.00	mg/L	APHA 23rd Edn 2540 C	500	1000
11	Total Suspended Solids (TSS)	BQL (QL=5)	mg/L	APHA 23rd Edn 2540 D	NS	NS
12	Total Hardness as CaCO ₃	159.0000	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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Report Number: GGMPL/PN/527D/79H/02

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Sand Lease 2 km From Site (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
13	Turbidity	BQL (QL=0.1)	NTU	APHA 23rd Edn 2130 B	1	5
14	Iron	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.3	No Relaxation
15	Manganese	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.1	0.3
16	Nitrate	2.60	mg/L	APHA 23rd Edn 4500 NO3 B	45	No Relaxation

AI & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/03

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/03	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Village Borewell (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO ₃	118.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	39.27	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	44.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.31	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	11.18	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.38	-	IS 3025- Part 11	6.5 to 8.5	No Relaxation
9	Sulphate	38.61	mg/L	APHA 23rd Edn 4500 SO ₄ E	200	400
10	Total Dissolved Solids (TDS)	250.00	mg/L	APHA 23rd Edn 2540 C	500	2000
11	Total Suspended Solids (TSS)	BQL (QL=5)	mg/L	APHA 23rd Edn 2540 D	NS	NS
12	Total Hardness as CaCO ₃	144.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/03

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/03	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Village Borewell (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
13	Turbidity	BQL (QL=0.1)	NTU	APHA 23rd Edn 2130 B	1.0	1.5
14	Iron	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.3	No Relaxation
15	Manganese	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.1	0.3
16	Nitrate	1.65	mg/L	APHA 23rd Edn 4500 NO3 B	0.00000	0.00000

AL & PL As Per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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Dishant Patel



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/04

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 04/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/04	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Village Tola Borewell (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO ₃	138.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	44.08	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	58.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.16	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	14.09	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.28	-	IS 3025- Part 11	6.5 to 8.5	No Relaxation
9	Sulphate	15.41	mg/L	APHA 23rd Edn 4500 SO ₄ E	200	400
10	Total Dissolved Solids (TDS)	265.00	mg/L	APHA 23rd Edn 2540 C	500	2000
11	Total Suspended Solids (TSS)	BQL (QL=5)	mg/L	APHA 23rd Edn 2540 D	NS	NS
12	Total Hardness as CaCO ₃	159.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/04

Reporting Date : 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/04	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Water	Analysis Start Date:	27/05/2024
Sample Description:	Pathari Village Tola Borewell (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	3.5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
13	Turbidity	BQL (QL=0.1)	NTU	APHA 23rd Edn 2130 B	1	5
14	Iron	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.3	No Relaxation
15	Manganese	BQL (QL=0.05)	mg/L	GGMPL/SOP/W & WW/46	0.1	0.3
16	Nitrate	3.35	mg/L	APHA 23rd Edn 4500 NO3 B	45	No Relaxation

AL & PL As Per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/05

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/05	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Pathari Sand lease from 500m	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	67.17	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	18.01	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.43	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.02	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.66	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.13	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/05

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/05	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Pathari Sand lease from 500m	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	39	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	48	%	GGMPL/SOP/MP/01	NS
14	Rainfall	00	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/06

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/06	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Hall Road of sand Lease 2 km east	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	65.20	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.57	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.06	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.11	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.96	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	11.39	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.13	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/06

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



TC-7073

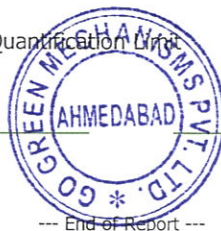
SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/06	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Hall Road of sand Lease 2 km east	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	39	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	48	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/07

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/07	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Point of Sand Lease	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	70.01	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.91	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	18.68	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.87	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.96	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	11.40	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.15	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/07

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/07	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Point of Sand Lease	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	39	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	48	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/08

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/08	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Pathari Village	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	66.17	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.58	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.08	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.84	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	12.28	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	9.97	µg/Nm3	GGMPL/SOP/AA/62 Issue No.02 August 01	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	1.12	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Dishant Patel



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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/527D/79H/08

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

Lab ID:	Lab/PN/527D/79H/08	Sampling Start Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/05/2024
Sample Type:	Ambient Air	Sample Receipt Date:	27/05/2024
Sample Description:	Pathari Village	Analysis start- End Date:	27/05/2024-03/06/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	39	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	48	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	3.5	m/s	GGMPL/SOP/MP/01:2020	NS

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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/527D/79H/09

Reporting Date: 04/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



SAMPLE DETAILS

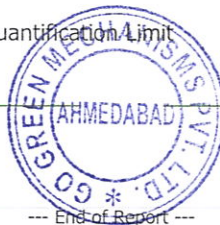
Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 25/05/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/527D/79 H/09A	Pathari Sand Lease From 500 m	Day Time	dB(A)Leq	IS 4758	64.8	-
2	Lab/PN/527D/79 H/09B	Hall Road of sand lease 1 km east	Day Time	dB(A)Leq	IS 4758	64.5	-
3	Lab/PN/527D/79 H/09C	Point of sand lease	Day Time	dB(A)Leq	IS 4758	67.4	-
4	Lab/PN/527D/79 H/09D	Pathari Village	Day Time	dB(A)Leq	IS 4758	65.1	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/530D/79H/01

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 03/06/2024



SAMPLE DETAILS

Lab ID:	Lab/PN/530D/79H/01	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Surface Water	Analysis Start Date:	28/05/2024
Sample Description:	Pathari sand lease River	Analysis End Date:	03/06/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	Total coliform	Absent	per 100ml	APHA 9221B 24th Edition 2021	-
2	E. coli	Absent	per 100ml	APIA 9221G 24th Edition	-

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Nidhi Shah



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Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/530D/79H/02

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 03/06/2024



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/530D/79H/02	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Ground Water	Analysis Start Date:	28/05/2024
Sample Description:	Pathari Sand Lease 2 km From Site (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Total coliform	Absent	per 100ml	APHA 9221B 24th Edition 2021	Absent	Absent
2	E. coli	Absent	per 100ml	APHA 9221G 24th Edition	Absent	Absent

AL & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Nidhi Shah
Analyzed By
Nidhi Shah



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Report Number: GGMPL/PN/530D/79H/03

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)

Reporting Date : 03/06/2024



TC-7073

SAMPLE DETAILS


Lab ID:	Lab/PN/530D/79H/03	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Ground Water	Analysis Start Date:	28/05/2024
Sample Description:	Pathari Village Borewell (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Total coliform	Absent	per 100ml	APHA 9221B 24th Edition 2021	Absent	Absent
2	E. coli	Absent	per 100ml	APHA 9221G 24th Edition	Absent	Absent

AL & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Nidhi Shah




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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/530D/79H/04

Reporting Date : 03/06/2024

M/s Moil Limited

Pathari Sand Leases 40.410 Tah-Tumsar District:- Bhandara (M.S)



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/530D/79H/04	Sampling Date:	25/05/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2024
Sample Type:	Ground Water	Analysis Start Date:	28/05/2024
Sample Description:	Pathari Village (Tola) Borewell (GW)	Analysis End Date:	03/06/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Total coliform	Absent	per 100ml	APHA 9221B 24th Edition 2021	Absent	Absent
2	E. coli	Absent	per 100ml	APHA 9221G 24th Edition	Absent	Absent

AL & PL as per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Nidhi Shah



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