GO GREEN MECHANISMS PVT. LTD.

Head Office & Lab
Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426 Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2378D/06D/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1-182.3001 Ha Site, At & P.O. Bharweli, Tnh.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/01	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Mine Office	Analysis start- End Date:	23/10/2024-29/10/2024
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)	71.63	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	41.66	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.60	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.13	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.76	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	10.95	µg/m3	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)	1.05	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
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2378D/06D/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/01	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Mine Office	Analysis start- End Date:	23/10/2024-29/10/2024
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	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	61	%	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	1.11	m/s	GGMPL/SOP/MP/01:2020	NS

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Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

--- End of Report ---

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2378D/06D/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/02	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Main Gate	Analysis start- End Date:	23/10/2024-29/10/2024
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)	75.41	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	45.82	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.36	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	29.39	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.01	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	13.38	µg/m3	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)	1.07	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

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Aarmi Patel

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TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/02	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Main Gate	Analysis start- End Date:	23/10/2024-29/10/2024
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	29	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	59	%	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	1.39	m/s	GGMPL/SOP/MP/01:2020	NS

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Analyzed By
Aarmi Patel

--- End of Report ---

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2378D/06D/03

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/03	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Sixth Level	Analysis start- End Date:	23/10/2024-29/10/2024
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)	67.43	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)	14.94	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.15	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.92	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	9.73	µg/m3	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)	1.07	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

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TC-7073

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Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Sixth Level	Analysis start- End Date:	23/10/2024-29/10/2024
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	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	62	%	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	0.83	m/s	GGMPL/SOP/MP/01:2020	NS

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TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/04	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Hospital	Analysis start- End Date:	23/10/2024-29/10/2024
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)	64.15	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.75	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.98	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.68	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.03	µg/m3	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)	1.07	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

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Sample Description:	Near Hospital	Analysis start- End Date:	23/10/2024-29/10/2024
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	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	63	%	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	1.11	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Aarmi Patel

Authorized Signatory
Tantan Kumar

--- End of Report ---

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/05

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument :	Sound Level Meter	Sampling Date:	21/10/2024
Sample By	Laboratory Representative	Sample Description:	Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2378D/06D/05A	Near Mine Office	Day Time	dB(A)Leq	IS 4758	61.6	-
2	Lab/PN/2378D/06D/05B	Near Main Gate	Day Time	dB(A)Leq	IS 4758	64.4	-
3	Lab/PN/2378D/06D/05C	Near Sixth Level	Day Time	dB(A)Leq	IS 4758	60.1	-
4	Lab/PN/2378D/06D/05D	Near Hospital	Day Time	dB(A)Leq	IS 4758	58.7	-

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

Analyzed By
Aarmi Patel

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/06

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/06	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	G.W Water Tank Under Ground Source	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	144.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	44.89	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	36.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.46	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	12.39	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.63	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	18.45	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	266.00	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 CaCO3	163.00	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/06

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/06	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	G.W Water Tank Under Ground Source	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	2.10	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/07

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/07	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	G.W DW-of Admin Office	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	107.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	39.28	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	65.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.52	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	27.95	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.59	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	24.40	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	281.00	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 CaCO3	213.00	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/07

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/07	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	G.W DW-of Admin Office	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	2.63	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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Aarmi Patel

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/08

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/08	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	G.W Hospital Borewell	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	107.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	47.70	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	76.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025 Part 4	5	15
5	Fluoride	0.46	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	27.22	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.62	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	35.32	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	320.00	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 CaCO3	231.00	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/08

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/08	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	G.W Hospital Borewell	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	3.11	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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GO GREEN MECHANISMS PVT. LTD.

Head Office & Lab
Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426
Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/09

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/09	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	D.W of Office Colony (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: AL	PL
1	Alkalinity as CaCO3	123.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	44.89	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	63.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.32	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	19.93	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.61	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	26.39	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	304.00	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

AL & PL As Per IS 10500.

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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2378D/06D/09

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2378D/06D/09	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	D.W of Office Colony (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: AL	Specification: PL
12	Total Hardness as CaCO3	194.00	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	2.63	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2397D/06D/01

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2397D/06D/01	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	Water tank under Ground Source	Analysis End Date:	28/10/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Aman Soni

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2397D/06D/02

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2397D/06D/02	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Drinking Water of Admin Office	Analysis End Date:	28/10/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

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
Aman Soni

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2397D/06D/03

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2397D/06D/03	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	Hospital Borewell	Analysis End Date:	28/10/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

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
Aman Soni

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2397D/06D/04

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L1=182.3004 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2397D/06D/04	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Drinking Water of Office Colony	Analysis End Date:	28/10/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

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.

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2379D/06E/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2379D/06E/01	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Adarsh Colony	Analysis start- End Date:	23/10/2024-29/10/2024
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)	68.82	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.33	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.09	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.93	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	10.09	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	14.60	µg/m3	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)	1.05	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

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Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2379D/06E/01	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Near Adarsh Colony	Analysis start- End Date:	23/10/2024-29/10/2024
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	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	60	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	1.11	m/s	GGMPL/SOP/MP/01:2020	

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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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GO GREEN MECHANISMS PVT. LTD.

Head Office & Lab
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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2379D/06E/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2379D/06E/02	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Bharweli Village	Analysis start- End Date:	23/10/2024-29/10/2024
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)	74.76	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	42.07	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	18.48	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.95	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.45	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.03	µg/m3	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2379D/06E/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2379D/06E/02	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Bharweli Village	Analysis start- End Date:	23/10/2024-29/10/2024
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	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	57	%	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	1.39	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

--- End of Report ---

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2379D/06E/03

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument :	Sound Level Meter	Sampling Date:	21/10/2024
Sample By	Laboratory Representative	Sample Description:	Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2379D/06E/03A	Adarsh Village	Day Time	dB(A)Leq	IS 4758	56.1	-
2	Lab/PN/2379D/06E/03B	Bharweli Village	Day Time	dB(A)Leq	IS 4758	62.3	-

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Analyzed By
Aarmi Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2379D/06E/04

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2379D/06E/04	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	Adarsh Colony Water Supply (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	164.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	41.28	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	54.98	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	17.74	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.53	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	24.11	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	335.00	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 CaCO3	176.00	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2379D/06E/04

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2379D/06E/04	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	Adarsh Colony Water Supply (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.22	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2398D/06E/01

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L2=0.789 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2398D/06E/01	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	22/10/2024
Sample Type:	Ground Water	Analysis Start Date:	22/10/2024
Sample Description:	Adarsh Colony Water Supply (GW)	Analysis End Date:	28/10/2024
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
Aman Soni

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2380D/06F/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/01	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Awalajare Village	Analysis start- End Date:	23/10/2024-29/10/2024
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)	69.17	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.66	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.30	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.10	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.37	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	10.95	µg/m3	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2380D/06F/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/01	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Awalajare Village	Analysis start- End Date:	23/10/2024-29/10/2024
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	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	56	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	1.1	m/s	GGMPL/SOP/MP/01:2020	

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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

--- End of Report ---

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2380D/06F/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/02	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Shivni Camp	Analysis start- End Date:	23/10/2024-29/10/2024
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)	65.44	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	33.74	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	10.67	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.25	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	12.54	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.81	µg/m3	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
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Tantan Kumar

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2380D/06F/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/02	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Shivni Camp	Analysis start- End Date:	23/10/2024-29/10/2024
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	32	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	61	%	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	0.83	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

--- End of Report ---

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2380D/06F/03

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/03	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Katangtolla Ward No.3	Analysis start- End Date:	23/10/2024-29/10/2024
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)	62.57	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.49	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.83	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.56	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	12.84	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.03	µg/m3	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)	1.06	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
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2380D/06F/03

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/03	Sampling Start Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	23/10/2024
Sample Description:	Katangtolla Ward No.3	Analysis start- End Date:	23/10/2024-29/10/2024
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	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	57	%	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	0.83	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2380D/06F/04

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative
Sampling Date: 21/10/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2380D/06F/04A	Awalajare Village	Day Time	dB(A)Leq	IS 4758	61.2	-
2	Lab/PN/2380D/06F/04B	Shivani Camp	Day Time	dB(A)Leq	IS 4758	64.3	-
3	Lab/PN/2380D/06F/04C	Kantangtolla Ward No.03	Day Time	dB(A)Leq	IS 4758	62.1	-

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2380D/06F/05

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/05	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Awalajare Village (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	143.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	33.67	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	38.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.45	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	19.44	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.58	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	17.36	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	262.00	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 CaCO3	164.00	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2380D/06F/05

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/05	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Awalajare Village (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.42	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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GO GREEN MECHANISMS PVT. LTD.

Head Office & Lab
Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426 Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2380D/06F/06

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/06	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Shivani Camp Borewell (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	147.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	41.28	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	46.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.44	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	19.44	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.21	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	21.52	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	287.00	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 CaCO3	183.00	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2380D/06F/06

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/06	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Shivani Camp Borewell (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.52	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2380D/06F/07

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/07	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Katangtolla Ward No.3 Borewell(GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: AL	PL
1	Alkalinity as CaCO3	157.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	43.69	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	49.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.19	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	20.90	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.45	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	26.19	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	312.00	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 CaCO3	195.00	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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Aarmi Patel

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2380D/06F/07

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2380D/06F/07	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	23/10/2024
Sample Type:	Water	Analysis Start Date:	23/10/2024
Sample Description:	Katangtolla Ward No.3 Borewell(GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.56	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Tantan Kumar

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2399D/06F/01

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2399D/06F/01	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	22/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	Awalajare Village (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AI	PI
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
Aman Soni

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2399D/06F/02

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2399D/06F/02	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	22/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	Shivani Camp Borewell (GW)	Analysis End Date:	28/10/2024
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
Aman Soni

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2399D/06F/03

Reporting Date : 28/10/2024

M/s Moil Limited
Balaghat Manganese Mines L3=76.409 Ha Site, At & P.O. Bharweli, Tah.
Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2399D/06F/03	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	22/10/2024
Sample Type:	Ground Water	Analysis Start Date:	23/10/2024
Sample Description:	Katangtolla Ward No.3 Borewell(GW)	Analysis End Date:	28/10/2024
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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Aman Soni

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2411D/06GG/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/01	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Main Gate	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	63.11	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)	16.31	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.31	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.41	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	12.16	µg/m3	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)	1.06	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
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2411D/06GG/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/01	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Main Gate	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	35	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	61	%	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	1.67	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2411D/06GG/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/02	Sampling Start Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Mine office	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.59	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.08	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.74	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.90	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.20	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	14.61	µg/m3	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

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Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2411D/06GG/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/02	Sampling Start Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Mine office	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	29	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	62	%	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	1.94	m/s	GGMPL/SOP/MP/01:2020	NS

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Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2411D/06GG/03

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/03	Sampling Start Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Pump House	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.98	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)	13.96	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.47	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.01	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	10.95	µg/m3	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

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Analyzed By
Manoj Kumar

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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2411D/06GG/03

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/03	Sampling Start Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Pump House	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	64	%	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	1.67	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2411D/06GG/04

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/04	Sampling Start Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Furnace	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.08	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.843	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.21	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.51	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	14.60	µg/m3	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

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Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/04	Sampling Start Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Furnace	Analysis start- End Date:	24/10/2024-29/10/2024
Env. Cond.-Sampling:	Satisfactory	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Ambient Temperature	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
12	Temperature	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	66	%	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	1.39	m/s	GGMPL/SOP/MP/01:2020	NS

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Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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End of Report

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GO GREEN MECHANISMS PVT. LTD.

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Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2411D/06GG/05

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 22/10/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2411D/06GG/05A	Near Main gate	Day Time	dB(A)Leq	IS 4758	59.1	-
2	Lab/PN/2411D/06GG/05B	Near Mine Office	Day Time	dB(A)Leq	IS 4758	62.3	-
3	Lab/PN/2411D/06GG/05C	Near Pump House	Day Time	dB(A)Leq	IS 4758	63.1	-
4	Lab/PN/2411D/06GG/05D	Near Furnace	Day Time	dB(A)Leq	IS 4758	67.5	-

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2411D/06GG/06

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/06	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	28/10/2024
Sample Description:	GW Ferro Manganese plant Open dugwell	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: AL	PL
1	Alkalinity as CaCO3	131.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	43.29	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	37.49	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.56	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	18.47	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.39	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	28.67	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	292.00	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

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2411D/06GG/06

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/06	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	28/10/2024
Sample Description:	GW Ferro Manganese plant Open dugwell	Analysis End Date:	29/10/2024
Sample Quantity:	3 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 CaCO3	184.00	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	1.52	mg/L	APHA 23rd Edn 4500 NO3 B	45	No relaxation

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2411D/06GG/07

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/07	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	GW Guest House water Supply	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	112.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	29.66	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	38.49	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.72	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	12.88	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.63	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	27.48	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	234.00	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 CaCO3	127.00	mg/L	APHA 23rd Edn 2340 C	200	600

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2411D/06GG/07

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/07	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	GW Guest House water Supply	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.66	mg/L	APHA 23rd Edn 4500 NO3 B	45	No relaxation

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2411D/06GG/08

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/08	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Waste Water	Analysis Start Date:	24/10/2024
Sample Description:	ETP Inlet (WW)	Analysis End Date:	29/10/2024
Sample Quantity:	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	7.38	-	IS 3025- Part 11	-
2	Total Suspended Solids	20.00	mg/L	APHA 23rd Edn 2540 D	-
3	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	-
4	Chemical Oxygen Demand	72.00	mg/L	APHA 23rd Edn 5220 B	-
5	Dissolved Oxygen	3.90	mg/L	IS 3025- Part 38	-
6	BOD at 27 o C for 3 days	23	mg/L	IS 3025- Part 44	
7	Manganese as Mn	0.44	mg/L	APHA 23rd Edn 3120 B	-

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2411D/06GG/09

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2411D/06GG/09	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Waste Water	Analysis Start Date:	24/10/2024
Sample Description:	ETP Outlet (WW)	Analysis End Date:	29/10/2024
Sample Quantity:	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	7.42	-	IS 3025- Part 11	-
2	Total Suspended Solids	10.00	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	3.30	mg/L	IS 3025- Part 38	-
6	BOD at 27 o C for 3 days	18.00	mg/L	IS 3025- Part 44	-
7	Manganese as Mn	0.14	mg/L	APHA 23rd Edn 3120 B	-

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

Analyzed By
Manoj Kumar

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2431D/06GG/01

Reporting Date : 29/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2431D/06GG/01	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	GW Ferro Manganese plant Open dug well	Analysis End Date:	29/10/2024
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
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

--- End of Report ---

Authorized Signatory
Dr. Haragobinda Srichandan

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Head Office & Lab
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Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2431D/06GG/02

Reporting Date : 29/10/2024

M/s Moil Limited
Balaghat Ferro Manganese Plant, At & P.O Bharweli, Tah. Balaghat Dist.
Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2431D/06GG/02	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	GW Guest House Water Supply	Analysis End Date:	29/10/2024
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
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Dr. Haragobinda Srichandan

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2412D/06G/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/01	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Crusher 1 & 2 Near Cycle Stand	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
1	Particulate Matter (PM10)	71.27	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)	15.47	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.72	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	12.84	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.39	µg/m3	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)	1.05	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

Norms as per NAAQ Standard.

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2412D/06G/01

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/01	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Crusher 1 & 2 Near Cycle Stand	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
12	Temperature	28	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	61	%	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	0.83	m/s	GGMPL/SOP/MP/01:2020	NS

Norms as per NAAQ Standard.

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

Analyzed By
Kinjal Damor

Authorized Signatory
Manish Kumawat

--- End of Report ---

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2412D/06G/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/02	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Beside De-Winding Area	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
1	Particulate Matter (PM10)	74.69	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	33.74	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.46	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.72	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.92	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.96	µg/m3	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)	1.06	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

Norms as per NAAQ Standard.

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2412D/06G/02

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/02	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Beside De-Winding Area	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
12	Temperature	29	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	63	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.00	mm	GGMPL/SOP/MP/01:2020	NS
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	1.11	m/s	GGMPL/SOP/MP/01:2020	NS

Norms as per NAAQ Standard.

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2412D/06G/03

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/03	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Product Banker	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
1	Particulate Matter (PM10)	76.76	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.11	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.77	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	10.70	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.39	µg/m3	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)	1.07	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

Norms as per NAAQ Standard.

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Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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CERTIFICATE OF ANALYSIS

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Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/03	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Product Banker	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
12	Temperature	29	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	64	%	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	0.83	m/s	GGMPL/SOP/MP/01:2020	NS

Norms as per NAAQ Standard.

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Head Office & Lab
Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426 Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2412D/06G/04

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/04	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Mechanical Room	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
1	Particulate Matter (PM10)	70.09	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.07	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.79	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.49	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.15	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	16.68	µg/m3	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

Norms as per NAAQ Standard.

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/04	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Mechanical Room	Analysis start- End Date:	25/10/2024-29/10/2024
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	Norms
12	Temperature	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	62	%	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	1.39	m/s	GGMPL/SOP/MP/01:2020	NS

Norms as per NAAQ Standard.

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2412D/06G/05

Reporting Date: 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative
Sampling Date: 22/10/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2412D/06G/05A	Near Crusher 1&2 Near Cycle Stand	Day Time	dB(A)Leq	IS 4758	68.7	-
2	Lab/PN/2412D/06G/05B	Beside De-Winding area	Day Time	dB(A)Leq	IS 4758	65.4	-
3	Lab/PN/2412D/06G/05C	Near Product Bunker	Day Time	db(A)Leq	IS 4758	64.3	-
4	Lab/PN/2412D/06G/05D	Near Mechanical Room	Day Time	db(A)Leq	IS 4758	62.6	-

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2412D/06G/06

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/06	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	25/10/2024
Sample Description:	G.W 132 KV Pump House	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	156.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	36.87	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	44.48	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.52	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	13.12	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.68	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	27.97	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	316.00	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 CaCO3	146.00	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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Analyzed By
Kinjal Damor

Authorized Signatory
Manish Kumawat

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M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102
(M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/06	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	25/10/2024
Sample Description:	G.W 132 KV Pump House	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.18	mg/L	APHA 23rd Edn 4500 NO3 B	45	No relaxation

AL & PL As Per IS 10500.

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Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/07	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	25/10/2024
Sample Description:	G.W Wainganga river Water Supply	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	105.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	34.07	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	28.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.30	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	8.50	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.30	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	19.64	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	211.00	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 CaCO3	120.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500.

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TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/07	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	25/10/2024
Sample Description:	G.W Wainganga river Water Supply	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	0.96	mg/L	APHA 23rd Edn 4500 NO3 B	45	No relaxation

AL & PL As Per IS 10500.

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2412D/06G/08

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/08	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	25/10/2024
Sample Description:	G.W Borewell Water	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	189.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	50.50	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	34.48	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.58	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	25.76	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.59	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	27.78	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	333.00	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 CaCO3	232.00	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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Kinjal Damor

Authorized Signatory
Manish Kumawat

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GO GREEN MECHANISMS PVT. LTD.

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Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426
Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2412D/06G/08

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102
(M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/08	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	25/10/2024
Sample Description:	G.W Borewell Water	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.36	mg/L	APHA 23rd Edn 4500 NO3 B	45	No relaxation

AL & PL As Per IS 10500.

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Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2412D/06G/09

Reporting Date : 30/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2412D/06G/09	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Waste Water	Analysis Start Date:	25/10/2024
Sample Description:	W.W Sine Pond Overflow Water	Analysis End Date:	29/10/2024
Sample Quantity:	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	7.42	-	IS 3025- Part 11	-
2	Total Suspended Solids	36.00	mg/L	APHA 23rd Edn 2540 D	-
3	Oil and Grease	2.40	mg/L	IS 3025- Part 39	-
4	Chemical Oxygen Demand	64.00	mg/L	APHA 23rd Edn 5220 B	-
5	Dissolved Oxygen	3.50	mg/L	IS 3025- Part 38	-
6	BOD at 27 o C for 3 days	19	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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2432D/06G/01

Reporting Date : 29/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2432D/06G/01	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	132 KV Pump house GW	Analysis End Date:	29/10/2024
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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2432D/06G/02

Reporting Date : 29/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102
(M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2432D/06G/02	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	Wain Ganga River water Supply GW	Analysis End Date:	29/10/2024
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
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2432D/06G/03

Reporting Date : 29/10/2024

M/s Moil Limited
Balaghat C & S Plant, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2432D/06G/03	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	Borewell water G.W.	Analysis End Date:	29/10/2024
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
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2413D/06H/01

Reporting Date: 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/01	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Private Office Site	Analysis start- End Date:	24/10/2024-30/10/2024
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)	64.71	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)	14.83	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.57	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.06	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	12.17	µg/m3	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)	1.05	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

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Analyzed By
Sachi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2413D/06H/01

Reporting Date: 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/01	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Private Office Site	Analysis start- End Date:	24/10/2024-30/10/2024
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	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	59	%	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	1.11	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Sachi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2413D/06H/02

Reporting Date: 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/02	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Weigh Bridge	Analysis start- End Date:	24/10/2024-30/10/2024
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)	67.50	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.66	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.21	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.10	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.90	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	10.95	µg/m3	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)	1.07	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
Sachi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2413D/06H/02

Reporting Date: 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/02	Sampling Start Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	24/10/2024
Sample Description:	Near Weigh Bridge	Analysis start- End Date:	24/10/2024-30/10/2024
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	32	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	58	%	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	0.83	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Sachi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2413D/06H/03

Reporting Date: 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat
481102 (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative
Sampling Date: 22/10/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2413D/06H/03A	Near Private Office Site	Day Time	dB(A)Leq	IS 4758	57.8	-
2	Lab/PN/2413D/06H/03B	Nr Weight Bridge	Day Time	dB(A)Leq	IS 4758	62.7	-

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2413D/06H/04

Reporting Date : 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/04	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	Near Office Side Borewell (GW)	Analysis End Date:	30/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	132.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	42.08	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	47.49	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.62	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	19.20	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.36	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	27.18	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	294.00	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 CaCO3	184.00	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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Sachi Patel

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2413D/06H/04

Reporting Date : 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/04	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	Near Office Side Borewell (GW)	Analysis End Date:	30/10/2024
Sample Quantity:	3 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	2.33	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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Sachi Patel

Authorized Signatory
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2413D/06H/05

Reporting Date : 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/05	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	24/10/2024
Sample Description:	Railway Siding Water Supply (GW)	Analysis End Date:	30/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	116.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	44.89	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	41.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.48	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	17.01	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.79	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	23.21	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	229.00	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 CaCO3	182.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500

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Analyzed By
Sachi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2413D/06H/05

Reporting Date : 31/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2413D/06H/05	Sampling Date:	22/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Water	Analysis Start Date:	24/10/2024
Sample Description:	Railway Siding Water Supply (GW)	Analysis End Date:	30/10/2024
Sample Quantity:	3 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	3.25	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

Analyzed By
Sachi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Manish Kumawat

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2433D/06H/01

Reporting Date : 29/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2433D/06H/01	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	Near Office Side Borewell (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	500 ml	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sl.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
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2433D/06H/02

Reporting Date : 29/10/2024

M/s Moil Limited
Balaghat Railway Siding, At & P.O Bharweli, Tah. Balaghat Dist. Balaghat 481102 (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2433D/06H/02	Sampling Date:	23/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/10/2024
Sample Type:	Ground Water	Analysis Start Date:	24/10/2024
Sample Description:	Railway Siding Water Supply (GW)	Analysis End Date:	29/10/2024
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
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

--- End of Report ---

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2345D/06J/01

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/01	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease upstream	Analysis start- End Date:	21/10/2024-26/10/2024
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)	67.32	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.09	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.36	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.20	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	13.38	µg/m3	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
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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Report Number : GGMPL/PN/2345D/06J/01

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/01	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease upstream	Analysis start- End Date:	21/10/2024-26/10/2024
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	32	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	59	%	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	4	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Aarmi Patel

Authorized Signatory
Payal Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2345D/06J/02

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/02	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease Down stream	Analysis start- End Date:	21/10/2024-26/10/2024
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)	70.79	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)	10.24	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.40	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	17.12	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	13.38	µg/m3	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
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2345D/06J/02

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/02	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease Down stream	Analysis start- End Date:	21/10/2024-26/10/2024
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	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	58	%	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

End of Report

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2345D/06J/03

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/03	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Nr Pump House Balaghat Water Supply	Analysis start- End Date:	21/10/2024-26/10/2024
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)	68.87	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)	16.74	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.24	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.62	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.81	µg/m3	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

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Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/03	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Nr Pump House Balaghat Water Supply	Analysis start- End Date:	21/10/2024-26/10/2024
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	33	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	60	%	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	5	m/s	GGMPL/SOP/MP/01:2020	NS

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Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2345D/06J/04

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/04	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Nr Kanki Village	Analysis start- End Date:	21/10/2024-26/10/2024
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)	73.53	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	41.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	18.57	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.89	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	18.04	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	13.38	µg/m3	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

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Analyzed By
Aarmi Patel

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2345D/06J/04

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/04	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Nr Kanki Village	Analysis start- End Date:	21/10/2024-26/10/2024
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	32	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	59	%	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	6	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

--- End of Report ---

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/05

Reporting Date: 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 19/10/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2345D/06J/05 A	Kanki Sand Lease Upstream	Day Time	dB(A)Leq	IS 4758	58.9	-
2	Lab/PN/2345D/06J/05 B	Kanki Sand Lease downstream	Day Time	dB(A)Leq	IS 4758	59.7	-
3	Lab/PN/2345D/06J/05 C	Nr Shiv Mandir	Day Time	dB(A)Leq	IS 4758	62.4	-
4	Lab/PN/2345D/06J/05 D	Nr Kanki Village	Day Time	dB(A)Leq	IS 4758	64.7	-

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

Analyzed By
Aarmi Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/06

Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/06	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Kanki sand lease Upstream	Analysis End Date:	26/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	140.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	38.48	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	65.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.18	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	28.43	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.52	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	18.65	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	300.00	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 CaCO3	213.00	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

Analyzed By
Aarmi Patel

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CERTIFICATE OF ANALYSIS

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Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/06	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Kanki sand lease Upstream	Analysis End Date:	26/10/2024
Sample Quantity:	3 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	1.82	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/07

Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/07	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Kanki sand lease downstream	Analysis End Date:	26/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	216.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	46.89	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	42.99	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	30.86	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.43	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	10.52	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	332.00	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 CaCO3	244.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL AS Per IS 10500

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Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/07

Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/07	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Kanki sand lease downstream	Analysis End Date:	26/10/2024
Sample Quantity:	3 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	1.68	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/08

Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/08	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Kanki Village Borewell	Analysis End Date:	26/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	186.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	40.88	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	43.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.32	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	24.06	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.34	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	16.67	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	318.00	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 CaCO3	201.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500.

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Analyzed By
Aarmi Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/08

Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/08	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Kanki Village Borewell	Analysis End Date:	26/10/2024
Sample Quantity:	3 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	0.40	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

--- End of Report ---

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/09

Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/09	Sampling Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Moil Water Supply Pump House	Analysis End Date:	26/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	218.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	48.10	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	53.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.52	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	26.49	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.63	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	17.26	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	358.00	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 CaCO3	229.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL AS Per IS 10500.

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Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2345D/06J/09

Reporting Date : 28/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2345D/06J/09	Sampling Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	G.W Moil Water Supply Pump House	Analysis End Date:	26/10/2024
Sample Quantity:	3 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	1.94	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

Analyzed By
Aarmi Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2348D/06J/01

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2348D/06J/01	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki Sand Lease up stream (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2348D/06J/02

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2348D/06J/02	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki Sand Lease down stream (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2348D/06J/03

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2348D/06J/03	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki Village Borewell (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2348D/06J/04

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 10.156 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2348D/06J/04	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Moil water Supply Pump House (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2344D/06K/01

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/01	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki sand river bank	Analysis start- End Date:	22/10/2024-29/10/2024
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)	72.34	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.08	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.03	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.86	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.15	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	14.59	µg/m3	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
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2344D/06K/01

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/01	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki sand river bank	Analysis start- End Date:	22/10/2024-29/10/2024
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	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	57	%	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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2344D/06K/02

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/02	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki sand 500 m from river bank	Analysis start- End Date:	22/10/2024-29/10/2024
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)	67.12	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.99	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.72	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.56	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.82	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	10.95	µg/m3	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
Kinjal Damor

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Payal Patel

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Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/02	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki sand 500 m from river bank	Analysis start- End Date:	22/10/2024-29/10/2024
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	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	58	%	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	4	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2344D/06K/03

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/03	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Garra village borewell	Analysis start- End Date:	22/10/2024-29/10/2024
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)	69.11	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	33.33	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.78	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	29.69	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.76	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	18.25	µg/m3	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

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Analyzed By
Kinjal Damor

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Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/03	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Garra village borewell	Analysis start- End Date:	22/10/2024-29/10/2024
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	32	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	58	%	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	5	m/s	GGMPL/SOP/MP/01:2020	NS

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Analyzed By
Kinjal Damor

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2344D/06K/04

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/04	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Majapur village borewell	Analysis start- End Date:	22/10/2024-29/10/2024
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)	76.48	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.44	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.99	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	12.84	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.81	µg/m3	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)	1.14	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

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Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/04	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Majapur village borewell	Analysis start- End Date:	22/10/2024-29/10/2024
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	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	56	%	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	5	m/s	GGMPL/SOP/MP/01:2020	NS

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Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/05

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative
Sampling Date: 19/10/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2344D/06K/05A	Kanki Sand River bank	Day Time	dB(A)Leq	IS 4758	62.4	-
2	Lab/PN/2344D/06K/05B	Kanki Sand Soon From River Bank	Day Time	dB(A)Leq	IS 4758	59.4	-
3	Lab/PN/2344D/06K/05C	Gorra Village	Day Time	dB(A)Leq	IS 4758	66.5	-
4	Lab/PN/2344D/06K/05D	Majapu Village	Day Time	db(A)Leq	IS 4758	64.8	-

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Analyzed By
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Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jotalpur, District-Ahmedabad-382426 Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/06

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/06	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Kanki Sand River Bank (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	120.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	36.07	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	44.48	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.37	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	14.58	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.32		IS 3025 Part 11	6.5-8.5	No relaxation
9	Sulphate	21.13	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	216.00	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 CaCO3	150.00	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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/06

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/06	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Kanki Sand River Bank (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
13	Turbidity	0.86	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	0.78	mg/L	APHA 23rd Edn 4500 NO3 B	45	No relaxation

AL & PL As Per IS 10500

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Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

--- End of Report ---

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/07

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/07	Sampling Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Kanki sand 500 m from river bank(GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	121.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	34.07	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	32.49	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.49	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	12.39	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.69	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	19.74	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	220.00	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 CaCO3	136.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500

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Analyzed By
Kinjal Damor

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/07

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/07	Sampling Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Kanki sand 500 m from river bank(GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
13	Turbidity	0.40	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	1.02	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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/08

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/08	Sampling Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Garra village borewell (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	139.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	38.48	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	48.92	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.62	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	14.58	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.30	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	26.68	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	308.00	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 CaCO3	156.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/08

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/08	Sampling Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Garra village borewell (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 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	1.03	mg/L	APHA 23rd Edn 4500 NO3 B	45	No relaxation

AL & PL As Per IS 10500

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Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2344D/06K/09

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/09	Sampling Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Majapur village borewell (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	140.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	46.49	mg/L	APHA 23rd Edn 3500 Ca D	75	200
3	Chloride	57.98	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.61	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	18.47	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.48	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	36.60	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	294.00	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 CaCO3	192.00	mg/L	APHA 23rd Edn 2340 C	200	600

AL & PL As Per IS 10500

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Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2344D/06K/09	Sampling Date:	21/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	22/10/2024
Sample Description:	Majapur village borewell (GW)	Analysis End Date:	29/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr No	Parameters	Results	Unit	Test Method	AL	PL
13	Turbidity	0.43	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	BQL (QL=0.1)	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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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Authorized Signatory
Payal Patel

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2347D/06K/01

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2347D/06K/01	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki Sand River Bank (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

Analyzed By
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2347D/06K/02

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2347D/06K/02	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki sand 500 m from river bank(GW)	Analysis End Date:	26/10/2024
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 IS10500

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

Analyzed By
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2347D/06K/03

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2347D/06K/03	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Garra village borewell (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2347D/06K/04

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 5.503 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2347D/06K/04	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Majapur village borewell (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

Analyzed By
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2343D/06I/01

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/01	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease pump house upstream	Analysis start- End Date:	22/10/2024-28/10/2024
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)	70.09	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.49	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.06	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.23	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	BQL (QL=10)	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	9.73	µg/m3	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
Kinjal Damor

Authorized Signatory
Payal Patel

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Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/01	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease pump house upstream	Analysis start- End Date:	22/10/2024-28/10/2024
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	31	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	58	%	GGMPL/SOP/MP/01	NS
14	Rainfall	0.0	mm	GGMPL/SOP/MP/01:2020	
15	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1
16	Wind Speed	4	m/s	GGMPL/SOP/MP/01:2020	

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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2343D/06I/02

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/02	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease pump house Down stream	Analysis start- End Date:	22/10/2024-28/10/2024
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)	63.97	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.49	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.22	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.49	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	11.62	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.81	µg/m3	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
Kinjal Damor

Authorized Signatory
Payal Patel

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2343D/06I/02

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/02	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Kanki Sand lease pump house Down stream	Analysis start- End Date:	22/10/2024-28/10/2024
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	32	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	59	%	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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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GO GREEN MECHANISMS PVT. LTD.

Head Office & Lab
Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426 Gujarat. INDIA

Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2343D/06I/03

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/03	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	500M Away from shiv Mandir	Analysis start- End Date:	22/10/2024-28/10/2024
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)	63.02	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.03	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.19	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	BQL (QL=10)	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	14.59	µg/m3	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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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Report Number : GGMPL/PN/2343D/06I/03

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/03	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	500M Away from shiv Mandir	Analysis start- End Date:	22/10/2024-28/10/2024
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	30	°C	GGMPL/SOP/MP/01	NS
13	Relative Humidity	59	%	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	2	m/s	GGMPL/SOP/MP/01:2020	NS

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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2343D/06I/04

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

Reporting Date: 29/10/2024

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/04	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Balaghat MC Pump House	Analysis start- End Date:	22/10/2024-28/10/2024
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	Norms
1	Particulate Matter (PM10)	60.23	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	29.58	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.46	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.14	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	BQL (QL=10)	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	15.81	µg/m3	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)	1.14	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
12	Temperature	31	°C	GGMPL/SOP/MP/01	NS

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

Analyzed By
Kinjal Damor

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/2343D/06I/04

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/04	Sampling Start Date:	19/10/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/10/2024
Sample Type:	Ambient Air	Sample Receipt Date:	21/10/2024
Sample Description:	Balaghat MC Pump House	Analysis start- End Date:	22/10/2024-28/10/2024
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	Norms
13	Relative Humidity	58	%	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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/05

Reporting Date: 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative
Sampling Date: 19/10/2024
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/2343D/06I/05A	Kanki Sand Lease Pump House	Day Time	dB(A)Leq	IS 4758	59.8	-
2	Lab/PN/2343D/06I/05B	Kanki Sand Lease Pump House Down-Stream	Day Time	dB(A)Leq	IS 4758	59.7	-
3	Lab/PN/2343D/06I/05C	500 m Away From Shiv Mandir	Day Time	db(A)Leq	IS 4758	61.2	-
4	Lab/PN/2343D/06I/05D	Balaghat MC Pump House	Day Time	db(A)Leq	IS 4758	60.4	-

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

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Kinjal Damor

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/06

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/06	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki sand lease pump house Upstream (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: AL	PL
1	Alkalinity as CaCO3	146.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	31.26	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	25.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.2962	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	17.9820	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.58	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	23.81	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	230.00	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

AL & PL As Per IS 10500

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Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/06	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki sand lease pump house Upstream (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 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 CaCO3	152.00	mg/L	APHA 23rd Edn 2340 C	200	600
13	Turbidity	0.25	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	1.00	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

Analyzed By
Kinjal Damor

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Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/07

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/07	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki sand lease pump house down stream (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO3	196.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	53.31	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	41.48	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.85	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	15.79	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.65	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	29.86	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	392.00	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

AL & PL As Per IS 10500

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

Analyzed By
Kinjal Damor

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Payal Patel

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/07

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/07	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki sand lease pump house down stream (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 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 CaCO3	198.00	mg/L	APHA 23rd Edn 2340 C	200	600
13	Turbidity	0.11	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	1.12	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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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Mobile No : +91-7069072001 Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/08

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/08	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Balaghat MC pump house (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: AL	PL
1	Alkalinity as CaCO3	210.00	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	43.99	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.50	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	29.16	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.68	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	37.29	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	403.00	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

AL & PL As Per IS 10500

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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/08

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/08	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Balaghat MC pump house (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 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 CaCO3	245.00	mg/L	APHA 23rd Edn 2340 C	200	600
13	Turbidity	0.32	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	1.98	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

Analyzed By
Kinjal Damor

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Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/09

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/09	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Borewell water Agriculture land (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: AL	PL
1	Alkalinity as CaCO3	186.00	mg/L	APHA 23rd Edn 2320 B	200	600
2	Calcium as Ca	44.09	mg/L	APHA 23rd Edn 3500 Ca B	75	200
3	Chloride	37.49	mg/L	IS 3025- Part 32	250	1000
4	Colour	BQL (QL=1)	CU	IS 3025- Part 4	5	15
5	Fluoride	0.37	mg/L	APHA 23rd Edn 4500 F D	1.0	1.5
6	Magnesium as Mg	25.76	mg/L	APHA 23rd Edn 3500 Mg B	30	100
7	Odour	Agreeable	-	IS 3025- Part 5	Agreeable	Agreeable
8	pH at 25 °C	7.72	-	IS 3025- Part 11	6.5-8.5	No relaxation
9	Sulphate	39.28	mg/L	APHA 23rd Edn 4500 SO4 E	200	400
10	Total Dissolved Solids (TDS)	360.00	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

AL & PL As Per IS 10500

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Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2343D/06I/09

Reporting Date : 29/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2343D/06I/09	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Water	Analysis Start Date:	21/10/2024
Sample Description:	Borewell water Agriculture land (GW)	Analysis End Date:	28/10/2024
Sample Quantity:	3 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 CaCO3	216.00	mg/L	APHA 23rd Edn 2340 C	200	600
13	Turbidity	0.38	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	1.60	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

Analyzed By
Kinjal Damor

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2346D/06I/01

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2346D/06I/01	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki Sand Lease Pump house up stream (GW)	Analysis End Date:	26/10/2024
Sample Quantity:	500 ML	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing.	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: 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 IS10500

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

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Analyzed By
Komal Yadav

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2346D/06I/02

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2346D/06I/02	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Kanki Sand Lease Pump house down stream (GW)	Analysis End Date:	26/10/2024
Sample Quantity:	500 ML	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Specification: 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 IS10500

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

Analyzed By
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2346D/06I/03

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2346D/06I/03	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Balaghat MC Pump house down stream (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

Analyzed By
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

Authorized Signatory
Dr. Haragobinda Srichandan

--- End of Report ---

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/2346D/06I/04

Reporting Date : 26/10/2024

M/s Moil Limited
Kanki (Balaghat) Sand Lease 4.413 Ha Site, Dist. Balaghat (M.P)

TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/2346D/06I/04	Sampling Date:	20/10/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/10/2024
Sample Type:	Ground Water	Analysis Start Date:	21/10/2024
Sample Description:	Borewell water Agriculture land (GW)	Analysis End Date:	26/10/2024
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 IS10500

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

Analyzed By
Komal Yadav

GO GREEN MECHANISMS PVT. LTD. AHMEDABAD

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