Environment Management and Engineering Division

(Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

• ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-23/December/12264/9	
M/s MOIL LIMITED,		, December/12264/5	
25 MOIL LIMITED,	Date of Monitoring	05/12/2022	
Chikla Manganese Mines L1=150.650 Ha Site, Dist:-Bhandara (M.S)	Type of Monitoring	Ambient Noise	
	Monitoring Done By	MITCON	

READINGS

r. No.	Test Location	11.020	
01	Near Work Shop	Unit	Readings
02	Near vertical Fan	dB(A)	60.2
03	Near Crushing Plant	dB(A)	72.0
04	Near DG Set	dB(A)	69.0
		dB(A)	66.1

REMARKS / OBSERVATIONS:

Limits: The Maharashtra Pollution Control Board has prescribe 75 dB (A) as an upper limit of Noise Level during

For MITCON Consultancy & Engineering Services Ltd.

kuneoloulo **Checked By**

Mrs. Kadambari Deshmukh)



Dr. Sandeep Jadhav (Senior Vice President)

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- . ISO 45001:2018 (OHSAS)Certified Laboratory.
- · MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address	The Property of the Party of th	Sample Details		
M/s MOIL LIMITED,	Sample Code	MITCON/2022-23/December/12264/1		
	Name of Sample	Waste water		
Chikla Manganese Mines L1=150.650 Ha Site,	Sample Details	STP Outlet		
Dist:-Bhandara (M.S)	Container Details	1 lit plastic can		
	Sample Collected By	MITCON		
	Method of sampling	IS 3025(Part I)		
	Sample Collected On	05/12/2022		
	Date of Sample Receipt	07/12/2022		
	Analysis Start Date	07/12/2022		
	End Date of Analysis	13/12/2022		

ANALYSIS RESULTS

Sr. No.	Characteristic	Results	Unit	Permissible Limit as per Consent Condition	Test Methods
01	pH at 25°C	7.24		5.5 to 9.0	APHA 4500 H+ A, 4-95, 23rd Ed. 2017
02	Dissolved Oxygen	4.1	mg/l		IS: 3025 Part 38
03	Chemical Oxygen Demand	62.8	mg/l	250	APHA 5220 C,5-20 to 5-21 23rd Ed 2017
04	Biochemical Oxygen	19.5	mg/l	30	IS :3025 (Part 44)
05	Total suspended solids	32.2	mg/l	100	APHA 2540 D,2-70 to 2-71 23rd Ed 2017
06	Oil and grease	< 5	mg/l	10	APHA 5520 B,5-42 to 5-43 23rd Ed 2017
07	Manganese	0.24	mg/l	2	APHA 3111 B,3-18 to 3-21 23rd Ed 2017

REMARKS / OBSERVATIONS:

The above water sample is complying with required limits as per IS 10500:2012.

For MITCON Consultancy & Engineering Services (Ed. & ENGINEER Checked By

(Mrs. Kadambari Deshmukh)

CLAMA SERVICES

Authorized Signatory (Dr.Sandeep Jadhav) Senior Vice President

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- ISO 45001:2018 (OHSAS) Certified Laboratory.
- MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address		Sample Details
M/s MOIL LIMITED,	Sample Code	MITCON/2022-23/December/12264/2
	Name of Sample	Ground Water
Chikla Manganese Mines L1=150.650 Ha Site,	Sample Details	Officer colony water supply
Dist:-Bhandara (M.S)	Container Details	1 lit plastic can
	Sample Collected By	MITCON
	Method of sampling	IS 3025(Part I)
	Sample Collected On	05/12/2022
	Date of Sample Receipt	07/12/2022
	Analysis Start Date	07/12/2022
	End Date of Analysis	13/12/2022

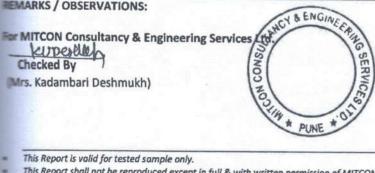
ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Limits as per IS 10500:2012	Test Methods
01	pH at 25C	7.24	Compared Services	6.5 to 8.5	APHA 4500 H+, A, 4-95, 23rd Ed 2017
02	Total suspended solids	6.0	mg/l	N.S	APHA 2540 D,2-70 to 2-71 23rd ed 2017
03	Turbidity	<1	NTU	≤1	IS: 3025 Part-10 (R.A: 2002)
04	Total Dissolved Solids	330.3	mg/I	≤500	APHA 2540 C, 2-69 to 2-70, 23rd Ed 2017
05	Total Hardness as CaCO3	165.15	mg/l	≤200	APHA 2340 C ,2-48 to 2-50,23rd Ed 2017
06	Calcium as Ca	41.28	mg/l	≤75	APHA 3500 Ca B , 3-69 to 3-70 , 23rd Ed. 2017
07	Magnesium as Mg	20.64	mg/l	≤30	APHA 3500 Mg B, 3-86 , 23rd Ed. 2017
08	Mangnese as mn	< 0.1	mg/I	< 0.1	APHA 3111 B, 3-18 to 3-21 23rd Ed. 2017
09	Total Alkalinity as Caco3	145.1	Mg/I	<200	APHA 2320 B ,2-37 to 2-39 23rd Ed 2017
10	Fluoride as F	< 0.1	Mg/I	<1	APHA 4500 F- D 4-90 to 4-9123rd Ed 2017
11	Chloride as Cl	32.01	mg/l	≤ 250	APHA 4500 Cl, B, 4-75 to 4-76, 23rd Ed 2017
12	Sulphate as SO4	15.12	mg/l	≤ 200	APHA 4500 –SO4E, 4-199 TO 4-200, 23rd Ed 2017
13	Iron as Fe	< 0.05	mg/l	≤0.3	APHA 3111 B, 3-18 TO 3-21, 23rd Ed 2017 (using AAS)
14	Nitrate as NO3	4.30	mg/l	≤45	APHA 4500 NO3-B,4-127 23rd Ed 2017
15	E.coli	Absent	MPN/100ml	Absent	IS: 1622 (R.A : 2014)
16	Total Coliform	Absent	MPN/100ml	Absent	IS: 1622 (R.A : 2014)
17	colour	<5	HZ	≤5	IS: 3025 Part-4 (Rev.1, RA 2012)
18	odour	Agreeable	Agreeable	Agreeable	IS: 3025 Part-5 (Rev.1, RA 2012)

REMARKS / OBSERVATIONS:

Checked By

Mrs. Kadambari Deshmukh)



(Dr.Sandeep Jadhav) Senior Vice President

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division

(Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- ISO 45001:2018 (OHSAS) Certified Laboratory.
- MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address		Sample Details
M/s MOIL LIMITED,	Sample Code	MITCON/2022-23/December/12264/3
WING INICID DAVIE 2207	Name of Sample	Waste water
Chikla Manganese Mines L1=150.650 Ha Site,	Sample Details	ETP Outlet
Dist:-Bhandara (M.S)	Container Details	1 lit plastic can
	Sample Collected By	MITCON
	Method of sampling	IS 3025(Part I)
	Sample Collected On	05/12/2022
	Date of Sample Receipt	07/12/2022
	Analysis Start Date	07/12/2022
	End Date of Analysis	13/12/2022

ANALYSIS RESULTS

Sr. No.	Characteristic	Results	Unit	Permissible Limit as per Consent	Test Methods
01	pH at 25°C	7.19		Condition 5.5 to 9.0	APHA 4500 H+ A, 4-95, 23rd Ed. 2017
02	Dissolved Oxygen	3.8	mg/l	1	IS: 3025 Part 38
03	Chemical Oxygen Demand	86.7	mg/l	250	APHA 5220°C,5-20 to 5-21 23rd Ed 2017
04	Biochemical Oxygen	22.6	.6 mg/l 30 IS:	IS :3025 (Part 44)	
05	Total suspended solids	38.5	mg/l	100	APHA 2540 D,2-70 to 2-71 23rd Ed 2017
06	Oil and grease	<5	mg/l	10	APHA 5520 B,5-42 to 5-43 23rd Ed 2017
07	Manganese	0.30	mg/l	2	APHA 3111 B,3-18 to 3-21 23rd Ed 2017

REMARKS / OBSERVATIONS:

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs. Kadambari Deshmukh)



Authorized Signatory (Dr. Sandeep Jadhav) Senior Vice President

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division

(Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- ISO 45001:2018 (OHSAS) Certified Laboratory.
- MoEF & CC recognized laboratory

Format No. EME/LAB/Format 7.8/TR



Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address		Sample Details	
M/s MOIL LIMITED,	Sample Code	MITCON/2022-23/December/12264/4	
	Name of Sample	Waste water (Mine Discharge water)	
Chikla Manganese Mines L1=150.650 Ha Site,	Sample Details	Mine Discharge water	
Dist:-Bhandara (M.S)	Container Details	1 lit plastic can	
	Sample Collected By	MITCON	
	Method of sampling	IS 3025(Part I)	
	Sample Collected On	05/12/2022	
	Date of Sample Receipt	07/12/2022	
	Analysis Start Date	07/12/2022	
	End Date of Analysis	13/12/2022	

ANALYSIS RESULTS

Sr. No.	Characteristic	Results	Unit	Permissible Limit as per Consent Condition	Test Methods
01	pH at 25℃	7.12	12.55	5.5 to 9.0	APHA 4500 H+ A, 4-95, 23rd Ed. 2017
02	Dissolved Oxygen	3.4	mg/l		IS: 3025 Part 38
03	Chemical Oxygen Demand	71.4	mg/l	250	APHA 5220 C,5-20 to 5-21 23rd Ed 2017
04	Biochemical Oxygen	21.6	mg/l	30	IS :3025 (Part 44)
05	Total suspended solids	36.2	mg/l	100	APHA 2540 D,2-70 to 2-71 23rd Ed 2017
06	Oil and grease	<5	mg/l	10	APHA 5520 B,5-42 to 5-43 23rd Ed 2017
07	Manganese	0.38	mg/I	2	APHA 3111 B,3-18 to 3-21 23 rd Ed 2017

REMARKS / OBSERVATIONS:

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs. Kadambari Deshmukh)



Authorized Signatory (Dr.Sandeep Jadhav) Senior Vice President

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- ISO 45001:2018 (OHSAS)Certified Laboratory.
- MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022- 23/December/12264/5
M/s MOIL LIMITED,	Date of Monitoring	05/12/2022
	Type of Monitoring	Ambient Air
Chikla Manganese Mines L1=150.650 Ha Site, Dist:-	Test Location	Near Mine Office
Bhandara (M.S)	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Duration In Min	Rainfall (mm)	Wind Velocity	Wind Direction
30	30	14	41	1440	0.0	7.5 km/ hrs.(Avg)	NE

Sr. No.	Description	Unit	Results	CPCB standard	Test Method
01	Sulphur Dioxide (SO₂)	μg/M³	11.5	≤80	IS 5182(Part 2)
02	Oxides of Nitrogen (NO ₂)	μg/M ³	16.1	≤ 80	IS 5182(Part 6)
03	Particulate Matter PM10 micron	μg/M³	58.9	≤ 100	IS 5182 (Part 23)
04	Particulate Matter PM _{2.5 micron}	μg/M³	27.2	≤ 60	USEPA 40 CFRCH
05	Ozone (O₃)	μg/M³	3.6	≤ 100	IS 5182
06	Lead (Pb)	μg/M³	BDL	≤ 1.0	APHA - AAS
07	Carbon Monoxide (CO)	mg/M ³	0.270	≤ 2.0	IS 5182
08	Ammonia (NH ₃)	μg/M³	3.8	≤ 400	APHA - 401
09	Benzene (C ₆ H ₆)	μg/M³	BDL	≤5	IS 5182
10	Benzo(a)Pyrene (BaP)	ng/M³	BDL	≤1	IS 5182
11	Arsenic (As)	ng/M³	BDL	≤6	APHA - AAS
12	Nickel (Ni)	ng/ M ³	BDL	≤ 20	APHA - AAS

TEMARKS/OBSERVATIONS:

All above results are within National Ambient Air Quality standards

BDL: - Below Detection Limit.

MITCON Consultancy & Engineering Services Ltd.

KUDENULL Checked By

Mrs.Kadambari Deshmukh)



Dr. Sandeep Jadhav Senior vice president

This Report is valid for tested sample only.

Report shall not be reproduced except in full & with written permission of MITCON.

Report should not be used for advertisement / judicial purpose.

Costomer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-
M/s MOIL LIMITED,		23/December/12264/6
SIMILED,	Date of Monitoring	05/12/2022
Chikla Manganese Mines L1=150.650 Ha Site, Dist:-	Type of Monitoring	Ambient Air
Bhandara (M.S)	Test Location	Near Sita Sawangi Village
	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

Ambient Dry Bulb Temp. °C °C 30 30	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Duration In Min	Rainfall (mm)	Wind Velocity	100000000000000000000000000000000000000	
	30	20	70 KH				Direction
		14	41	1440	0.0	7.5 km/ hrs.(Avg)	NE

RESULT

Sr. No.	Description	Unit	Results	CPCB standard	
01	Sulphur Dioxide (SO ₂)	4-55			Test Method
02	Oxides of Nitrogen (NO ₂)	μg/M³	11.4	≤80	10.000
03	Posticulat 11	μg/M³	15.0		IS 5182(Part 2)
00	Particulate Matter PM _{10 micron}	µg/М³	55.2	≤80	IS 5182(Part 6)
04	Particulate Matter PM _{2.5 micron}	µg/М³		≤ 100	IS 5182 (Part 23)
05	Ozone (O ₃)		26.5	≤ 60	USEPA 40 CFRCH
06	Lead (Pb)	μg/M³	3.0	≤ 100	
07	The state of the s	μg/M³	BDL		IS 5182
	Carbon Monoxide (CO)	mg/M ³	0.208	≤ 1.0	APHA - AAS
08	Ammonia (NH ₃)	µg/М³		≤ 2.0	IS 5182
09	Benzene (C ₆ H ₆)		3.1	≤ 400	APHA - 401
LO	Benzo(a)Pyrene (BaP)	μg/M ³	BDL	≤5	
1	Arsenic (As)	ng/M³	BDL	≤1	IS 5182
2	Nickel (Ni)	ng/M³	BDL		IS 5182
	THICKET (TVI)	ng/M ³	BDL	≤6	APHA - AAS
	S/OBSERVATIONS			≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

➤ All above results are within National Ambient Air Quality standards.

► BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Services

kuderwer Checked By

(Mrs.Kadambari Deshmukh)

PUNE * 0)

Authorized Signatory Dr. Sandeep Jadhay Senior vice president

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-
M/s MOIL LIMITED,	Date of Monitoring	23/December/12264/7 05/12/2022
Chikla Mancanasa N.	Type of Monitoring	Ambient Air
Chikla Manganese Mines L1=150.650 Ha Site, Dist:- Bhandara (M.S)	Test Location	Near Durga Chowk
	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

OBSERVATION

Ambient Dry Bulb Temp. °C °C 30 30	Temp.	Temp. Temp.	Relative Humidity % RH	midity Duration 6 RH In Min	Rainfall (mm)	Wind Velocity	Wind Direction
	30	14	41				
		41	1440	0.0	7.5 km/	NE	
					1	hrs.(Avg)	

Sr. No.	Description	RESULT			
01	Sulphur Dioxide (SO ₂)	Unit	Results	CPCB standard	Test Method
02	Oxides of Nitrogen (NO ₂)	μg/M³	12.8	≤80	
03	Particulate Mark	μg/M ³	17.2	≤ 80	IS 5182(Part 2)
	Particulate Matter PM _{10 micron}	μg/M ³	64.9	≤ 100	IS 5182(Part 6)
04	Particulate Matter PM _{2,5 micron}	3 3 3		\$ 100	IS 5182 (Part 23
	Windstell F1V12.5 micron	μg/M³	13.9	≤ 60	USEPA 40 CFRCH
05	Ozone (O ₃)				OSEFA 40 CFRCF
06	Lead (Pb)	μg/M³	3.5	≤ 100	IS 5182
07	Carbon Monoxide (CO)	μg/M³	BDL	≤ 1.0	APHA - AAS
08	Ammonia (NH ₃)	mg/M³	0.314	≤ 2.0	IS 5182
09	Benzene (C ₆ H ₆)	μg/M³	3.6	≤ 400	APHA - 401
10	Benzo(a)Pyrene (BaP)	μg/M³	BDL	≤5	
11	Arsenic (As)	ng/ M ³	BDL	≤1	IS 5182
12	Nickel (Ni)	ng/M³	BDL	≤6	IS 5182
	MICKEI (IVI)	ng/M³	BDL		APHA - AAS
				≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

- All above results are within National Ambient Air Quality standards.
- BDL: Below Detection Limit.

For MITCON Consultancy & Engineering Services Light & ENGINEER

kutt-eotleh Checked By

Mrs.Kadambari Deshmukh)



Dr. Sandeep Jadhav Senior vice president

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12264

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-
M/s MOIL LIMITED,		23/December/12264/8
	Date of Monitoring	05/12/2022
Chikla Manganese Mines L1=150.650 Ha Site, Dist:	Type of Monitoring	Ambient Air
Bhandara (M.S)	Test Location	Near Mine Vertical
	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Temp. Temp.	Temp. Temp. Humidity Duration		Sampling Duration	Rainfall (mm)	Wind Velocity	Wind Direction
30 30	30	14		In Min				
	30		1440 SULT	0.0	7.5 km/ NE hrs.(Avg)	NE		

Sr. No.	Description	10-2/5			
01	Sulphur Dioxide (SO ₂)	Unit	Results	CPCB standard	Test Method
02	Oxides of Nitrogen (NO ₂)	μg/M³	12.8	≤80	IS 5182(Part 2)
03	Particulate Many Day	μg/M ³	17.2	≤ 80	
	Particulate Matter PM10 micron	μg/M ³	64.9	≤ 100	IS 5182(Part 6)
04	Particulate Matter PM2.5 micron	1 1	Modernie	3 100	IS 5182 (Part 23
	dictionate Matter PM2.5 micron	μg/M³	34.8	≤ 60	USEPA 40 CFRCI
05	Ozone (O ₃)	/2.2			SOLI M 40 CFRCI
06	Lead (Pb)	μg/M³	3.5	≤ 100	IS 5182
07	Carbon Monoxide (CO)	μg/M³	BDL	≤ 1.0	APHA - AAS
08	Ammonia (NH ₃)	mg/M ³	0.394	2.0	IS 5182
09	Benzene (C ₆ H ₆)	μg/M³	3.7	≤ 400	APHA - 401
10	Benzo(a)Pyrene (BaP)	μg/M³	BDL	≤5	
11	Arsenic (As)	ng/M³	BDL	S1	IS 5182
12		ng/M ³	BDL	≤6	IS 5182
	Nickel (Ni)	ng/M³	BDL		APHA - AAS
				≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

All above results are within National Ambient Air Quality standards.

> BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Services Ltd.

kupesuluh Checked By

(Mrs.Kadambari Deshmukh)



Signatory Dr. Sandeep Jadhav Senior vice president

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12265

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-
M/s MOIL LIMITED,		23/December/12265/5
Pathari Sand Lease 40.410 Ha Site, Dist:-Bhandara	Date of Monitoring	05/12/2022
	Type of Monitoring	Ambient Air
M.S)	Test Location	Pathari Sand Lease from 500 m
	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

OBSERVATION

Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp.	Relative Humidity % RH	Sampling Duration	Rainfall (mm)	Wind Velocity	Wind	
30	20	30	20		In Min			
		14	41	1440	0.0	7.5 km/ hrs.(Avg)	NE	

Sr. No.	Description	Unit	Results	СРСВ	Test Method
01	Sulphur Dioxide (SO ₂)	0.03		standard	
02	Oxides of Nitrogen (NO ₂)	μg/M³	11.0	≤80	IS 5182(Part 2)
03	Particulate Matter PM10 micron	μg/M³	15.9	≤ 80	IS 5182(Part 6)
04	Particulate Martin PM10 micron	μg/M³	56.2	≤ 100	
05	Particulate Matter PM2.5 micron	μg/M³	24.3	≤ 60	IS 5182 (Part 23)
	Ozone (O ₃)	µg/М³	3.0	≤ 100	USEPA 40 CFRCH
06	Lead (Pb)	μg/M³	BDL		IS 5182
07	Carbon Monoxide (CO)	mg/M³		≤ 1.0	APHA - AAS
08	Ammonia (NH ₃)		0.244	≤ 2.0	IS 5182
09	Benzene (C ₆ H ₆)	μg/M³	3.4	≤ 400	APHA - 401
10	Benzo(a)Pyrene (BaP)	μg/M³	BDL	≤5	IS 5182
11	Arsenic (As)	ng/M³	BDL	≤1	IS 5182
12	Nickel (Ni)	ng/ M ³	BDL	≤6	
	Mickel (M)	ng/M³	BDL	≤ 20	APHA - AAS APHA - AAS

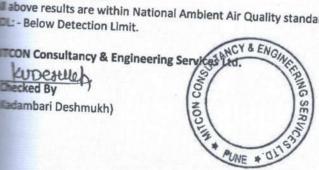
CONTRACTOR SERVATIONS:

above results are within National Ambient Air Quality standards.

Below Detection Limit.

Checked By

(Cadambari Deshmukh)



Authorized Signatory Dr. Sandeep Jadhav Senior vice president

sport is valid for tested sample only.

Report shall not be reproduced except in full & with written permission of MITCON.

sport should not be used for advertisement / judicial purpose.

complaint register is available in the laboratory.

Environment Management and Engineering Division

(Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12265

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022- 23/December/12265/6
M/s MOIL LIMITED,	Date of Monitoring	05/12/2022
	Type of Monitoring	Ambient Air
	Test Location	Haul Road of Sand Lease 2 km east
	Monitoring Done By	MITCON
Pathari Sand Lease 40.410 Ha Site, Dist:-Bhandara (M.S).	Date of Analysis	07/12/2022

OBSERVATION

Ambient Dry Bulb Wet Bulb Relation Temp. Temp. Humidities °C °C % RH		% RH				Wind Direction
30 30	14	41	1440	0.0	7.5 km/	NE

Sr. No.	Description	Unit	Results	CPCB standard	Test Method
01	Sulphur Dioxide (SO ₂)	μg/M³	11.8	-00	
02	Oxides of Nitrogen (NO ₂)	μg/M³	16.0	≤80	IS 5182(Part 2)
03	Particulate Matter PM _{10 micron}	20	Section 1	≤80	IS 5182(Part 6)
	The state of the s	μg/M³	58.9	≤ 100	IS 5182 (Part 23)
04	Particulate Matter PM _{2.5 micron}	µg/М³	29.7	≤ 60	USEPA 40 CFRCH
05	Ozone (O₃)	µg/М³	2.6	< 100	
06	Lead (Pb)	μg/M ³		≤ 100	IS 5182
07	Carbon Monoxide (CO)		BDL	≤1.0	APHA - AAS
08	Ammonia (NH ₃)	mg/M ³	0.284	≤ 2.0	IS 5182
		μg/M ³	3.2	≤ 400	APHA - 401
09	Benzene (C ₆ H ₆)	μg/M ³	BDL	≤5	
10	Benzo(a)Pyrene (BaP)	ng/M³	BDL		IS 5182
11	Arsenic (As)	ng/M³	BDL	≤1	IS 5182
12	Nickel (Ni)	ng/ M ³		≤ 6	APHA - AAS
		LIRY IAI	BDL	≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

All above results are within National Ambient Air Quality standards.

BDL: - Below Detection Limit.

All above results are within National Ambient Air Quality standards.

BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Service

Checked By

(Mrs.Kadambari Deshmukh)

ed Signatory Dr. Sandeep Jadhav Senior vice president

s Ltd.

PUNF.

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12265

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-
M/s MOIL LIMITED,	Date of Monitoring	23/December/12265/7
Pathari Sand Lease 40.410 Ha Site, Dist:-Bhandara (M.S).	Type of Monitoring	05/12/2022 Ambient Air
	Test Location	Point of Sand lease
	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp.	Relative Humidity % RH	Sampling Duration	Rainfall (mm)	Wind Velocity	Wind Direction
30	30	14	41	In Min		I was a sum of the same of the	
			41	1440	0.0	7.5 km/ hrs.(Avg)	NE

Sr. No.	Description	KESULI		and the state of t	
01	Sulphur Dioxide (SO ₂)	Unit	Results	CPCB standard	Test Method
02	Ovides of Nike	μg/M³	12.0	≤80	
03	Oxides of Nitrogen (NO ₂)	μg/M³	16.2	≤ 80	IS 5182(Part 2)
03	Particulate Matter PM10 micron	μg/M³	55.9	≤ 100	IS 5182(Part 6)
04	Particular November			2 100	IS 5182 (Part 23)
	Particulate Matter PM _{2.5 micron}	µg/М³	24.6	≤ 60	USEPA 40 CFRCH
05	Ozone (O ₃)	110/0.43	2.		A STATE OF INCH
06	Lead (Pb)	μg/M³	3.1	≤100	IS 5182
07	Carbon Monoxide (CO)	μg/M³	BDL	≤ 1.0	APHA - AAS
08	Ammonia (NH ₃)	mg/M³	0.304	≤ 2.0	IS 5182
09		μg/M³	3.2	≤ 400	
10	Benzene (C ₆ H ₆)	μg/M³	BDL	≤5	APHA - 401
	Benzo(a)Pyrene (BaP)	ng/M³	BDL		IS 5182
11	Arsenic (As)	ng/M³	BDL	≤1	IS 5182
12	Nickel (Ni)	ng/M³		≤6	APHA - AAS
		118/ 141	BDL	≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

➤ All above results are within National Ambient all Charles Standards.

➤ BDL: - Below Detection Limit.

ices Ltd.

For MITCON Consultancy & Engineering Service

Checked By

(Mrs.Kadambari Deshmukh)

ed Signatory Dr Sandeep Jadhav Senior vice president

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- ISO 45001:2018 (OHSAS)Certified Laboratory.
- MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12265

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-	
M/s MOIL LIMITED		23/December/12265/8	
M/s MOIL LIMITED,	Date of Monitoring	05/12/2022	
	Type of Monitoring	Ambient Air	
	Test Location	Pathari Village	
Pathari Sand Lease 40.410 Ha Site, Dist:-Bhandara (M.S).	Monitoring Done By	MITCON	
	Date of Analysis	07/12/2022	

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Duration In Min	Rainfall (mm)	Wind Velocity	Wind Direction
30	30	14		***************************************			
		**	41	1440	0.0	7.5 km/	NE
		The second second	- DEA	mr.	200	hrs.(Avg)	

RESULT

Sr. No.	Description	Unit	Results	CDCD -1 1	
01	Sulphur Dioxide (SO ₂)	μg/M³		CPCB standard	Test Method
02	Oxides of Nitrogen (NO ₂)		10.6	≤80 .	IS 5182(Part 2)
03	Particulate Matter PM	μg/M³	15.4	≤80	IS 5182(Part 6)
	Particulate Matter PM _{10 micron}	μg/M³	52.4	≤ 100	IS 5182 (Part 23
04	Particulate Matter PM2.5 micron	μg/M³	23.1	≤60	USEPA 40 CFRCH
05	Ozone (O ₃)	μg/M³	2.7	Care Control	OSEFA 40 CFRCF
06	Lead (Pb)			≤ 100	IS 5182
07	Carbon Monoxide (CO)	μg/M³	BDL	≤ 1.0	APHA - AAS
08	Ammonia (NH ₃)	mg/M ³	0.228	≤ 2.0	IS 5182
09		μg/M ³	3.3	≤ 400	APHA - 401
	Benzene (C ₆ H ₆)	µg/M³	BDL	≤5	
10	Benzo(a)Pyrene (BaP)	ng/M³	BDL		IS 5182
11	Arsenic (As)	ng/M³		≤1	IS 5182
12	Nickel (Ni)	ng/M³	BDL	≤6	APHA - AAS
		LIRY IVI	BDL	≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

➤ All above results are within National Ambient Air Quality standards.

➤ BDL: - Below Detection Limit.

vices Ltd.

For MITCON Consultancy & Engineering Se

Checked By

(Mrs.Kadambari Deshmukh)

zed Signatory Dr. Sandeep Jadhav Senior vice president

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12265

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-23/December/12265/9
M/s MOIL LIMITED,	Date of Monitoring	05/12/2022
Pathari Sand Lease 40.410 Ha Site, Dist:-	Type of Monitoring	Ambient Noise
Bhandara (M.S).	Monitoring Done By	MITCON

READINGS

Sr. No.	Test Location		
01	Pathari Sand Lease from 500 m	Unit	Readings
02	Haul Road of Sand Lease 2 km East	dB(A)	56.9
03	Point of Sand Lease	dB(A)	59.0
	one of said Lease	dB(A)	61.0
04	Pathari Village	dD(A)	01.0
2548		dB(A)	55.0

REMARKS / OBSERVATIONS:

Limits: The Maharashtra Pollution Control Board has prescribe 75 dB (A) as an upper limit of Noise Level during

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs. Kadambari Deshmukh)



Authorized Signatory Dr. Sandeep Jadhav (Senior Vice President)

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- ISO 45001:2018 (OHSAS)Certified Laboratory.
- MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12266

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022 22/0-
M/s MOIL LIMITED, Chikla Railway Siding, Dist:-Bhandara (M.S)	Date of Monitoring	MITCON/2022-23/December/12266/3 05/12/2022
	Type of Monitoring	Ambient Air
	Test Location	Near Weigh Bridge
	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp, °C	Relative Humidity % RH	Sampling Duration	Rainfall (mm)	Wind Velocity	Wind Direction
30	30	14		In Min			and states
		14	41	1440	0.0	7.5 km/	NE
		President in a	PECILIT			hrs.(Avg)	

RESULT

Sr. No.	Description			4.2 13 67 6	
11:1		Unit	Results	СРСВ	Test Method
01	Sulphur Dioxide (SO ₂)	W- (0.03	10.0	standard	
02	Oxides of Nitrogen (NO ₂)	μg/M³	13.0	≤80	IS 5182(Part 2)
03	Particulate Matter PM10 micron	μg/M³	17.2	≤ 80	IS 5182(Part 6)
04	Particulate Matter PM2.5 micron	µg/М³	64.5	≤ 100	IS 5182 (Part 23)
05		μg/M³	30.2	≤ 60	USEPA 40 CFRCH
06	Ozone (O ₃)	μg/M³	3.8	≤ 100	
	Lead (Pb)	μg/M³	BDL	≤ 1.0	IS 5182
07	Carbon Monoxide (CO)	mg/M³	0.390		APHA - AAS
08	Ammonia (NH ₃)	μg/M³	3.9	≤ 2.0	IS 5182
09	Benzene (C ₆ H ₆)	μg/M³	The second second	≤ 400	APHA - 401
10	Benzo(a)Pyrene (BaP)		BDL	≤5	IS 5182
11	Arsenic (As)	ng/M³	BDL	≤1	IS 5182
12	Nickel (Ni)	ng/M³	BDL	≤6	APHA - AAS
-100		ng/M³	BDL	≤ 20	APHA - AAS

MEMARKS/OBSERVATIONS:

All above results are within National Ambient Air Quality standards.

BDL: - Below Detection Limit.

MITCON Consultancy & Engineering Services 200

KUTDEALLL Checked By

Mrs.Kadambari Deshmukh)



orized Signatory Dr. Sandeep Jadhav Senior vice president

Report is valid for tested sample only.

Report shall not be reproduced except in full & with written permission of MITCON.

Report should not be used for advertisement / judicial purpose.

Estomer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

- ISO 45001:2018 (OHSAS) Certified Laboratory.
- MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12266

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-
M/s MOIL LIMITED, Chikla Railway Siding, Dist:-Bhandara (M.S).		23/December/12266/4
	Date of Monitoring	05/12/2022
	Type of Monitoring	Ambient Air
Disti-Bhandara (M.S).	Test Location	Near Rallway Siding Area
	Monitoring Done By	MITCON
	Date of Analysis	07/12/2022

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Duration In Min	Rainfall (mm)	Wind Velocity	Wind Direction
30	30	14	41				
			7.	1440	0.0	7.5 km/ hrs.(Avg)	NE

RESULT

Sr. No.	Description	Unit	Results	CPCB standard	
01	Sulphur Dioxide (SO ₂)				Test Method
02	Oxides of Nitrogen (NO ₂)	µg/М³	12.8	≤80	IC F100/D ol
03	Particulate Many	μg/M³	17.0	≤80	IS 5182(Part 2)
-	Particulate Matter PM _{10 micron}	μg/M ³	66.9		IS 5182(Part 6)
04	Particulate Matter PM2.5 micron		7 ALKSES	≤ 100	IS 5182 (Part 23)
05	Ozone (O ₃)	μg/M³	28.2	≤ 60	USEPA 40 CFRCH
06	Lead (Pb)	μg/M³	3.7	≤ 100	
07	Carbon Monoxide (CO)	μg/M ³	BDL	≤ 1.0	IS 5182
08	Ammonio (Alle)	mg/M ³	0.370		APHA - AAS
09	Ammonia (NH ₃)	µg/М³	4.0	≤ 2.0	IS 5182
	Benzene (C ₆ H ₆)	µg/М³	BDL	≤ 400	APHA - 401
10	Benzo(a)Pyrene (BaP)	ng/M³		≤5	IS 5182
11	Arsenic (As)	The state of the s	BDL	≤1	IS 5182
2	Nickel (Ni)	ng/M³	BDL	≤6	
	1	ng/ M ³	BDL	≤ 20	APHA - AAS APHA - AAS

SERVIC,

REMARKS/OBSERVATIONS:

➤ All above results are within National Ambient All Quadratic tandards.

BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Service

Checked By

(Mrs.Kadambari Deshmukh)

Authorized Signatory Dr. Sandeep Jadhav Senior vice president

es Ltd.

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / Judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division

(Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number : MITCON/2022-23/December/12266

Issue Date:13/12/2022

Client's Name & Address	Reference No.	MITCON/2022-23/December/12266/5
M/s MOIL LIMITED,	Date of Monitoring	05/12/2022
Chikla Railway Siding, Dist:-Bhandara (M.S).	Type of Monitoring	Ambient Noise
	Monitoring Done By	MITCON

READINGS

Sr. No.	Toet Leastle		
01	Test Location Weigh Bridge	Unit	Readings
02	Loading and Un Loading	dB(A)	63.8
and the contract	1 codding and on coading	dB(A)	65.9

REMARKS / OBSERVATIONS:

Limits: The Maharashtra Pollution Control Board has prescribe 75 dB (A) as an upper limit of Noise Level during

For MITCON Consultancy & Engineering Services Ltd.

kutperligh Checked By

(Mrs. Kadambari Deshmukh)



Authorized Signatory Dr Sandeep Jadhav (Senior Vice President)

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

ISO 45001:2018 (OHSAS)Certified Laboratory.

MoEF & CC recognized laboratory



Format No. EME/LAB/Format 7.8/TR

Quarter October- November- December 2022

Test Report

Report Number: MiTCON/2022-23/December/12266

Issue Date:13/12/2022

Client's Name & Address		Sample Details
M/s MOIL LIMITED,	Sample Code	
	Name of Sample	MITCON/2022-23/December/12266/1 Ground Water
Chikla Railway Siding, Dist:-Bhandara (M.S)	Sample Details	
	Container Details	Railway Siding Office Drinking water 1 lit plastic can
	Sample Collected By	MITCON
	Method of sampling	IS 3025(Part I)
	Sample Collected On	05/12/2022
	Date of Sample Receipt	07/12/2022
	Analysis Start Date	07/12/2022
	End Date of Analysis	13/12/2022

ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Limits as per IS	Test Methods
01	pH at 25C	7.19		10500:2012	
02	Total suspended solids	12.0	mg/l	6.5 to 8.5 N.S	APHA 4500 H+, A, 4-95, 23rd Ed 2017
03	Turbidity	<1			APHA 2540 D,2-70 to 2-71 23rd ed 2017
04	Total Dissolved Solids		NTU	S1	IS: 3025 Part-10 (R.A : 2002)
05	Total Hardness as		mg/l	≤ 500	APHA 2540 C, 2-69 to 2-70, 23rd Ed 2017
	CaCO3	170.1	mg/l	≤200	APHA 2340 C ,2-48 to 2-50,23rd Ed 2017
06	Calcium as Ca	42.5			2340 C ,2-48 to 2-50,23rd Ed 2017
3		42.5	mg/l	≤ 75	APHA 3500 Ca B , 3-69 to 3-70 , 23rd Ed. 2017
07	Magnesium as Mg	24.55			2017 Ed. 2017
		21.25	mg/l	≤ 30	APHA 3500 Mg B, 3-86 , 23rd Ed. 2017
08	Mangnese as mn	< 0.1	13		1 101 3300 Mg B, 3-80 , 23rd Ed. 2017
1.0	O' and as min	< 0.1	mg/l	< 0.1	APHA 3111 B, 3-18 to 3-21 23rd Ed. 2017
09	Total Alkalinity as	150.2			5-18 to 3-21 23rd Ed. 2017
	Caco3	150.2	Mg/I	<200	APHA 2320 B ,2-37 to 2-39 23rd Ed 2017
10	Fluoride as F	< 0.1	- 1/mil		5,2-57 to 2-39 23rd Ed 2017
11	Chloride as Cl	32.12	Mg/I	<1	APHA 4500 F- D 4-90 to 4-9123rd Ed 2017
12	Sulphate as SO4	16.11	mg/l	≤ 250	APHA 4500 Cl, B, 4-75 to 4-76, 23rd Ed 2017
13	Iron as Fe	< 0.05	mg/l	≤ 200	APHA 4500 –SO4 –E, 4-199 TO 4-200, 23rd Ed 2017
14	Nitrate as NO3	3.49	mg/l	≤ 0.3	APHA 3111 B, 3-18 TO 3-21, 23rd Ed 2017 (using AAS)
15	E.coli	Absent	mg/l	≤45	APHA 4500 NO3-B,4-127 23rd Ed 2017 (using AAS)
16	Total Coliform	Absent	MPN/100ml	Absent	IS: 1622 (R.A : 2014)
17	colour		MPN/100ml	Absent	IS: 1622 (R.A.: 2014)
		< 5	HZ	≤5	IS: 1622 (R.A : 2014)
18	odour				IS: 3025 Part-4 (Rev.1, RA 2012)
	odour	Agreeable	Agreeable	Agreeable	IS: 3025 Part-5 (Rev.1, RA 2012)

ARKS / OBSERVATIONS:

The above water sample is complying with required lines, per IS 10500:2012.

For MITCON Consultancy & Engineering Service

Checked By

(Mrs. Kadambari Deshmukh)

Uthorized Signatory (Or.Sandeep Jadhav)

Senior Vice President

PUNE * 0

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.

Environment Management and Engineering Division (Environmental Laboratory)

Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005, Ph. No. 66289405/400, email: emelab@mitconindia.com

• ISO 45001:2018 (OHSAS)Certified Laboratory.

Format No. EME/LAB/Format 7.8/TR

MoEF & CC recognized laboratory



Quarter October- November- December 2022

Test Report

Report Number: MITCON/2022-23/December/12266

Issue Date:13/12/2022

Client's Name & Address		Sample Details
M/s MOIL LIMITED,	Sample Code	MITCON/2022-23/December/12266/2
	Name of Sample	Ground Water
Chikla Railway Siding, Dist:-Bhandara (M.S)	Sample Details	Railway Siding Water supply
	Container Details	1 lit plastic can
	Sample Collected By	MITCON
	Method of sampling	IS 3025(Part I)
	Sample Collected On	05/12/2022
	Date of Sample Receipt	07/12/2022
	Analysis Start Date	07/12/2022
	End Date of Analysis	13/12/2022

ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Limits as per IS 10500:2012	Test Methods
01	pH at 25C	7,23		6.5 to 8.5	APHA 4500 H+, A, 4-95, 23rd Ed 2017
02	Total suspended solids	14.0	mg/l	N.S	APHA 2540 D,2-70 to 2-71 23rd ed 2017
03	Turbidity	<1	NTU .	≤1	IS: 3025 Part-10 (R.A : 2002)
04	Total Dissolved Solids	346.0	mg/l	≤500	APHA 2540 C, 2-69 to 2-70, 23rd Ed 2017
05	Total Hardness as CaCO3	173.0	mg/l	≤200	- APHA 2340 C ,2-48 to 2-50,23rd Ed 2017
06	Calcium as Ca	40.12	mg/l	≤75	APHA 3500 Ca B , 3-69 to 3-70 , 23rd Ed. 2017
07	Magneslum as Mg	20.18	mg/l	≤30	APHA 3500 Mg B, 3-86 , 23rd Ed. 2017
08	Mangnese as mn	< 0.1	mg/l	<0.1	APHA 3111 B, 3-18 to 3-21 23rd Ed. 2017
09	Total Alkalinity as Caco3	140.4	Mg/I	<200	APHA 2320 B ,2-37 to 2-39 23rd Ed 2017
10	Fluoride as F	< 0.1	Mg/I	<1	APHA 4500 F- D 4-90 to 4-9123rd Ed 2017
11	Chloride as Cl	32.23	mg/l	≤ 250	APHA 4500 Cl, B, 4-75 to 4-76, 23rd Ed 2017
12	Sulphate as SO4	18.19	mg/l	≤ 200	APHA 4500 –SO4E, 4-199 TO 4-200, 23rd Ed 2017
13	Iron as Fe	< 0.05	mg/l	≤0.3	APHA 3111 B, 3-18 TO 3-21, 23rd Ed 2017 (using AAS)
14	Nitrate as NO3	5.78	mg/l	≤45	APHA 4500 NO3-B,4-127 23rd Ed 2017
15	E.coli	Absent	MPN/100ml	Absent	IS: 1622 (R.A : 2014)
16	Total Coliform	Absent	MPN/100ml	Absent	IS: 1622 (R.A : 2014)
17	colour	<5	HZ	≤5	IS: 3025 Part-4 (Rev.1, RA 2012)
18	odour	Agreeable	Agreeable	Agreeable	IS: 3025 Part-5 (Rev.1, RA 2012)

REMARKS / OBSERVATIONS:

Checked By

(Mrs. Kadambari Deshmukh)

For MITCON Consultancy & Engineering Services Ltd. PUNE *

brized Signatory (Dr.Sandeep Jadhav) Senior Vice President

This Report is valid for tested sample only.

This Report shall not be reproduced except in full & with written permission of MITCON.

This Report should not be used for advertisement / judicial purpose.

Customer complaint register is available in the laboratory.