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/12255

Issue Date:12/12/2022

IS 5182

IS 5182

APHA - AAS

APHA - AAS

Client's Name & Address	Reference No.	MITCON/2022- 23/December/12255/5
M/s MOIL LIMITED,	Date of Monitoring	02/12/2022
Balaghat Fama M.	Tymo of Manitania	Ambient Air
Balaghat Ferro Manganese Plant, Dist:-Balaghat(M.P)	Test Location	Near Main Gate
	Monitoring Done By	MITCON
	Date of Analysis	05/12/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Duration	Rainfall (mm)	Wind Velocity	Wind Direction
29	29	12		In Min			
			40 RESULT	1440	0.0	5.0 km/ hrs.(Avg)	SW

Sr. No.					
	Description	Unit	Results	СРСВ	Test Method
01	Sulphur Dioxide (SO ₂)	μg/M ⁸		standard	
02	Oxides of Nitrogen (NO ₂)		12.7	≤80	IS 5182(Part 2)
03	Particulate Matter PM10 micron	μg/M³	15.6	≤ 80	IS 5182(Part 6)
04	Particulate Matter PIVI10 micron	μg/M³	58.5	≤ 100	IS 5182 (Part 23)
05	Particulate Matter PM _{2.5 micron}	μg/M ³	26.4	<u>≤</u> 60	
-	Ozone (O ₃)	μg/M ³	3.6	≤ 100	USEPA 40 CFRCH
06	Lead (Pb)	μg/M³	BDL		IS 5182
07	Carbon Monoxide (CO)	mg/M ³		≤ 1.0	APHA - AAS
08	Ammonia (NH ₃)		0.346	≤ 2.0	IS 5182
09	Benzene (C ₆ H ₆)	μg/M³	4.0	≤ 400	APHA - 401
		цд/М3	RDI		101

BDL

BDL

BDL

BDL

≤5

≤1

≤6

≤ 20

 $\mu g/M^3$

ng/M3

ng/M3

ng/M³

REMARKS/OBSERVATIONS:

10

11

12

For MITCON Consultancy & Engineering Services Ltd

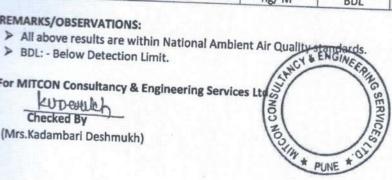
Benzo(a)Pyrene (BaP)

Arsenic (As)

Nickel (Ni)

KUDEHULL 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



Quarter October- November- December 2022

Format No. EME/LAB/Format 7.8/TR

Test Report

Report Number: MITCON/2022-23/December/12255

Issue Date:12/12/2022

Client's Name & Address	Reference No.	MITCON/2022- 23/December/12255/6
M/s MOIL LIMITED,	Date of Monitoring	02/12/2022
WIS WOLL ENVILLED,	Type of Monitoring	Ambient Air
Balaghat Ferro Manganese Plant, Dist:-Balaghat(M.P)	Test Location	Near Office
	Monitoring Done By	MITCON
	Date of Analysis	05/12/2022
		The second control of

OBSERVATION

Amblent Temp.	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Duration In Min	Rainfall (mm)	Wind Velocity	Wind Direction
29	29	12	40	1440	0.0	5.0 km/ hrs.(Avg)	SW

RESULT

Sr. No.	Description	Unit	Results	CPCB standard	Test Method
01	Sulphur Dioxide (SO ₂)	μg/M³	10.8	≤80	IS 5182(Part 2)
02	Oxides of Nitrogen (NO ₂)	μg/M³	15.2	≥ 80	IS 5182(Part 6)
03	Particulate Matter PM ₁₀ micron	μg/M³	57.3	≤ 100	IS 5182 (Part 23)
04	Particulate Matter PM _{2.5 micron}	μg/M³	25.0	≤ 60	USEPA 40 CFRCH
05	Ozone (O ₃)	μg/M³	3.4	≤ 100	IS 5182
06	Lead (Pb)	μg/M³	BDL	≤ 1.0	APHA - AAS
07	Carbon Monoxide (CO)	mg/M³	0.338	≤ 2.0	IS 5182
08	Ammonia (NH ₃)	μg/M³	3.5	≤ 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

REMARKS/OBSERVATIONS:

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

> BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Services Ltd S 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



Quarter October- November- December 2022

Format No. EME/LAB/Format 7.8/TR

Test Report

Report Number: MITCON/2022-23/December/12255

Issue Date:12/12/2022

Reference No.	MITCON/2022- 23/December/12255/7
Date of Monitoring	02/12/2022
Type of Monitoring	Ambient Air
Test Location	Hirapur Village
Monitoring Done By	MITCON
Date of Analysis	05/12/2022
	Date of Monitoring Type of Monitoring Test Location Monitoring Done By

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
29	29	12	40	1440	0.0	5.0 km/ hrs.(Avg)	SW

RESULT

Sr. No.	Description	Unit	Results	CPCB standard	Test Method
01	Sulphur Dioxide (SO ₂)	μg/M³	11.9	≤80	IS 5182(Part 2)
02	Oxides of Nitrogen (NO ₂)	μg/M³	15.0	≤ 80	IS 5182(Part 6)
03	Particulate Matter PM _{10 micron}	μg/M³	53.8	≤ 100	IS 5182 (Part 23)
04	Particulate Matter PM _{2.5 micron}	µg/M³	24.0	≤ 60	USEPA 40 CFRCH
05	Ozone (O ₃)	μg/M³	3.0	≤ 100	IS 5182
06	Lead (Pb)	μg/M³	BDL	≤ 1.0	APHA - AAS
07	Carbon Monoxide (CO)	mg/M ³	0.238	≤ 2.0	IS 5182
08	Ammonia (NH ₃)	μg/M³	3.2	≤ 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/ M ³	BDL	≤6	APHA - AAS
12	Nickel (Ni)	ng/M³	BDL	≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

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

> BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Services

Checked By

(Mrs.Kadambari Deshmukh)

Aut Place & CLICS SEE

Authorzed 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/12255

Issue Date:12/12/2022

Client's Name & Address	Reference No.	MITCON/2022- 23/December/12255/8
M/s MOIL LIMITED,	Date of Monitoring	02/12/2022
MIS MOIL LIMITED,	Type of Monitoring	Ambient Air
Balaghat Ferro Manganese Plant, Dist:-Balaghat(M.P)	Test Location	Near ARC Furnace
	Monitoring Done By	MITCON
	Date of Analysis	05/12/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp.	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Duration In Min	Rainfall (mm)	Wind Velocity	Wind Direction
29	29	12	40	1440	0.0	5.0 km/ hrs.(Avg)	SW

Sr. No.	Description	Unit	Results	CPCB standard	Test Method
01	Sulphur Dioxide (SO ₂)	μg/M³	12.4	≤80	IS 5182(Part 2)
02	Oxides of Nitrogen (NO ₂)	μg/M³	17.0	≤80	IS 5182(Part 6)
03	Particulate Matter PM10 micron	μg/M³	62.9	≤ 100	IS 5182 (Part 23)
04	Particulate Matter PM2.5 micron	μg/M³	30.9	≤ 60	USEPA 40 CFRCH
05	Ozone (O ₃)	μg/M³	3.8	≤ 100	IS 5182
06	Lead (Pb)	μg/M³	BDL	≤ 1.0	APHA - AAS
07	Carbon Monoxide (CO)	mg/M ³	0.362	≤ 2.0	IS 5182
08	Ammonia (NH ₃)	µg/М³	4.0	≤ 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/M³	BDL	≤ 20	APHA - AAS

REMARKS/OBSERVATIONS:

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

For MITCON Consultancy & Engineering Services L

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



Quarter October- November- December 2022

Format No. EME/LAB/Format 7.8/TR

Test Report

Report Number: MITCON/2022-23/December/12255

Issue Date:12/12/2022

Client's Name & Address	Reference No.	MITCON/2022-23/December/12255/9
M/s MOIL LIMITED,	Date of Monitoring	02/12/2022
	Type of Monitoring	Ambient Noise
Balaghat Ferro Manganese Plant, Dist:- Balaghat(M.P)	Monitoring Done By	MITCON

READINGS

	Test Location	Unit	Readings
Sr. No.		dB(A)	62.9
01	Near Main Gate	dB(A)	57.2
02	Near Office	dB(A)	49.5
03	Hirapur Village		71.0
04	Near ARC Furnace	dB(A)	/1.0

REMARKS / OBSERVATIONS:

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

For MITCON Consultancy & Engineering Services Ltd.

kuperuch **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/12255

Issue Date: 12/12/2022

Client's Name & Address	Reference No.	MITCON/ 2022- 23/December/12255/10
M/s MOIL LIMITED,	Date of Monitoring	01/12/2022
	Type of Monitoring	Stack Monitoring
Balaghat Ferro Manganese Plant, Dist:-Balaghat(M.P)	Test Location	ARC Furnace Stack
	Monitoring Done By	MITCON Team
	Date of Analysis	05/12/2022

RESULT

Sr. No.	Description	Unit	Stack #1	Method for reference	Permissible limit of consent
01	Stack Attached to	-	ARC Furnace		
02	Stack Height	m	30 mtr	-	-
03	Diameter of stack	М	1.0		-
04	Ambient Temp.	°C	28.0		_
05	Flue gas temperature	°C	144.0		
06	Flue gas Velocity	m/sec	10.5	-	
07	Total Particulate Matter (TPM)	Mg/Nm3	42.1		50
08	Sulphur Dioxide (SO ₂)	Mg/Nm3	31.9		600
09	Oxides of Nitrogen (NO _x)	Mg/Nm3	10.2		300

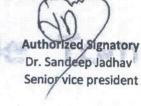
REMARKS/OBSERVATIONS:

> BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs. Kadambari Deshmukh)



SENGINE ENGINEERING SE

PLINE + OL

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/12255

Issue Date:12/12/2022

M/s MOIL LIMITED,	Sample Details		
	Sample Code	MITCON/2022-23/December/12255/	
Balaghat Ferro Manganese Plant, Dist:- Balaghat(M.P)	Name of Sample	Ground Water	
	Sample Details		
	Container Details	Ferro Manganese Plant open dug well	
	Sample Collected By	1 lit plastic can MITCON	
	Method of sampling		
	Sample Collected On	IS 3025(Part I)	
		02/12/2022	
	Date of Sample Receipt	05/12/2022	
	Analysis Start Date	05/12/2022	
	End Date of Analysis	12/12/2022	

Sr. No.	Parameters	Results	Unit	Limits as per IS	Tobbus
01	pH at 25C	7.20		10500:2012	Test Methods
02	Total suspended	<5.0	-	6.5 to 8,5	Andrea
500	solids	V 5.0	mg/l	N.S	APHA 4500 H+, A, 4-95, 23rd Ed 2017
03	Turbidity	< 1.0			APHA 2540 D,2-70 to 2-71 23rd ed 2017
04	Total Dissolved Solids		NTU	≤1	
05	Total Hardness as		mg/l	≤ 500	IS: 3025 Part-10 (R.A : 2002)
	CaCO3	139.15	mg/l	≤200	APHA 2540 C, 2-69 to 2-70 23rd Ed 2017
06	Calcium as Ca	BIVE			APHA 2340 C ,2-48 to 2-50,23rd Ed 2017
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34.78	mg/l	≤ 75	
07	Magnesium as Mg	Library Bills		177	APHA 3500 Ca B , 3-69 to 3-70 , 23rd Ed. 2017
	mobilesium as Mg	17.39	mg/l	≤30	
38	Mangnese as mn	- F		1 3 30	APHA 3500 Mg B, 3-86 , 23rd Ed. 2017
mangarese as mn	manginese as mn	< 0.1	mg/l	< 0.1	
29	Total Alkalinity as			V0.1	APHA 3111 B, 3-18 to 3-21 23rd Ed. 2017
	Caco3	119.15	Mg/I	<200	2017
0				<200	APHA 2320 B ,2-37 to 2-39 23rd Ed 2017
1	Fluoride as F	< 0.1	Mg/I		, 5 % to 2-33 25fd Ed 2017
2	Chloride as CI	33.10	mg/l	<1	APHA 4500 F- D 4-90 to 4-9123rd Ed 2017
3	Sulphate as SO4	17.12	mg/l	\$ 250	APHA 4500 CI, B, 4-75 to 4-76, 23rd Ed 2017
4	Iron as Fe	< 0.05	mg/l	≤ 200	APHA 4500 -SO4 - F 4 100 TO - 23rd Ed 2017
\rightarrow	Nitrate as NO3	5.01	mg/l	≤ 0.3	APHA 4500 – SO4 – E, 4-199 TO 4-200, 23rd Ed 2017 APHA 3111 B 3-18 TO 2 25
_	E.coli	Absent		≤45	APHA 3111 B, 3-18 TO 3-21, 23rd Ed 2017 (using AAS)
	Total Coliform	Absent	MPN/100ml	Absent	1300 NO3-B,4-127 23rd Ed 2017
	colour	<5	MPN/100ml	Absent	IS: 1622 (R.A : 2014)
			HZ	≤5	IS: 1622 (R.A : 2014)
	odour	Agraveli			IS: 3025 Part-4 (Rev.1, RA 2012)
		Agreeable	Agreeable	Agreeable	
ADVE	OBSERVATIONS:			Precaple	IS: 3025 Part-5 (Rev.1, RA 2012)

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

For MITCON Consultancy & Engineering Services

Checked By

(Mrs. Kadambari Deshmukh)

thorized Signatory (Dr.Sandeep Jadhav) Senior Vice President

PUNE *

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/12255

Issue Date:12/12/2022

Client's Name & Address M/s MOIL LIMITED,		Sample Details			
diffill,	Sample Code	MITCON/2022 PG/P			
Balaghat Ferro Manager	Name of Sample	MITCON/2022-23/December/12255/2 Ground Water			
Balaghat Ferro Manganese Plant, Dist:- Balaghat(M.P)	Sample Details	Guest house water supply			
	Container Details	1 lit plant			
	Sample Collected By	1 lit plastic can MITCON			
	Method of sampling				
	Sample Collected On	IS 3025(Part I) 02/12/2022			
	Date of Sample Receipt	05/12/2022			
	Analysis Start Date	05/12/2022			
	End Date of Analysis	12/12/2022			

ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Limits as per IS	Total
01	pH at 25C	7.19		10500:2012	Test Methods
02	Total suspended		STATE OF THE STATE	6.5 to 8.5	ABUA 47-20-1
S.O.	solids	<5.0	mg/l	N.S	APHA 4500 H+, A, 4-95, 23rd Ed 2017
03	Turbidity	<1.0			APHA 2540 D,2-70 to 2-71 23rd ed 2017
04	Total Dissolved Solids	246.1	NTU	51	
05	Total Hardness as	1	mg/l	≤500	IS: 3025 Part-10 (R.A : 2002)
	CaCO3	123.05	mg/l	≤200	APHA 2540 C, 2-69 to 2-70, 23rd Ed 2017
06	Calcium as Ca	20.76			APHA 2340 C ,2-48 to 2-50,23rd Ed 2017
	日本 日本	30.76	mg/l	≤75	
07	Magnesium as Mg	15.38			APHA 3500 Ca B , 3-69 to 3-70 , 23rd Ed. 2017
	and and	13.38	mg/l	≤30	
80	Mangnese as mn	< 0.1			APHA 3500 Mg B, 3-86 , 23rd Ed. 2017
		10.1	mg/l	< 0.1	
19	Total Alkalinity as				APHA 3111 B, 3-18 to 3-21 23rd Ed. 2017
100	Caco3	103.05	Mg/I	<200	
10	Fluoride as F	37	TAL 18	1	APHA 2320 B ,2-37 to 2-39 23rd Ed 2017
1	Chloride as Cl	< 0.1	Mg/I	<1	
2	Sulphate as \$04	32.45	mg/l	≤ 250	APHA 4500 F- D 4-90 to 4-9123rd Ed 2017
3	Iron as Fe	17.19	mg/I	≤ 200	OF NA 4500 CL B. 4-75 to 4.76 22-4 F. 1-2-
4	Nitrate as NO3	< 0.05	mg/l	≤ 0.3	
	E.coli	4.11	mg/l	≤45	
_	Total Coliform	Absent	MPN/100ml	Absent	APHA 4500 NO3-B,4-127 23rd Ed 2017 (using AAS)
_	colour	Absent	MPN/100ml	Absent	IS: 1622 (R.A : 2014)
		<5	HZ		IS: 1622 (R.A : 2014)
	-4-			≤5	IS: 3025 Part-4 (Rev.1, RA 2012)
	odour	Agreeable	Agreeable		(1012)
			P. crapic	Agreeable	IS: 3025 Part-5 (Rev.1, RA 2012)
ARKS	OBSERVATIONS:			N & ENGINE	THE

For MITCON Consultancy & Engineering Services

Checked By

(Mrs. Kadambari Deshmukh)

Anthorized Signatory (br.Sandeep Jadhav)

Senior Vice President

This Report is valid for tested sample only.

A PUNE * 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/12255

Issue Date:12/12/2022

Client's Name & Address M/s MOIL LIMITED,	Sample Details		
TOTAL ENVITED,	Sample Code		
Balaghat Form Man	Name of Sample	MITCON/2022-23/December/12255/3 Waste water	
Balaghat Ferro Manganese Plant, Dist:- Balaghat(M.P)	Sample Details	ETP Treated Water	
	Container Details	1 lit plastic can	
	Sample Collected By	MITCON	
	Method of sampling	IS 3025(Part I)	
	Sample Collected On	02/12/2022	
	Date of Sample Receipt	05/12/2022	
	Analysis Start Date	05/12/2022	
	End Date of Analysis	12/12/2022	

ANALYSIS RESULTS

04 Biochemical Oxygen 17.6 mg/l 250 APHA 5220 C,5-20	4.05 32 454 55
03 Chemical Oxygen Demand 54.4 mg/l IS: 302 04 Biochemical Oxygen 17.6 mg/l 250 APHA 5220 C,5-20	4.0F 33-454 554
03 Chemical Oxygen Demand 54.4 mg/l 250 APHA 5220 C,5-20	4-35, 23rd Ed. 2017
04 Biochemical Oxygen 17.6 mg/l 250 APHA 5220 C,5-20	5 Part 38
	to 5-21 23rd Ed 2017
Total suspended solids 30 IS:3025	(Part 44)
	to 2-71 23rd Ed 2017
7 Manganese <5 mg/l 10 APHA 5520 B,5-42	to 5-43 23rd Ed 2017
MARKS / OBSERVATIONS: 0.36 mg/l 2 APHA 3111 B,3-18	to 3-21 23rd Ed 2017

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs. Kadambari Deshmukh)



athorized 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/12255

Issue Date:12/12/2022

Client's Name & Address	1			
M/s MOIL LIMITED,	Sample Details			
	Sample Code	MITCON/2022-23/December/12255/4		
Balaghat Ferro Manganese Plant, Dist:-	Name of Sample	Waste Water ETP Untreated Water 1 lit plastic can		
Balaghat(M.P)	Sample Details			
	Container Details			
	Sample Collected By	MITCON		
	Method of sampling	IS 3025(Part I)		
	Sample Collected On	02/12/2022		
	Date of Sample Receipt	05/12/2022		
	Analysis Start Date	05/12/2022		
	End Date of Analysis	12/12/2022		

ANALYSIS RESULTS

Sr.		MINALI SIS NESC)LIS	
No.	Characteristic	Results	Unit	Test Methods
01	pH at 25°C			
02	Dissolved Oxygen	6.89		APHA 4500 H+ A, 4-95, 23rd Ed. 2017
03	Chemical Oxygen Demand	2.1	mg/l	IS: 3025 Part 38
04	Biochemical Oxygen	314.2	mg/l	APHA 5220 C,5-20 to 5-21 23rd Ed 2017
05	Total suspended solids	64.4	mg/l	IS :3025 (Part 44)
06	Oil and grease	80.4	mg/l	APHA 2540 D,2-70 to 2-71 23rd Ed 2017
07	Manganese Manganese	12.4	mg/l	APHA 5520 B,5-42 to 5-43 23rd Ed 2017
	S / OBSERVATIONS:	0.56	mg/l	APHA 3111 B,3-18 to 3-21 23rd Ed 2017
	- , ODDERVATIONS:			

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.