

Format No. EME/LAB/Format 7.8/TR

Quarter January- February- March 2023

Test Report

Report Number : MITCON/2022-23/March/3411

Issue Date:20/03/2023

| | | |
|--|--------------------|-----------------------------|
| Client's Name & Address | Reference No. | MITCON/2022-23/March/3411/5 |
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Date of Monitoring | 12/03/2023 |
| | Type of Monitoring | Ambient Air |
| | Test Location | Admin Office |
| | Monitoring Done By | MITCON |
| | Date of Analysis | 14/03/2023 |

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 |
|------------------|-------------------|-------------------|------------------------|--------------------------|---------------|------------------|----------------|
| 34 | 34 | 22 | 12 | 1440 | 0.0 | 8.5 km/hrs.(Avg) | SSE |

RESULT

| Sr. No. | Description | Unit | Results | CPCB standard | Test Method |
|---------|---|--------------------|---------|---------------|-------------------|
| 01 | Sulphur Dioxide (SO ₂) | µg/M ³ | 13.5 | ≤80 | IS 5182(Part 2) |
| 02 | Oxides of Nitrogen (NO ₂) | µg/M ³ | 19.0 | ≤ 80 | IS 5182(Part 6) |
| 03 | Particulate Matter PM ₁₀ micron | µg/M ³ | 68.3 | ≤ 100 | IS 5182 (Part 23) |
| 04 | Particulate Matter PM _{2.5} micron | µg/M ³ | 35.6 | ≤ 60 | USEPA 40 CFRCH |
| 05 | Ozone (O ₃) | µg/M ³ | 4.3 | ≤ 100 | IS 5182 |
| 06 | Lead (Pb) | µg/M ³ | BDL | ≤ 1.0 | APHA - AAS |
| 07 | Carbon Monoxide (CO) | mg/M ³ | 0.412 | ≤ 2.0 | IS 5182 |
| 08 | Ammonia (NH ₃) | µg/M ³ | 4.8 | ≤ 400 | APHA - 401 |
| 09 | Benzene (C ₆ H ₆) | µg/M ³ | BDL | ≤ 5 | IS 5182 |
| 10 | Benzo(a)Pyrene (BaP) | ng/ M ³ | BDL | ≤ 1 | IS 5182 |
| 11 | Arsenic (As) | ng/ M ³ | BDL | ≤ 6 | APHA - AAS |
| 12 | Nickel (Ni) | ng/ M ³ | BDL | ≤ 20 | APHA - AAS |

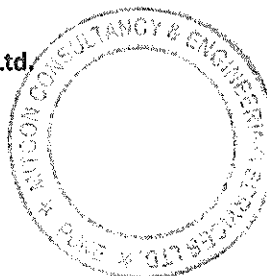
REMARKS/OBSERVATIONS:

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

For MITCON Consultancy & Engineering Services Ltd.


Checked By

(Mrs.Kadambari Deshmukh)





Authorized Signatory
Dr. Sandeep Jadhav
Senior vice president

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Format No. EME/LAB/Format 7.8/TR

Quarter January- February- March 2023

Test Report

Report Number : MITCON/2022-23/March/3411

Issue Date:20/03/2023

| | | |
|--|---------------------------|-----------------------------|
| Client's Name & Address | Reference No. | MITCON/2022-23/March/3411/6 |
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Date of Monitoring | 12/03/2023 |
| | Type of Monitoring | Ambient Air |
| | Test Location | Near Boiler House |
| | Monitoring Done By | MITCON |
| | Date of Analysis | 14/03/2023 |

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 |
|------------------|-------------------|-------------------|------------------------|--------------------------|---------------|-------------------|----------------|
| 34 | 34 | 22 | 12 | 1440 | 0.0 | 8.5 km/ hrs.(Avg) | SSE |

RESULT

| Sr. No. | Description | Unit | Results | CPCB standard | Test Method |
|---------|---|--------------------|---------|---------------|-------------------|
| 01 | Sulphur Dioxide (SO ₂) | µg/M ³ | 14.0 | ≤80 | IS:5182(Part 2) |
| 02 | Oxides of Nitrogen (NO ₂) | µg/M ³ | 19.2 | ≤ 80 | IS:5182(Part 6) |
| 03 | Particulate Matter PM ₁₀ micron | µg/M ³ | 73.8 | ≤ 100 | IS 5182 (Part 23) |
| 04 | Particulate Matter PM _{2.5} micron | µg/M ³ | 37.9 | ≤ 60 | USEPA 40 CFRCH |
| 05 | Ozone (O ₃) | µg/M ³ | 4.1 | ≤ 100 | IS 5182 |
| 06 | Lead (Pb) | µg/M ³ | BDL | ≤ 1.0 | APHA - AAS |
| 07 | Carbon Monoxide (CO) | mg/M ³ | 0.496 | ≤ 2.0 | IS 5182 |
| 08 | Ammonia (NH ₃) | µg/M ³ | 4.5 | ≤ 400 | APHA - 401 |
| 09 | Benzene (C ₆ H ₆) | µg/M ³ | BDL | ≤ 5 | IS 5182 |
| 10 | Benzo(a)Pyrene (BaP) | ng/ M ³ | BDL | ≤ 1 | IS 5182 |
| 11 | Arsenic (As) | ng/ M ³ | BDL | ≤ 6 | APHA - AAS |
| 12 | Nickel (Ni) | ng/ M ³ | BDL | ≤ 20 | APHA - AAS |

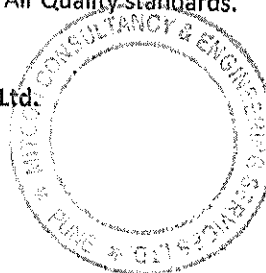
REMARKS/OBSERVATIONS:

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

For MITCON Consultancy & Engineering Services Ltd.

Kadambari
Checked By

(Mrs.Kadambari Deshmukh)



(Signature)

Authorized Signatory
Dr. Sandeep Jadhav
Senior vice president

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Format No. EME/LAB/Format 7.8/TR

Quarter January- February- March 2023

Test Report

Report Number : MITCON/2022-23/March/3411

Issue Date:20/03/2023

| | | |
|--|---------------------------|-----------------------------|
| Client's Name & Address | Reference No. | MITCON/2022-23/March/3411/7 |
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Date of Monitoring | 12/03/2023 |
| | Type of Monitoring | Ambient Air |
| | Test Location | Near Main Gate |
| | Monitoring Done By | MITCON |
| | Date of Analysis | 14/03/2023 |

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 |
|------------------|-------------------|-------------------|------------------------|--------------------------|---------------|-------------------|----------------|
| 34 | 34 | 22 | 12 | 1440 | 0.0 | 8.5 km/ hrs.(Avg) | SSE |

RESULT

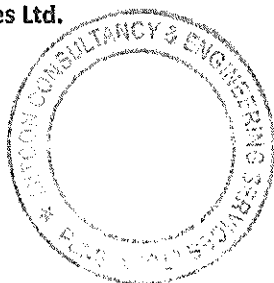
| Sr. No. | Description | Unit | Results | CPCB standard | Test Method |
|---------|---|--------------------|---------|---------------|-------------------|
| 01 | Sulphur Dioxide (SO ₂) | µg/M ³ | 15.0 | ≤80 | IS 5182(Part 2) |
| 02 | Oxides of Nitrogen (NO ₂) | µg/M ³ | 23.2 | ≤ 80 | IS 5182(Part 6) |
| 03 | Particulate Matter PM ₁₀ micron | µg/M ³ | 73.8 | ≤ 100 | IS 5182 (Part 23) |
| 04 | Particulate Matter PM _{2.5} micron | µg/M ³ | 37.9 | ≤ 60 | USEPA 40 CFRCH |
| 05 | Ozone (O ₃) | µg/M ³ | 6.0 | ≤ 100 | IS 5182 |
| 06 | Lead (Pb) | µg/M ³ | BDL | ≤ 1.0 | APHA - AAS |
| 07 | Carbon Monoxide (CO) | mg/M ³ | 0.547 | ≤ 2.0 | IS 5182 |
| 08 | Ammonia (NH ₃) | µg/M ³ | 6.3 | ≤ 400 | APHA - 401 |
| 09 | Benzene (C ₆ H ₆) | µg/M ³ | BDL | ≤ 5 | IS 5182 |
| 10 | Benzo(a)Pyrene (BaP) | ng/ M ³ | BDL | ≤ 1 | IS 5182 |
| 11 | Arsenic (As) | ng/ M ³ | 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.

Checked By
(Mrs.Kadambari Deshmukh)



Authorized Signatory
Dr. Sandeep Jadhav
Senior vice president

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Issue Date:20/03/2023

| | | |
|--|---------------------------|-----------------------------|
| Client's Name & Address | Reference No. | MITCON/2022-23/March/3411/8 |
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Date of Monitoring | 12/03/2023 |
| | Type of Monitoring | Ambient Air |
| | Test Location | Near ETP |
| | Monitoring Done By | MITCON |
| | Date of Analysis | 14/03/2023 |

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 |
|------------------|-------------------|-------------------|------------------------|--------------------------|---------------|-------------------|----------------|
| 34 | 34 | 22 | 12 | 1440 | 0.0 | 8.5 km/ hrs.(Avg) | SSE |

RESULT

| Sr. No. | Description | Unit | Results | CPCB standard | Test Method |
|---------|---|--------------------|---------|---------------|-------------------|
| 01 | Sulphur Dioxide (SO ₂) | µg/M ³ | 12.5 | ≤80 | IS 5182(Part 2) |
| 02 | Oxides of Nitrogen (NO ₂) | µg/M ³ | 18.9 | ≤ 80 | IS 5182(Part 6) |
| 03 | Particulate Matter PM ₁₀ micron | µg/M ³ | 65.7 | ≤ 100 | IS 5182 (Part 23) |
| 04 | Particulate Matter PM _{2.5} micron | µg/M ³ | 33.5 | ≤ 60 | USEPA 40 CFRCH |
| 05 | Ozone (O ₃) | µg/M ³ | 4.5 | ≤ 100 | IS 5182 |
| 06 | Lead (Pb) | µg/M ³ | BDL | ≤ 1.0 | APHA - AAS |
| 07 | Carbon Monoxide (CO) | mg/M ³ | 0.416 | ≤ 2.0 | IS 5182 |
| 08 | Ammonia (NH ₃) | µg/M ³ | 4.8 | ≤ 400 | APHA - 401 |
| 09 | Benzene (C ₆ H ₆) | µg/M ³ | BDL | ≤ 5 | IS 5182 |
| 10 | Benzo(a)Pyrene (BaP) | ng/ M ³ | BDL | ≤ 1 | IS 5182 |
| 11 | Arsenic (As) | ng/ M ³ | BDL | ≤ 6 | APHA - AAS |
| 12 | Nickel (Ni) | ng/ M ³ | BDL | ≤ 20 | APHA - AAS |

REMARKS/OBSERVATIONS:

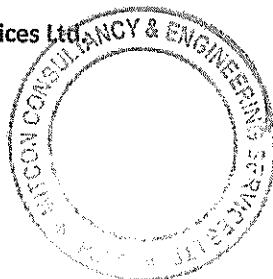
- All above results are within National Ambient Air Quality standards.
- BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Services Ltd.

Kadambari

Checked By

(Mrs.Kadambari Deshmukh)



(Signature)

Authorized Signatory

Dr. Sandeep Jadhav

Senior vice president

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MITCON Consultancy & Engineering Services Ltd.

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



Solutions for Sustainable Tomorrow

Format No. EME/LAB/Format 7.8/TR

Quarter January- February- March 2023**Test Report**

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Issue Date:20/03/2023

| | | |
|---|--------------------|-----------------------------|
| Client's Name & Address | Reference No. | MITCON/2022-23/March/3411/9 |
| M/s MOIL LIMITED, | Date of Monitoring | 12/03/2023 |
| Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Type of Monitoring | Ambient Noise |
| | Monitoring Done By | MITCON |

READINGS

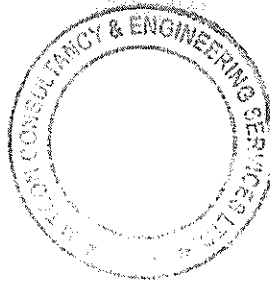
| Sr. No. | Test Location | Unit | Readings |
|---------|----------------|-------|----------|
| 01 | Near Plant | dB(A) | 58.9 |
| 02 | Near Office | dB(A) | 56.7 |
| 03 | Near Boiler | dB(A) | 69.8 |
| 04 | Near Rectifier | dB(A) | 71.3 |

REMARKS / OBSERVATIONS:

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

For MITCON Consultancy & Engineering Services Ltd.

Checked By
(Mrs. Kadambari Deshmukh)



Authorized Signatory
Dr. Sandeep Jadhav
(Senior Vice President)

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Issue Date:20/03/2023

| | | |
|--|--------------------|------------------------------|
| Client's Name & Address | Reference No. | MITCON/2022-23/March/3411/10 |
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Date of Monitoring | 12/03/2023 |
| | Type of Monitoring | Stack Monitoring |
| | Test Location | CFB Boiler Stack |
| | Monitoring Done By | MITCON Team |
| | Date of Analysis | 14/03/2023 |

RESULT

| Sr. No. | Description. | Unit | Stack #1 | Method for reference | Permissible limit of consent |
|---------|---------------------------------------|--------|------------|----------------------|------------------------------|
| 01 | Stack Attached to | - | CFB Boiler | - | - |
| 02 | Stack Height | m | 30 mtr | - | - |
| 03 | Area of stack | M2 | 0.28 | - | - |
| 04 | Ambient Temp. | °C | 34.0 | - | - |
| 05 | Flue gas temperature | °C | 143.0 | - | - |
| 06 | Flue gas Velocity | m/sec | 12.2 | - | - |
| 07 | Total Particulate Matter (TPM) | Mg/Nm3 | 78.3 | - | 150 |
| 08 | Sulphur Dioxide (SO ₂) | Kg/day | 32.8 | - | 75 |
| 09 | Oxides of Nitrogen (NO _x) | Mg/Nm3 | 4.3 | - | - |

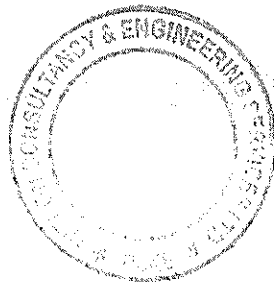
REMARKS/OBSERVATIONS:

- > BDL:- Below Detection Limit.

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs.Kadambari Deshmukh)



Authorized Signatory

Dr. Sandeep Jadhav

Senior vice president

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Test Report

Report Number : MITCON/2022-23/March/3411

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| Client's Name & Address | | Sample Details | |
|--|--|------------------------|-------------------------------|
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | | Sample Code | MITCON/2022-23/March/3411/1 |
| | | Name of Sample | Ground Water |
| | | Sample Details | Officer Colony Borewell water |
| | | Container Details | 1 lit plastic can |
| | | Sample Collected By | MITCON |
| | | Method of sampling | IS 3025(Part I) |
| | | Sample Collected On | 12/03/2023 |
| | | Date of Sample Receipt | 14/03/2023 |
| | | Analysis Start Date | 14/03/2023 |
| | | End Date of Analysis | 20/03/2023 |

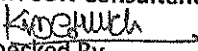
ANALYSIS RESULTS

| Sr. No. | Parameters | Results | Unit | Limits as per IS 10500:2012 | Test Methods |
|---------|---------------------------|-----------|-----------|-----------------------------|---|
| 01 | pH at 25C | 7.21 | - | 6.5 to 8.5 | APHA 4500 H+, A, 4-95, 23rd Ed 2017 |
| 02 | Total suspended solids | <5 | 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 | 232.7 | mg/l | ≤ 500 | APHA 2540 C, 2-69 to 2-70, 23rd Ed 2017 |
| 05 | Total Hardness as CaCO3 | 155.25 | mg/l | ≤200 | APHA 2340 C ,2-48 to 2-50,23rd Ed 2017 |
| 06 | Calcium as Ca | 41.27 | mg/l | ≤ 75 | APHA 3500 Ca B, 3-69 to 3-70 , 23rd Ed. 2017 |
| 07 | Magnesium as Mg | 23.26 | mg/l | ≤ 30 | APHA 3500 Mg B, 3-86 , 23rd Ed. 2017 |
| 08 | Manganese as mn | <0.1 | mg/l | < 0.1 | APHA 3111 B, 3-18 to 3-21 23rd Ed. 2017 |
| 09 | Total Alkalinity as CaCO3 | 141.25 | Mg/l | <200 | APHA 2320 B ,2-37 to 2-39 23rd Ed 2017 |
| 10 | Fluoride as F | < 0.1 | Mg/l | <1 | APHA 4500 F- D 4-90 to 4-9123rd Ed 2017 |
| 11 | Chloride as Cl | 23.25 | mg/l | ≤ 250 | APHA 4500 Cl, B, 4-75 to 4-76, 23rd Ed 2017 |
| 12 | Sulphate as SO4 | 18.72 | mg/l | ≤ 200 | APHA 4500 -SO4- -E, 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 | 10.20 | 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) |

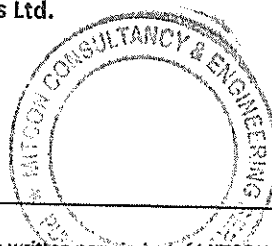
REMARKS / OBSERVATIONS:

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

For MITCON Consultancy & Engineering Services Ltd.

Checked By 

(Mrs. Kadambari Deshmukh)





Authorized Signatory

(Dr. Sandeep Jadhav)

Senior Vice President

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Test Report

Report Number : MITCON/2022-23/March/3411

Issue Date:20/03/2023

| Client's Name & Address | Sample Details | |
|---|------------------------|-----------------------------|
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Sample Code | MITCON/2022-23/March/3411/2 |
| | Name of Sample | Ground Water |
| | Sample Details | Plant Side Bore well |
| | Container Details | 1 lit plastic can |
| | Sample Collected By | MITCON |
| | Method of sampling | IS 3025(Part I) |
| | Sample Collected On | 12/03/2023 |
| | Date of Sample Receipt | 14/03/2023 |
| | Analysis Start Date | 14/03/2023 |
| | End Date of Analysis | 20/03/2023 |

ANALYSIS RESULTS

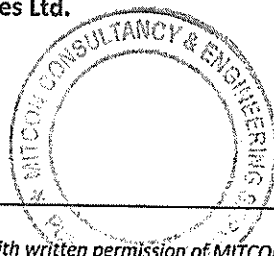
| Sr. No. | Parameters | Results | Unit | Limits as per IS 10500:2012 | Test Methods |
|---------|---------------------------|-----------|-----------|-----------------------------|---|
| 01 | pH at 25C | 7.26 | - | 6.5 to 8.5 | APHA 4500 H+, A, 4-95, 23rd Ed 2017 |
| 02 | Total suspended solids | <5 | 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 | 275.0 | mg/l | ≤ 500 | APHA 2540 C, 2-69 to 2-70, 23rd Ed 2017 |
| 05 | Total Hardness as CaCO3 | 135.75 | mg/l | ≤ 200 | APHA 2340 C, 2-48 to 2-50, 23rd Ed 2017 |
| 06 | Calcium as Ca | 52.42 | mg/l | ≤ 75 | APHA 3500 Ca B, 3-69 to 3-70, 23rd Ed. 2017 |
| 07 | Magnesium as Mg | 23.25 | mg/l | ≤ 30 | APHA 3500 Mg B, 3-86, 23rd Ed. 2017 |
| 08 | Manganese as mn | < 0.1 | mg/l | < 0.1 | APHA 3111 B, 3-18 to 3-21 23rd Ed. 2017 |
| 09 | Total Alkalinity as CaCO3 | 124.12 | Mg/l | <200 | APHA 2320 B, 2-37 to 2-39 23rd Ed 2017 |
| 10 | Fluoride as F | < 0.1 | Mg/l | <1 | APHA 4500 F- D 4-90 to 4-91 23rd Ed 2017 |
| 11 | Chloride as Cl | 52.12 | mg/l | ≤ 250 | APHA 4500 Cl, B, 4-75 to 4-76, 23rd Ed 2017 |
| 12 | Sulphate as SO4 | 28.16 | mg/l | ≤ 200 | APHA 4500-SO4 -E, 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 | 7.85 | 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:

For MITCON Consultancy & Engineering Services Ltd.

Checked By

(Mrs. Kadambari Deshmukh)



(Signature)

Authorized Signatory

(Dr.Sandeep Jadhav)

Senior Vice President

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| Client's Name & Address | Sample Details | |
|---|------------------------|-----------------------------|
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Sample Code | MITCON/2022-23/March/3411/3 |
| | Name of Sample | Waste water |
| | Sample Details | ETP Inlet |
| | Container Details | 1 lit plastic can |
| | Sample Collected By | MITCON |
| | Method of sampling | IS 3025(Part I) |
| | Sample Collected On | 12/03/2023 |
| | Date of Sample Receipt | 14/03/2023 |
| | Analysis Start Date | 14/03/2023 |
| | End Date of Analysis | 20/03/2023 |

ANALYSIS RESULTS

| Sr. No. | Characteristic | Results | Unit | Test Methods |
|---------|------------------------|---------|------|---|
| 01 | pH at 25°C | 6.04 | - | APHA 4500 H+ A, 4-95, 23rd Ed. 2017 |
| 02 | Dissolved Oxygen | 2.1 | mg/l | IS: 3025 Part 38 |
| 03 | Chemical Oxygen Demand | 314.5 | mg/l | APHA 5220 C,5-20 to 5-21 23 rd Ed 2017 |
| 04 | Biochemical Oxygen | 60.4 | mg/l | IS :3025 (Part 44) |
| 05 | Total suspended solids | 84.3 | mg/l | APHA 2540 D,2-70 to 2-71 23 rd Ed 2017 |
| 06 | Oil and grease | 11.4 | mg/l | APHA 5520 B,5-42 to 5-43 23 rd Ed 2017 |
| 07 | Manganese | 0.82 | mg/l | APHA 3111 B,3-18 to 3-21 23 rd Ed 2017 |

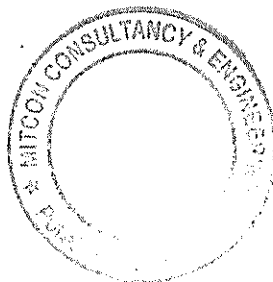
REMARKS / OBSERVATIONS:

For MITCON Consultancy & Engineering Services Ltd.

Kadambari

Checked By

(Mrs. Kadambari Deshmukh)



Authorized Signatory

(Dr. Sandeep Jadhav)

Senior Vice President

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MITCON Consultancy & Engineering Services Ltd.

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



Solutions for Sustainable Tomorrow

Format No. EME/LAB/Format 7.8/TR

Quarter January- February- March 2023**Test Report**

Report Number : MITCON/2022-23/March/3411

Issue Date:20/03/2023


| Client's Name & Address | Sample Details | |
|---|------------------------|-----------------------------|
| M/s MOIL LIMITED, Dongri Buzurg EMD Plant, , P.O. Dongri Buzurg, Tah. Tumsar, Distt. Bhandara – 441907 (M.S) | Sample Code | MITCON/2022-23/March/3411/4 |
| | Name of Sample | Waste water |
| | Sample Details | ETP outlet |
| | Container Details | 1 lit plastic can |
| | Sample Collected By | MITCON |
| | Method of sampling | IS 3025(Part I) |
| | Sample Collected On | 12/03/2023 |
| | Date of Sample Receipt | 14/03/2023 |
| | Analysis Start Date | 14/03/2023 |
| End Date of Analysis | 20/03/2023 | |

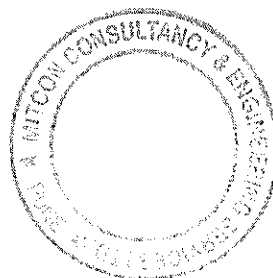
ANALYSIS RESULTS


| Sr. No. | Characteristic | Results | Unit | Permissible Limit as per Consent Condition | Test Methods |
|---------|------------------------|---------|------|--|---------------------------------------|
| 01 | pH at 25°C | 7.18 | - | 5.5 to 9.0 | APHA 4500 H+ A, 4-95, 23rd Ed. 2017 |
| 02 | Dissolved Oxygen | 3.2 | mg/l | — | IS: 3025 Part 38 |
| 03 | Chemical Oxygen Demand | 78.4 | mg/l | 250 | APHA 5220 C,5-20 to 5-21 23rd Ed 2017 |
| 04 | Biochemical Oxygen | 22.2 | mg/l | 30 | IS :3025 (Part 44) |
| 05 | Total suspended solids | 42.4 | mg/l | 100 | APHA 2540 D,2-70 to 2-71 23rd Ed 2017 |
| 06 | Oil and grease | 6.2 | mg/l | 10 | APHA 5520 B,5-42 to 5-43 23rd Ed 2017 |
| 07 | Manganese | 0.38 | 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

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