

# ENVIRONMENTAL MONITORING REPORT

|                  |                                                                |
|------------------|----------------------------------------------------------------|
| Project          | REDI IRON ORE MINE (Block -1)                                  |
| Location         | Redi Village<br>Vengurla Taluka, Sindudurg Dist<br>Maharashtra |
| Client           | M/s. GOGTE MINERALS                                            |
| Office Address   | BELAGAVI, KARNATAKA                                            |
| Monitoring Month | August -2026                                                   |

## ENVIRONMENTAL LABORATORY (Unit of Mineral Engineering Services LLP)

Recognised by MoEF&CC Under E(P) Act 1986

&

Accredited by NABL

#948, 2<sup>nd</sup> Cross, Kammanahalli Main Road,

St Thomas Town Post,

Bangalore- 560 084, Karnataka

### **LIST OF TABLES**

| <b>SL.<br/>NO.</b> | <b>PARTICULARS</b>                                                    | <b>TABLE NO.</b> |
|--------------------|-----------------------------------------------------------------------|------------------|
| 1                  | Test Report of Fugitive Emission                                      | 1                |
| 2                  | Test Report of Ambient Air Quality                                    | 2 to 8           |
| 3                  | Statistical Air Quality Data                                          | 9                |
| 4                  | Water Test Report As per Environmental (P) Rules, 1986<br>Schedule VI | 10 & 11          |
| 5                  | Surface Water Test Report As per IS 2296                              | 12               |
| 6                  | STP Water Test Report                                                 | 13               |



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No. 1

### Fugitive Emission

| Name of the Client                               | : M/s. Gogte Minerals                                                 |                     |                                                          |                                                           |                                          |                              |                                             |
|--------------------------------------------------|-----------------------------------------------------------------------|---------------------|----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------|------------------------------|---------------------------------------------|
| Name of the Project                              | : Redi Iron Ore Mine (203)                                            |                     |                                                          |                                                           |                                          |                              |                                             |
| Sample Collected by                              | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) |                     |                                                          |                                                           |                                          |                              |                                             |
| Duration                                         | : 08 Hrs                                                              |                     |                                                          |                                                           |                                          |                              |                                             |
| Issue Date                                       | : 04.09.2026                                                          |                     |                                                          |                                                           |                                          |                              |                                             |
| Code & Station                                   | Date of sample                                                        | Report no           | Sulphur Dioxide<br>(SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide<br>(NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub><br>(µg/m <sup>3</sup> ) | SPM<br>( µg/m <sup>3</sup> ) | Carbon Monoxide*<br>(CO), mg/m <sup>3</sup> |
| FA1- Near Dumping Area                           | August, 2026                                                          | No Mining Operation |                                                          |                                                           |                                          |                              |                                             |
| FA2 - Haulage road                               |                                                                       |                     |                                                          |                                                           |                                          |                              |                                             |
| FA3 - Near Loading Area                          |                                                                       |                     |                                                          |                                                           |                                          |                              |                                             |
| FA4 - Screening Area                             |                                                                       |                     |                                                          |                                                           |                                          |                              |                                             |
| Limits for Within in Mining Area Pollutant       |                                                                       |                     | SO <sub>2</sub>                                          | NO <sub>2</sub>                                           | RPM<br>(PM <sub>10</sub> )               | SPM<br>(PM)                  | CO                                          |
| Concentration in Ambient Air                     |                                                                       |                     | 120                                                      | 120                                                       | 250                                      | 500                          | 4                                           |
| Time Weighted Average                            |                                                                       |                     | 24 Hrs                                                   | 24 Hrs                                                    | 24 Hrs                                   | 24 Hrs                       | 1 Hr                                        |
| Note : * Parameters monitored for period of 1 hr |                                                                       |                     |                                                          |                                                           |                                          |                              |                                             |

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.  
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No.2

### AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals  
Name of the Project : Redi Iron Ore Mine (203)  
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)  
Code & Station : A1 - Core Zone Near Mine Office  
Duration : 24 Hrs  
Issue Date : 04.09.2026  
Sampling & Test Method : IS 5182 & Lab SOP

| Date of Sampling                                                    | Report No   | Sulphur Dioxide<br>(SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide<br>(NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub> ,<br>(µg/m <sup>3</sup> ) | PM <sub>2.5</sub> ,<br>(µg/m <sup>3</sup> ) | Ammonia<br>(NH <sub>3</sub> ), µg/m <sup>3</sup> | Benzene<br>(C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup> |
|---------------------------------------------------------------------|-------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------|---------------------------------------------|--------------------------------------------------|----------------------------------------------------------------|
| 07.08.2026                                                          | N020826082  | 10                                                       | 12                                                        | 28                                         | 15                                          | <20                                              | <1                                                             |
| 08.08.2026                                                          | N005826083  | 12                                                       | 16                                                        | 42                                         | 25                                          | <20                                              | <1                                                             |
| 10.08.2026                                                          | N013026083  | 11                                                       | 14                                                        | 40                                         | 22                                          | <20                                              | <1                                                             |
| 11.08.2026                                                          | N019726083  | 10                                                       | 12                                                        | 36                                         | 20                                          | <20                                              | <1                                                             |
| 17.08.2026                                                          | N004626084  | 12                                                       | 14                                                        | 30                                         | 16                                          | <20                                              | <1                                                             |
| 18.08.2026                                                          | N007226084  | 9                                                        | 11                                                        | 28                                         | 15                                          | <20                                              | <1                                                             |
| 24.08.2026                                                          | N0017626085 | 7                                                        | 9                                                         | 46                                         | 18                                          | <20                                              | <1                                                             |
| 25.08.2026                                                          | N0024426085 | 11                                                       | 14                                                        | 34                                         | 18                                          | <20                                              | <1                                                             |
| NAAQs Limits for Industrial ,<br>Residential, Rural and other Areas |             | 80<br>24 Hrs                                             | 80<br>24 Hrs                                              | 100<br>24 Hrs                              | 60<br>24 Hrs                                | 400<br>24 Hrs                                    | 5<br>Annual                                                    |

| Date of Sampling                                                    | Report No   | Lead (Pb),<br>µg/m <sup>3</sup> | Nickel (Ni),<br>ng/m <sup>3</sup> | Arsenic<br>(As),<br>ng/m <sup>3</sup> | Benzo(a)<br>Pyrene<br>(BaP),<br>ng/m <sup>3</sup> | Carbon<br>Monoxide*<br>(CO), mg/m <sup>3</sup> | Ozone*<br>(O <sub>3</sub> ), µg/m <sup>3</sup> |
|---------------------------------------------------------------------|-------------|---------------------------------|-----------------------------------|---------------------------------------|---------------------------------------------------|------------------------------------------------|------------------------------------------------|
| 07.08.2026                                                          | N020826082  | 0.22                            | <0.1                              | <0.5                                  | <0.5                                              | 0.25                                           | 27                                             |
| 08.08.2026                                                          | N005826083  | 0.14                            | <0.1                              | <0.5                                  | <0.5                                              | 0.25                                           | 23                                             |
| 10.08.2026                                                          | N013026083  | 0.23                            | <0.1                              | <0.5                                  | <0.5                                              | 0.21                                           | 22                                             |
| 11.08.2026                                                          | N019726083  | 0.19                            | <0.1                              | <0.5                                  | <0.5                                              | 0.18                                           | 18                                             |
| 17.08.2026                                                          | N004626084  | 0.25                            | <0.1                              | <0.5                                  | <0.5                                              | 0.24                                           | 22                                             |
| 18.08.2026                                                          | N007226084  | 0.18                            | <0.1                              | <0.5                                  | <0.5                                              | 0.14                                           | 26                                             |
| 24.08.2026                                                          | N0017626085 | 0.20                            | <0.1                              | <0.5                                  | <0.5                                              | 0.16                                           | 23                                             |
| 25.08.2026                                                          | N0024426085 | 0.24                            | <0.1                              | <0.5                                  | <0.5                                              | 0.33                                           | 25                                             |
| NAAQS Limits for Industrial ,<br>Residential, Rural and other Areas |             | 1.0<br>24 Hrs                   | 20<br>Annual                      | 6<br>Annual                           | 1<br>Annual                                       | 4<br>1 Hr                                      | 180<br>1 Hr                                    |

Note : \* Parameters monitored for period of 1 hr

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.  
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No.3

### AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals  
Name of the Project : Redi Iron Ore Mine (203)  
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)  
Code & Station : A2 - Redi village  
Duration : 24 Hrs  
Issue Date : 04.09.2026  
Sampling & Test Method : IS 5182 & Lab SOP

| Date of Sampling                                                 | Report No   | Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub> , (µg/m <sup>3</sup> ) | PM <sub>2.5</sub> , (µg/m <sup>3</sup> ) | Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup> | Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup> |
|------------------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------------|-------------------------------------------------------------|
| 07.08.2026                                                       | N020926082  | 8                                                     | 10                                                     | 28                                      | 15                                       | <20                                           | <1                                                          |
| 08.08.2026                                                       | N005926083  | 7                                                     | 9                                                      | 38                                      | 18                                       | <20                                           | <1                                                          |
| 10.08.2026                                                       | N013126083  | 9                                                     | 11                                                     | 36                                      | 20                                       | <20                                           | <1                                                          |
| 11.08.2026                                                       | N019826083  | 10                                                    | 13                                                     | 28                                      | 15                                       | <20                                           | <1                                                          |
| 17.08.2026                                                       | N004726084  | 5                                                     | 8                                                      | 26                                      | 16                                       | <20                                           | <1                                                          |
| 18.08.2026                                                       | N007326084  | 6                                                     | 9                                                      | 40                                      | 24                                       | <20                                           | <1                                                          |
| 24.08.2026                                                       | N0017726085 | 9                                                     | 12                                                     | 36                                      | 20                                       | <20                                           | <1                                                          |
| 25.08.2026                                                       | N0024526085 | 7                                                     | 9                                                      | 34                                      | 19                                       | <20                                           | <1                                                          |
| NAAQs Limits for Industrial , Residential, Rural and other Areas |             | 80<br>24 Hrs                                          | 80<br>24 Hrs                                           | 100<br>24 Hrs                           | 60<br>24 Hrs                             | 400<br>24 Hrs                                 | 5<br>Annual                                                 |

| Date of Sampling                                                 | Report No   | Lead (Pb), µg/m <sup>3</sup> | Nickel (Ni), ng/m <sup>3</sup> | Arsenic (As), ng/m <sup>3</sup> | Benzo(a) Pyrene (BaP), ng/m <sup>3</sup> | Carbon Monoxide* (CO), mg/m <sup>3</sup> | Ozone* (O <sub>3</sub> ), µg/m <sup>3</sup> |
|------------------------------------------------------------------|-------------|------------------------------|--------------------------------|---------------------------------|------------------------------------------|------------------------------------------|---------------------------------------------|
| 07.08.2026                                                       | N020926082  | 0.17                         | <0.1                           | <0.5                            | <0.5                                     | 0.19                                     | 25                                          |
| 08.08.2026                                                       | N005926083  | 0.21                         | <0.1                           | <0.5                            | <0.5                                     | 0.25                                     | 23                                          |
| 10.08.2026                                                       | N013126083  | 0.18                         | <0.1                           | <0.5                            | <0.5                                     | 0.21                                     | 22                                          |
| 11.08.2026                                                       | N019826083  | 0.23                         | <0.1                           | <0.5                            | <0.5                                     | 0.26                                     | 20                                          |
| 17.08.2026                                                       | N004726084  | 0.20                         | <0.1                           | <0.5                            | <0.5                                     | 0.21                                     | 18                                          |
| 18.08.2026                                                       | N007326084  | 0.13                         | <0.1                           | <0.5                            | <0.5                                     | 0.17                                     | 26                                          |
| 24.08.2026                                                       | N0017726085 | 0.15                         | <0.1                           | <0.5                            | <0.5                                     | 0.18                                     | 24                                          |
| 25.08.2026                                                       | N0024526085 | 0.19                         | <0.1                           | <0.5                            | <0.5                                     | 0.20                                     | 21                                          |
| NAAQS Limits for Industrial , Residential, Rural and other Areas |             | 1.0<br>24 Hrs                | 20<br>Annual                   | 6<br>Annual                     | 1<br>Annual                              | 4<br>1 Hr                                | 180<br>1 Hr                                 |

Note : \* Parameters monitored for period of 1 hr

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.  
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No. 4

### AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals  
Name of the Project : Redi Iron Ore Mine (203)  
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)  
Code & Station : A3 - Shiroda village  
Duration : 24 Hrs  
Issue Date : 04.09.2026

Sampling & Test Method : IS 5182 & Lab SOP

| Date of Sampling                                                | Report No   | Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub> , (µg/m <sup>3</sup> ) | PM <sub>2.5</sub> , (µg/m <sup>3</sup> ) | Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup> | Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup> |
|-----------------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------------|-------------------------------------------------------------|
| 07.08.2026                                                      | N021026082  | 7                                                     | 10                                                     | 42                                      | 26                                       | <20                                           | <1                                                          |
| 08.08.2026                                                      | N006026083  | 11                                                    | 15                                                     | 33                                      | 17                                       | <20                                           | <1                                                          |
| 10.08.2026                                                      | N013226083  | 9                                                     | 11                                                     | 28                                      | 22                                       | <20                                           | <1                                                          |
| 11.08.2026                                                      | N019926083  | 4                                                     | 7                                                      | 34                                      | 18                                       | <20                                           | <1                                                          |
| 17.08.2026                                                      | N004826084  | 6                                                     | 9                                                      | 40                                      | 22                                       | <20                                           | <1                                                          |
| 18.08.2026                                                      | N007426084  | 9                                                     | 12                                                     | 48                                      | 26                                       | <20                                           | <1                                                          |
| 24.08.2026                                                      | N0017826085 | 7                                                     | 9                                                      | 25                                      | 16                                       | <20                                           | <1                                                          |
| 25.08.2026                                                      | N0024626085 | 9                                                     | 11                                                     | 30                                      | 17                                       | <20                                           | <1                                                          |
| NAAQs Limits for Industrial, Residential, Rural and other Areas |             | 80<br>24 Hrs                                          | 80<br>24 Hrs                                           | 100<br>24 Hrs                           | 60<br>24 Hrs                             | 400<br>24 Hrs                                 | 5<br>Annual                                                 |

| Date of Sampling                                                | Report No   | Lead (Pb), µg/m <sup>3</sup> | Nickel (Ni), ng/m <sup>3</sup> | Arsenic (As), ng/m <sup>3</sup> | Benzo(a) Pyrene (BaP), ng/m <sup>3</sup> | Carbon Monoxide* (CO), mg/m <sup>3</sup> | Ozone* (O <sub>3</sub> ), µg/m <sup>3</sup> |
|-----------------------------------------------------------------|-------------|------------------------------|--------------------------------|---------------------------------|------------------------------------------|------------------------------------------|---------------------------------------------|
| 07.08.2026                                                      | N021026082  | 0.19                         | <0.1                           | <0.5                            | <0.5                                     | 0.22                                     | 22                                          |
| 08.08.2026                                                      | N006026083  | 0.25                         | <0.1                           | <0.5                            | <0.5                                     | 0.27                                     | 22                                          |
| 10.08.2026                                                      | N013226083  | 0.20                         | <0.1                           | <0.5                            | <0.5                                     | 0.23                                     | 23                                          |
| 11.08.2026                                                      | N019926083  | 0.18                         | <0.1                           | <0.5                            | <0.5                                     | 0.22                                     | 19                                          |
| 17.08.2026                                                      | N004826084  | 0.25                         | <0.1                           | <0.5                            | <0.5                                     | 0.27                                     | 20                                          |
| 18.08.2026                                                      | N007426084  | 0.23                         | <0.1                           | <0.5                            | <0.5                                     | 0.25                                     | 26                                          |
| 24.08.2026                                                      | N0017826085 | 0.20                         | <0.1                           | <0.5                            | <0.5                                     | 0.22                                     | 24                                          |
| 25.08.2026                                                      | N0024626085 | 0.14                         | <0.1                           | <0.5                            | <0.5                                     | 0.17                                     | 25                                          |
| NAAQS Limits for Industrial, Residential, Rural and other Areas |             | 1.0<br>24 Hrs                | 20<br>Annual                   | 6<br>Annual                     | 1<br>Annual                              | 4<br>1 Hr                                | 180<br>1 Hr                                 |

Note : \* Parameters monitored for period of 1 hr

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No.5

### AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals  
Name of the Project : Redi Iron Ore Mine (203)  
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)  
Code & Station : A4 - Gaontala village  
Duration : 24 Hrs  
Issue Date : 04.09.2026  
Sampling & Test Method : IS 5182 & Lab SOP

| Date of Sampling                                                 | Report No   | Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub> , (µg/m <sup>3</sup> ) | PM <sub>2.5</sub> , (µg/m <sup>3</sup> ) | Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup> | Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup> |
|------------------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------------|-------------------------------------------------------------|
| 05.08.2026                                                       | N011026082  | 9                                                     | 11                                                     | 42                                      | 22                                       | <20                                           | <1                                                          |
| 08.08.2026                                                       | N006126083  | 6                                                     | 9                                                      | 40                                      | 28                                       | <20                                           | <1                                                          |
| 10.08.2026                                                       | N013326083  | 5                                                     | 8                                                      | 37                                      | 21                                       | <20                                           | <1                                                          |
| 11.08.2026                                                       | N020026083  | 8                                                     | 10                                                     | 26                                      | 14                                       | <20                                           | <1                                                          |
| 17.08.2026                                                       | N004926084  | 4                                                     | 7                                                      | 34                                      | 16                                       | <20                                           | <1                                                          |
| 18.08.2026                                                       | N007526084  | 9                                                     | 12                                                     | 32                                      | 20                                       | <20                                           | <1                                                          |
| 24.08.2026                                                       | N0017926085 | 7                                                     | 9                                                      | 28                                      | 16                                       | <20                                           | <1                                                          |
| 25.08.2026                                                       | N0024726085 | 5                                                     | 6                                                      | 32                                      | 18                                       | <20                                           | <1                                                          |
| NAAQs Limits for Industrial , Residential, Rural and other Areas |             | 80<br>24 Hrs                                          | 80<br>24 Hrs                                           | 100<br>24 Hrs                           | 60<br>24 Hrs                             | 400<br>24 Hrs                                 | 5<br>Annual                                                 |

| Date of Sampling                                                 | Report No   | Lead (Pb), µg/m <sup>3</sup> | Nickel (Ni), ng/m <sup>3</sup> | Arsenic (As), ng/m <sup>3</sup> | Benzo(a) Pyrene (BaP), ng/m <sup>3</sup> | Carbon Monoxide* (CO), mg/m <sup>3</sup> | Ozone* (O <sub>3</sub> ), µg/m <sup>3</sup> |
|------------------------------------------------------------------|-------------|------------------------------|--------------------------------|---------------------------------|------------------------------------------|------------------------------------------|---------------------------------------------|
| 05.08.2026                                                       | N011026082  | 0.22                         | <0.1                           | <0.5                            | <0.5                                     | 0.24                                     | 24                                          |
| 08.08.2026                                                       | N006126083  | 0.13                         | <0.1                           | <0.5                            | <0.5                                     | 0.18                                     | 21                                          |
| 10.08.2026                                                       | N013326083  | 0.17                         | <0.1                           | <0.5                            | <0.5                                     | 0.19                                     | 18                                          |
| 11.08.2026                                                       | N020026083  | 0.15                         | <0.1                           | <0.5                            | <0.5                                     | 0.18                                     | 22                                          |
| 17.08.2026                                                       | N004926084  | 0.14                         | <0.1                           | <0.5                            | <0.5                                     | 0.16                                     | 27                                          |
| 18.08.2026                                                       | N007526084  | 0.12                         | <0.1                           | <0.5                            | <0.5                                     | 0.15                                     | 24                                          |
| 24.08.2026                                                       | N0017926085 | 0.11                         | <0.1                           | <0.5                            | <0.5                                     | 0.14                                     | 22                                          |
| 25.08.2026                                                       | N0024726085 | 0.16                         | <0.1                           | <0.5                            | <0.5                                     | 0.18                                     | 20                                          |
| NAAQS Limits for Industrial , Residential, Rural and other Areas |             | 1.0<br>24 Hrs                | 20<br>Annual                   | 6<br>Annual                     | 1<br>Annual                              | 4<br>1 Hr                                | 180<br>1 Hr                                 |

Note : \* Parameters monitored for period of 1 hr

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.  
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No. 6

### AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals  
Name of the Project : Redi Iron Ore Mine (203)  
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)  
Code & Station : A5 - Kanyalwadi village  
Duration : 24 Hrs  
Issue Date : 04.09.2026  
Sampling & Test Method : IS 5182 & Lab SOP

| Date of Sampling                                                | Report No   | Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub> , (µg/m <sup>3</sup> ) | PM <sub>2.5</sub> , (µg/m <sup>3</sup> ) | Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup> | Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup> |
|-----------------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------------|-------------------------------------------------------------|
| 05.08.2026                                                      | N011126082  | 7                                                     | 9                                                      | 30                                      | 22                                       | <20                                           | <1                                                          |
| 06.08.2026                                                      | N014226082  | 8                                                     | 10                                                     | 30                                      | 24                                       | <20                                           | <1                                                          |
| 12.08.2026                                                      | N023826083  | 6                                                     | 8                                                      | 26                                      | 15                                       | <20                                           | <1                                                          |
| 13.08.2026                                                      | N027026083  | 10                                                    | 12                                                     | 24                                      | 14                                       | <20                                           | <1                                                          |
| 19.08.2026                                                      | N011026084  | 10                                                    | 13                                                     | 42                                      | 26                                       | <20                                           | <1                                                          |
| 20.08.2026                                                      | N014626084  | 8                                                     | 10                                                     | 37                                      | 18                                       | <20                                           | <1                                                          |
| 26.08.2026                                                      | N0029426085 | 4                                                     | 6                                                      | 39                                      | 22                                       | <20                                           | <1                                                          |
| 26.08.2026                                                      | N0029526085 | 9                                                     | 11                                                     | 40                                      | 26                                       | <20                                           | <1                                                          |
| NAAQs Limits for Industrial, Residential, Rural and other Areas |             | 80<br>24 Hrs                                          | 80<br>24 Hrs                                           | 100<br>24 Hrs                           | 60<br>24 Hrs                             | 400<br>24 Hrs                                 | 5<br>Annual                                                 |

| Date of Sampling                                                | Report No   | Lead (Pb), µg/m <sup>3</sup> | Nickel (Ni), ng/m <sup>3</sup> | Arsenic (As), ng/m <sup>3</sup> | Benzo(a) Pyrene (BaP), ng/m <sup>3</sup> | Carbon Monoxide* (CO), mg/m <sup>3</sup> | Ozone* (O <sub>3</sub> ), µg/m <sup>3</sup> |
|-----------------------------------------------------------------|-------------|------------------------------|--------------------------------|---------------------------------|------------------------------------------|------------------------------------------|---------------------------------------------|
| 05.08.2026                                                      | N011126082  | 0.12                         | <0.1                           | <0.5                            | <0.5                                     | 0.21                                     | 20                                          |
| 06.08.2026                                                      | N014226082  | 0.20                         | <0.1                           | <0.5                            | <0.5                                     | 0.22                                     | 26                                          |
| 12.08.2026                                                      | N023826083  | 0.17                         | <0.1                           | <0.5                            | <0.5                                     | 0.20                                     | 22                                          |
| 13.08.2026                                                      | N027026083  | 0.12                         | <0.1                           | <0.5                            | <0.5                                     | 0.15                                     | 20                                          |
| 19.08.2026                                                      | N011026084  | 0.16                         | <0.1                           | <0.5                            | <0.5                                     | 0.19                                     | 23                                          |
| 20.08.2026                                                      | N014626084  | 0.15                         | <0.1                           | <0.5                            | <0.5                                     | 0.17                                     | 24                                          |
| 26.08.2026                                                      | N0029426085 | 0.14                         | <0.1                           | <0.5                            | <0.5                                     | 0.16                                     | 26                                          |
| 26.08.2026                                                      | N0029526085 | 0.22                         | <0.1                           | <0.5                            | <0.5                                     | 0.25                                     | 25                                          |
| NAAQS Limits for Industrial, Residential, Rural and other Areas |             | 1.0<br>24 Hrs                | 20<br>Annual                   | 6<br>Annual                     | 1<br>Annual                              | 4<br>1 Hr                                | 180<br>1 Hr                                 |

Note : \* Parameters monitored for period of 1 hr

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No.7

### AMBIENT AIR QUALITY

| Name of the Client : M/s. Gogte Minerals                                                     |             |                                                          |                                                           |                                            |                                             |
|----------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------|---------------------------------------------|
| Name of the Project : Redi Iron Ore Mine (203)                                               |             |                                                          |                                                           |                                            |                                             |
| Sample Collected by : Environmental Laboratory<br>(Unit of Mineral Engineering Services LLP) |             |                                                          |                                                           |                                            |                                             |
| Code & Station : A6 - Near NIMCO Gate - Tivrewadi, Redi village                              |             |                                                          |                                                           |                                            |                                             |
| Duration : 24 Hrs                                                                            |             |                                                          |                                                           |                                            |                                             |
| Issue Date : 04.09.2026                                                                      |             |                                                          |                                                           |                                            |                                             |
| Sampling & Test Method : IS 5182 & Lab SOP                                                   |             |                                                          |                                                           |                                            |                                             |
| Date of Sampling                                                                             | Report No   | Sulphur Dioxide<br>(SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide<br>(NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub> ,<br>(µg/m <sup>3</sup> ) | PM <sub>2.5</sub> ,<br>(µg/m <sup>3</sup> ) |
| 05.08.2026                                                                                   | N011226082  | 4                                                        | 6                                                         | 30                                         | 16                                          |
| 06.08.2026                                                                                   | N014326082  | 6                                                        | 8                                                         | 28                                         | 16                                          |
| 12.08.2026                                                                                   | N023926083  | 4                                                        | 7                                                         | 27                                         | 23                                          |
| 13.08.2026                                                                                   | N027126083  | 9                                                        | 11                                                        | 28                                         | 19                                          |
| 19.08.2026                                                                                   | N011126084  | 6                                                        | 8                                                         | 34                                         | 19                                          |
| 20.08.2026                                                                                   | N014726084  | 8                                                        | 9                                                         | 40                                         | 23                                          |
| 26.08.2026                                                                                   | N0029626085 | 5                                                        | 7                                                         | 26                                         | 15                                          |
| 26.08.2026                                                                                   | N0029726085 | 7                                                        | 10                                                        | 24                                         | 13                                          |
| NAAQS Limits for Industrial ,<br>Residential, Rural and other Areas                          |             | 80<br>24 Hrs                                             | 80<br>24 Hrs                                              | 100<br>24 Hrs                              | 60<br>24 Hrs                                |

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No. 8

### AMBIENT AIR QUALITY

| Name of the Client : M/s. Gogte Minerals                                                     |             |                                                          |                                                           |                                            |                                             |
|----------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------|---------------------------------------------|
| Name of the Project : Redi Iron Ore Mine (203)                                               |             |                                                          |                                                           |                                            |                                             |
| Sample Collected by : Environmental Laboratory<br>(Unit of Mineral Engineering Services LLP) |             |                                                          |                                                           |                                            |                                             |
| Code & Station : A7 - Near Primary School - sakalbhawadi Redi village                        |             |                                                          |                                                           |                                            |                                             |
| Duration : 24 Hrs                                                                            |             |                                                          |                                                           |                                            |                                             |
| Issue Date : 04.09.2026                                                                      |             |                                                          |                                                           |                                            |                                             |
| Sampling & Test Method : IS 5182 & Lab SOP                                                   |             |                                                          |                                                           |                                            |                                             |
| Date of Sampling                                                                             | Report No   | Sulphur Dioxide<br>(SO <sub>2</sub> ), µg/m <sup>3</sup> | Nitrogen Dioxide<br>(NO <sub>2</sub> ), µg/m <sup>3</sup> | PM <sub>10</sub> ,<br>(µg/m <sup>3</sup> ) | PM <sub>2.5</sub> ,<br>(µg/m <sup>3</sup> ) |
| 05.08.2026                                                                                   | N014426082  | 10                                                       | 12                                                        | 28                                         | 15                                          |
| 06.08.2026                                                                                   | N021126082  | 10                                                       | 12                                                        | 36                                         | 19                                          |
| 12.08.2026                                                                                   | N024026083  | 6                                                        | 8                                                         | 26                                         | 14                                          |
| 13.08.2026                                                                                   | N027226083  | 8                                                        | 9                                                         | 30                                         | 16                                          |
| 19.08.2026                                                                                   | N011226084  | 5                                                        | 7                                                         | 27                                         | 15                                          |
| 20.08.2026                                                                                   | N014826084  | 7                                                        | 9                                                         | 42                                         | 26                                          |
| 26.08.2026                                                                                   | N0029826085 | 9                                                        | 11                                                        | 32                                         | 17                                          |
| 26.08.2026                                                                                   | N0029926085 | 9                                                        | 10                                                        | 26                                         | 14                                          |
| NAAQS Limits for Industrial ,<br>Residential, Rural and other Areas                          |             | 80<br>24 Hrs                                             | 80<br>24 Hrs                                              | 100<br>24 Hrs                              | 60<br>24 Hrs                                |

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No. 9

### STATISTICAL AIR QUALITY DATA

| Name of the Client  | : M/s. Gogte Minerals                |                 |                  |                   |                         |                 |                  |                   |                      |                 |                  |                   |
|---------------------|--------------------------------------|-----------------|------------------|-------------------|-------------------------|-----------------|------------------|-------------------|----------------------|-----------------|------------------|-------------------|
| Name of the Project | : Redi Iron Ore Mine (203)           |                 |                  |                   |                         |                 |                  |                   |                      |                 |                  |                   |
| Month               | : August, 2026                       |                 |                  |                   |                         |                 |                  |                   |                      |                 |                  |                   |
| Code & Station      | A1 - A1 - Core Zone Near Mine Office |                 |                  |                   | A2 - Redi village       |                 |                  |                   | A3 - Shiroda village |                 |                  |                   |
|                     | SO <sub>2</sub>                      | NO <sub>2</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> | SO <sub>2</sub>         | NO <sub>2</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> | SO <sub>2</sub>      | NO <sub>2</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Min.                | 7                                    | 9               | 28               | 15                | 5                       | 8               | 26               | 15                | 4                    | 7               | 25               | 16                |
| 10%                 | 8                                    | 10              | 28               | 15                | 6                       | 9               | 27               | 15                | 5                    | 8               | 27               | 17                |
| 25%                 | 10                                   | 12              | 30               | 16                | 7                       | 9               | 28               | 16                | 7                    | 9               | 30               | 17                |
| 50%                 | 11                                   | 13              | 35               | 18                | 8                       | 10              | 35               | 19                | 8                    | 11              | 34               | 20                |
| 75%                 | 11                                   | 14              | 41               | 21                | 9                       | 11              | 37               | 20                | 9                    | 11              | 41               | 23                |
| 98%                 | 12                                   | 16              | 45               | 25                | 10                      | 13              | 40               | 23                | 11                   | 15              | 47               | 26                |
| Max.                | 12                                   | 16              | 46               | 25                | 10                      | 13              | 40               | 24                | 11                   | 15              | 48               | 26                |
| Avg.                | 10                                   | 13              | 36               | 19                | 8                       | 10              | 33               | 18                | 8                    | 11              | 35               | 21                |
| SD                  | 2                                    | 2               | 7                | 4                 | 2                       | 2               | 5                | 3                 | 2                    | 2               | 8                | 4                 |
| No. of obs          | 8                                    |                 |                  |                   | 8                       |                 |                  |                   | 8                    |                 |                  |                   |
| Code & Station      | A4 - Gaontala village                |                 |                  |                   | A5 - Kanyalwadi village |                 |                  |                   |                      |                 |                  |                   |
|                     | SO <sub>2</sub>                      | NO <sub>2</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> | SO <sub>2</sub>         | NO <sub>2</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |                      |                 |                  |                   |
| Min.                | 4                                    | 6               | 26               | 14                | 4                       | 6               | 24               | 14                |                      |                 |                  |                   |
| 10%                 | 5                                    | 7               | 27               | 15                | 5                       | 7               | 25               | 15                |                      |                 |                  |                   |
| 25%                 | 5                                    | 8               | 31               | 16                | 7                       | 9               | 29               | 17                |                      |                 |                  |                   |
| 50%                 | 7                                    | 9               | 33               | 19                | 8                       | 10              | 34               | 22                |                      |                 |                  |                   |
| 75%                 | 8                                    | 10              | 38               | 21                | 9                       | 11              | 39               | 25                |                      |                 |                  |                   |
| 98%                 | 9                                    | 12              | 42               | 27                | 10                      | 13              | 42               | 26                |                      |                 |                  |                   |
| Max.                | 9                                    | 12              | 42               | 28                | 10                      | 13              | 42               | 26                |                      |                 |                  |                   |
| Avg.                | 7                                    | 9               | 34               | 19                | 8                       | 10              | 34               | 21                |                      |                 |                  |                   |
| SD                  | 2                                    | 2               | 6                | 4                 | 2                       | 2               | 7                | 5                 |                      |                 |                  |                   |
| No. of obs          | 8                                    |                 |                  |                   | 8                       |                 |                  |                   |                      |                 |                  |                   |

*Arshiya Kousar*  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.  
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No.10

Table No. 1

|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| Name of the Client        | : M/s. Gogte Minerals                                                 |
| Name of the Project       | : Redi Iron Ore Mine (203)                                            |
| Location                  | : Redi village, Vengurla taluka,Sindhudurg dist,Maharashtra State.    |
| Sample Collected by       | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) |
| Nature of Sample          | : Surface Water                                                       |
| Sample Location           | : W1 - Pit water                                                      |
| Date of sample collection | : 07.08.2026                                                          |
| Date of sample receipt    | : 08.08.2026                                                          |
| Report No                 | : M003826082                                                          |
| Issue Date                | : 04.09.2026                                                          |
| Ref                       | : Environmental (P) Rules, 1986,SCHEDULE VI                           |

| Sl. No. | Sample code                                                        | W1                      | Standards For Effluent Discharge of Environmental Pollutants | Method of Testing            |
|---------|--------------------------------------------------------------------|-------------------------|--------------------------------------------------------------|------------------------------|
|         | Parameters                                                         | Results                 |                                                              |                              |
| 1       | Colour (Hazen Units), & Odour                                      | 15                      | --                                                           | IS:3025 (part-4)             |
| 2       | Suspended Solids (mg/l), Max                                       | 40                      | 100                                                          | IS 3025 (P-17) 2022          |
| 3       | Particle size of suspended solids                                  | Pass through 850 micron | Shall Pass through 850 micron                                | AOHA 23rd edition            |
| 4       | pH                                                                 | 6.77                    | 5.5 to 9.0                                                   | IS 3025 (P-11) 2022          |
| 5       | Temperature ° C                                                    | 27.8                    | Shall not exceed 5° C above the receiving water temp         | IS 3025 (Part 9) 2023        |
| 6       | Oil & Grrase (mg/l), Max                                           | <4 0                    | 10                                                           | IS 3025 (P-39) 2021          |
| 7       | Total Residual Chlorine (mg/l), Max                                | <0.1                    | 1.0                                                          | IS 3025 (P-26) 2021          |
| 8       | Ammonical Nitrogen (mg/l), Max                                     | <0.1                    | 50                                                           | IS 3025 (P-34 Sec 1 ) 2023   |
| 9       | Total Kjeldahl Nitrogen (mg/l), Max                                | <0.1                    | 100                                                          | IS 3025 (P-34 Sec 1 ) 2023   |
| 10      | Free Ammonia as NH <sub>3</sub> (mg/l), Max                        | <0.01                   | 5.0                                                          | IS 3025 (P-34 Sec 1 ) 2023   |
| 11      | BOD [3 days at 27 <sup>0</sup> C] (mg/l), Max                      | <3 0                    | 30                                                           | IS 3025 (Part 44) 2023       |
| 12      | COD (mg/l), Max                                                    | 20                      | 250                                                          | IS 3025 (Part 58) 2023       |
| 13      | Arsenic as As (mg/l), Max                                          | <0.05                   | 0.2                                                          | APHA 24th Ed.Method No.3030K |
| 14      | Mercury as Hg (mg/l), Max                                          | <0.001                  | 0 01                                                         | APHA 24th Ed.Method No.3030K |
| 15      | Lead as Pb (mg/l), Max                                             | <0.05                   | 0.1                                                          | APHA 24th Ed.Method No.3030K |
| 16      | Cadmium as Cd (mg/l), Max                                          | <0.01                   | 2.0                                                          | APHA 24th Ed.Method No.3030K |
| 17      | Hexavalent Chromium as Cr <sup>+6</sup> (mg/l), Max                | <0.03                   | 0 1                                                          | IS 3025 (P-52) 2014          |
| 18      | Total Chromium as Cr(mg/l), Max                                    | <0.01                   | 2.0                                                          | APHA 24th Ed.Method No.3030K |
| 19      | Copper as Cu (mg/l), Max                                           | <0.05                   | 3.0                                                          | APHA 24th Ed.Method No.3030K |
| 20      | Zinc as Zn (mg/l), Max                                             | <0.05                   | 5.0                                                          | APHA 24th Ed.Method No.3030K |
| 21      | Selenium as Se (mg/l), Max                                         | <0.1                    | 0.05                                                         | APHA 24th Ed.Method No.3030K |
| 22      | Nickel as Ni (mg/l), Max                                           | <0.05                   | 3.0                                                          | APHA 24th Ed.Method No.3030K |
| 23      | Cyanide as CN (mg/l), Max                                          | <0.01                   | 0.2                                                          | IS 3025 (P-27) Sec 1 2021    |
| 24      | Fluoride as F (mg/l), Max                                          | 0.2                     | 2.0                                                          | APHA 24th Edition 4500F      |
| 25      | Dissolved Phosphates as PO <sub>4</sub> (mg/l), Max                | <0.1                    | 5.0                                                          | IS 3025 (P-31) Sec 1 2022    |
| 26      | Sulphide as S (mg/l), Max                                          | <0.01                   | 2.0                                                          | IS 3025 (P-29) 2022          |
| 27      | Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH (mg/l), Max | <0.001                  | 1.0                                                          | IS 3025 (P-43) Sec 1 2022    |
| 28      | Manganese as Mn (mg/l), Max                                        | <0.01                   | 2                                                            | APHA 24th Ed.Method No.3030K |
| 29      | Iron as Fe (mg/l), Max                                             | <0.05                   | 3                                                            | APHA 24th Ed.Method No.3030K |
| 30      | Vanadium as V (mg/l), Max                                          | <0.01                   | 0.2                                                          | APHA 24th Ed.Method No.3030K |
| 31      | Nitrate Nitrogen (mg/l), Max                                       | 3.6                     | 10                                                           | IS 3025 (P-34) 1988 RA 2019  |

""END OF REPORT""

*Arshiya Kousar*  
ARSHIYA KOUSAR  
By TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No. 11

|                                 |                                                                    |                                                                       |            |                                                                               |
|---------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------|------------|-------------------------------------------------------------------------------|
| Name of the Client              |                                                                    | : M/s. Gogte Minerals                                                 |            |                                                                               |
| Name of the Project             |                                                                    | : Redi Iron Ore Mine (203)                                            |            |                                                                               |
| Location                        |                                                                    | : Redi village, Vengurla taluka, Sindhudurg dist, Maharashtra State.  |            |                                                                               |
| Particulars of sample collected |                                                                    | : W2 - Pit Discharge water, W3 - Runoff water from dump               |            |                                                                               |
| Sample Collected by             |                                                                    | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) |            |                                                                               |
| Date of sample collection       |                                                                    | : 07.08.2026                                                          |            |                                                                               |
| Date of sample receipt          |                                                                    | : 08.08.2026                                                          |            |                                                                               |
| Issue Date                      |                                                                    | : 04.09.2026                                                          |            |                                                                               |
| Ref                             |                                                                    | : Environmental (P) Rules, 1986 SCHEDULE VI                           |            |                                                                               |
| Report No                       |                                                                    | -                                                                     | M003926082 | Standards for Effluent                                                        |
| Sl. No.                         | Sample code                                                        | W2                                                                    | W3         | Discharge of Environmental Pollutants                                         |
|                                 | Parameters                                                         | Results                                                               |            | Method of Testing                                                             |
| 1                               | Colour (Hazen Units), & Odour                                      | 10                                                                    |            | IS:3025 (part-4)                                                              |
| 2                               | Suspended Solids (mg/l), Max                                       | 28                                                                    |            | IS 3025 (P-17) 2022                                                           |
| 3                               | Particle size of suspended solids                                  | Pass through 850 micron                                               |            | AOHA 23rd edition                                                             |
| 4                               | pH                                                                 | 6.50                                                                  |            | IS 3025 (P-11) 2022                                                           |
| 5                               | Temperature °C                                                     | 28                                                                    |            | Shall not exceed 5° C above the receiving water temp<br>IS 3025 (Part 9) 2023 |
| 6                               | Oil & Grase (mg/l), Max                                            | <4.0                                                                  |            | IS 3025 (P-39) 2021                                                           |
| 7                               | Total Residual Chlorine (mg/l), Max                                | <0.1                                                                  |            | IS 3025 (P-26) 2021                                                           |
| 8                               | Ammonical Nitrogen (mg/l), Max                                     | <0.1                                                                  |            | IS 3025 (P-34 Sec 1 ) 2023                                                    |
| 9                               | Total Kjeldahl Nitrogen (mg/l), Max                                | <0.1                                                                  |            | IS 3025 (P-34 Sec 1 ) 2023                                                    |
| 10                              | Free Ammonia as NH <sub>3</sub> (mg/l), Max                        | <0.01                                                                 |            | IS 3025 (P-34 Sec 1 ) 2023                                                    |
| 11                              | BOD [3 days at 27°C] (mg/l), Max                                   | <3.0                                                                  |            | IS 3025 (Part 44) 2023                                                        |
| 12                              | COD (mg/l), Max                                                    | 10                                                                    |            | IS 3025 (Part 58) 2023                                                        |
| 13                              | Arsenic as As (mg/l), Max                                          | <0.05                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 14                              | Mercury as Hg (mg/l), Max                                          | <0.001                                                                |            | APHA 24th Ed. Method No.3030K                                                 |
| 15                              | Lead as Pb (mg/l), Max                                             | <0.05                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 16                              | Cadmium as Cd (mg/l), Max                                          | <0.01                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 17                              | Hexavalent Chromium as Cr <sup>+6</sup> (mg/l), Max                | <0.03                                                                 |            | IS 3025 (P-52) 2014                                                           |
| 18                              | Total Chromium as Cr (mg/l), Max                                   | <0.01                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 19                              | Copper as Cu (mg/l), Max                                           | <0.05                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 20                              | Zinc as Zn (mg/l), Max                                             | <0.05                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 21                              | Selenium as Se (mg/l), Max                                         | <0.1                                                                  |            | APHA 24th Ed. Method No.3030K                                                 |
| 22                              | Nickel as Ni (mg/l), Max                                           | <0.05                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 23                              | Cyanide as CN (mg/l), Max                                          | <0.01                                                                 |            | IS 3025 (P-27) Sec 1 2021                                                     |
| 24                              | Fluoride as F (mg/l), Max                                          | 0.1                                                                   |            | APHA 24th Edition 4500F                                                       |
| 25                              | Dissolved Phosphates as PO <sub>4</sub> (mg/l), Max                | <0.1                                                                  |            | IS 3025 (P-31) Sec 1 2022                                                     |
| 26                              | Sulphide as S (mg/l), Max                                          | <0.01                                                                 |            | IS 3025 (P-29) 2022                                                           |
| 27                              | Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH (mg/l), Max | <0.001                                                                |            | IS 3025 (P-43) Sec 1 2022                                                     |
| 28                              | Manganese as Mn (mg/l), Max                                        | <0.01                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 29                              | Iron as Fe (mg/l), Max                                             | <0.05                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 30                              | Vanadium as V (mg/l), Max                                          | <0.01                                                                 |            | APHA 24th Ed. Method No.3030K                                                 |
| 31                              | Nitrate Nitrogen (mg/l), Max                                       | 1.8                                                                   |            | IS 3025 (P-34) 1988 RA 2019                                                   |

""END OF REPORT""

*Arushi K PUSAR*  
ARSHIYA K PUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No.12

|                                         |                                                                                                              |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Name of the Client                      | : M/s. Gogte Minerals                                                                                        |
| Name of the Project                     | : Redi Iron Ore Mine (203)                                                                                   |
| Location                                | : Redi village, Vengurla taluka, Sindhudurg dist, Maharashtra State.                                         |
| Sample Collected by                     | : Environmental Laboratory (Unit of Mineral Engineering Services LLP)                                        |
| Nature of Sample                        | : Surface Water                                                                                              |
| Sample Location                         | : SW1 - Kanyal tank water, SW2 - Nallah water Near Kanyalwadi<br>SW3- Near Hanuman temple Kanyalwadi village |
| Date of sample collection               | : 07.08.2026                                                                                                 |
| Date of sample receipt                  | : 08.08.2026                                                                                                 |
| Issue Date                              | : 04.09.2026                                                                                                 |
| Ref : IS : 2296 Water Quality Standards |                                                                                                              |

| Sl. No. | Report No                                                     | M004026082 | M004126082 | M004226082 | Limits     | Method of Testing               |
|---------|---------------------------------------------------------------|------------|------------|------------|------------|---------------------------------|
|         | Sample Code                                                   | SW1        | SW2        | SW3        |            |                                 |
|         | Parameters                                                    | Results    |            |            |            |                                 |
| 1       | Colour (Hazen Units)                                          | 5          | 15         | 5          | 300        | IS 3025 (Part 4) 2021           |
| 2       | pH                                                            | 6.61       | 6.58       | 6.55       | 6.5 to 8.5 | IS 3025 (Part 11) 2022          |
| 3       | Dissolved Oxygen (as O <sub>2</sub> ), mg/l                   | 5.70       | 5.40       | 5.50       | Min 4      | IS 3025 (Part 38):1989 RA 2019  |
| 4       | Biochemical Oxygen Demand (as O <sub>2</sub> ), mg/l          | <3         | <3         | <3         | Max 3      | IS 3025 (Part 44) 2023          |
| 5       | Total Coliform (MPN/100ml)                                    | 88         | 70         | 63         | 5000       | IS 15185 2016 RA 2021           |
| 6       | Total Dissolved Solids, (mg/l)                                | 179        | 326        | 252        | 1500       | IS 3025 (Part 16) 2023          |
| 7       | Chloride (as Cl),mg/l                                         | 50.00      | 125.00     | 95.00      | 600        | IS 3025 (Part 32) :1988 RA 2019 |
| 8       | Sulphates as SO <sub>4</sub> (mg/l)                           | 32.14      | 70.12      | 22.15      | 400        | APHA (24th Edition ):4110B      |
| 9       | Nitrates (as NO <sub>3</sub> ),mg/l                           | 0.13       | 0.34       | 0.37       | 50         | IS 3025 (Part 34-Sec1) 2023     |
| 10      | Fluoride (as F),mg/l                                          | <0.1       | <0.1       | <0.1       | 1.5        | IS 3025 (Part 60-Sec1) 2023     |
| 11      | Copper (as Cu),mg/l                                           | <0.0005    | <0.0005    | <0.0005    | 1.5        | IS 3025 (Part 65) 2022          |
| 12      | Iron (as Fe),mg/l                                             | <0.005     | <0.005     | <0.005     | 50         | IS 3025 (Part 65) 2022          |
| 13      | Zinc (as Zn),mg/l                                             | <0.005     | <0.005     | <0.005     | 15         | IS 3025 (Part 65) 2022          |
| 14      | Total Arsenic (as As), (mg/l)                                 | <0.0005    | <0.0005    | <0.0005    | 0.2        | IS 3025 (Part 65) 2022          |
| 15      | Lead (as Pb), mg/l                                            | <0.0005    | <0.0005    | <0.0005    | 0.1        | IS 3025 (Part 65) 2022          |
| 16      | Cadmium (as Cd), mg/l,                                        | <0.0005    | <0.0005    | <0.0005    | 0.01       | IS 3025 (Part 65) 2022          |
| 17      | Hexavalent Chromium (as Cr <sup>+6</sup> ),mg/l,              | <0.03      | <0.03      | <0.03      | 0.05       | IS 3025 (Part 52):2019 RA 2023  |
| 18      | Selenium (as Se), mg/l                                        | <0.0005    | <0.0005    | <0.0005    | 0.05       | IS 3025 (Part 65) 2022          |
| 19      | Cyanide (as CN), mg/l,                                        | <0.01      | <0.01      | <0.01      | 0.05       | IS 3025 (Part 27/Sec1) 2021     |
| 20      | Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH),mg/l | <0.001     | <0.001     | <0.001     | 0.005      | IS 3025 (Part 43/Sec1) 2022     |
| 21      | Anionic detergents (as MBAS),mg/l                             | <0.1       | <0.1       | <0.1       | 1.0        | IS 3025 (Part 68) 2023          |

Note : Class-C: Drinking water with conventional treatment followed by disinfection.

\*\*\*END OF REPORT\*\*\*

  
BINU MANI  
TM - Microbiology  
Govt Analyst/Authorised Signatory

  
ARSHIYA KOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



# ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory  
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2028

## TEST REPORT

Table No. 13

|                                 |                                                                    |                                 |           |                        |
|---------------------------------|--------------------------------------------------------------------|---------------------------------|-----------|------------------------|
| Name of the Client              |                                                                    | : M/s. Gogte Minerals           |           |                        |
| Name of the Project             |                                                                    | : Redi Iron Ore Mine (203)      |           |                        |
| Particulars of sample collected |                                                                    | : STP1 - Sewage Treatment Plant |           |                        |
| Date of sample collection       |                                                                    | : 07.08.2026                    |           |                        |
| Date of sample receipt          |                                                                    | : 08.08.2026                    |           |                        |
| Report no                       |                                                                    | : M003726082                    |           |                        |
| Issue Date                      |                                                                    | : 04.09.2026                    |           |                        |
| Ref                             |                                                                    | :Schedule -1 SI.No-2 of CTO     |           |                        |
| Sample code                     |                                                                    | STP1                            | Standards | Method of Testing      |
| Sl. No.                         | Parameters                                                         | Results                         |           |                        |
| 1                               | pH                                                                 | 6.92                            | -         | IS 3025 (P-11) 2022    |
| 2                               | Biochemical Oxygen Demand BOD <sub>3</sub> 27 <sup>0</sup> C, mg/l | 12                              | <100      | IS 3025 (Part 44) 2023 |
| 3                               | Total Suspended Solids, at 105 <sup>0</sup> C, mg/l                | 36                              | <100      | IS 3025 (P-17) 2022    |

*Arshiyakousar*  
ARSHIYAKOUSAR  
Dy TM - Chemical  
Govt Analyst/Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.  
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in