

ENVIRONMENTAL MONITORING REPORT

| | |
|------------------|---|
| Project | Ramanadurga Iron Ore Mine ML NO. 2141 |
| Location | Dharmapura Village, Sandur Taluk, Ballari District, Karnataka |
| Client | M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd., |
| Office Address | D. No. 462, SMIORE Colony, Near Fire Station, Kudligi Road Sandur – 583119, Bellary, Karnataka |
| Monitoring Month | March -2026 |

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

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

&

Accredited by NABL

#948, 2nd Cross, Kammanahalli Main Road,

St Thomas Town Post,

Bangalore- 560 084, Karnataka

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TEST REPORT

Table No. 1

AMBIENT AIR QUALITY

| Name of the Client | : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd | | | | |
|---|---|---|--|--|---|
| Name of the Project | : Ramanadurga Iron Ore Mine (ML No. 2141) | | | | |
| Location | : Dharmapura Village, Sandur Taluk, Ballari District, Karnataka | | | | |
| Sample Collected by | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) | | | | |
| Code & Station | : AI - Dharmapura | | | | |
| Duration | : 24 Hrs | | | | |
| Issue date | : 02.04.2026 | | | | |
| Sampling & Test Method | : IS : 5182 & Lab SOP | | | | |
| Date of Sampling | Report No | Sulphur Dioxide (SO ₂), µg/m ³ | Nitrogen Dioxide (NO ₂), µg/m ³ | Particulate Matter | |
| | | | | PM ₁₀ , (µg/m ³) | PM _{2.5} , (µg/m ³) |
| 06.03.2026 | N014426031 | 9 | 11 | 57 | 32 |
| 07.03.2026 | N004026032 | 12 | 15 | 35 | 22 |
| 13.03.2026 | N032126032 | 10 | 13 | 53 | 28 |
| 14.03.2026 | N001126033 | 9 | 15 | 58 | 33 |
| 16.03.2026 | N004926033 | 12 | 18 | 45 | 24 |
| 17.03.2026 | N009926033 | 9 | 13 | 55 | 32 |
| 25.03.2026 | N022426034 | 14 | 18 | 53 | 30 |
| 26.03.2026 | N025926034 | 9 | 11 | 47 | 27 |
| NAAQS Limits for Industrial , Residential, Rural and other Areas | | 80 24 Hrs | 80 24 Hrs | 100 24 Hrs | 60 24 Hrs |

Arshiya Kousar
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Table No. 2

AMBIENT AIR QUALITY

| Name of the Client | : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd | | | | |
|---|---|---|--|---|--|
| Name of the Project | : Ramanadurga Iron Ore Mine (ML No. 2141) | | | | |
| Location | : Dharmapura Village, Sandur Taluk, Ballari District, Karnataka | | | | |
| Sample Collected by | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) | | | | |
| Code & Station | : All - Yeshwanthanagar | | | | |
| Duration | : 24 Hrs | | | | |
| Issue date | : 02.04.2026 | | | | |
| Sampling & Test Method | : IS : 5182 & Lab SOP | | | | |
| Date of Sampling | Report No | Sulphur Dioxide (SO ₂), µg/m ³ | Nitrogen Dioxide (NO ₂), µg/m ³ | Particulate Matter | |
| | | | | PM ₁₀ , (µg/m ³) | PM _{2.5} , (µg/m ³) |
| 06.03.2026 | N013426031 | 9 | 15 | 43 | 25 |
| 07.03.2026 | N003126032 | 13 | 18 | 50 | 31 |
| 09.03.2026 | N010926032 | 11 | 14 | 47 | 29 |
| 10.03.2026 | N017626032 | 15 | 19 | 54 | 30 |
| 20.03.2026 | N019626033 | 12 | 16 | 59 | 33 |
| 21.03.2026 | N001326034 | 9 | 11 | 46 | 23 |
| 23.03.2026 | N007426034 | 11 | 15 | 52 | 28 |
| 24.03.2026 | N015126034 | 10 | 13 | 56 | 30 |
| NAAQS Limits for Industrial , Residential, Rural and other Areas | | 80 24 Hrs | 80 24 Hrs | 100 24 Hrs | 60 24 Hrs |

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Table No. 3

AMBIENT AIR QUALITY

| | |
|-----------------------------------|---|
| Name of the Client | : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd |
| Name of the Project | : Ramanadurga Iron Ore Mine (ML No. 2141) |
| Location | : Dharmapura Village, Sandur Taluk, Ballari District, Karnataka |
| Sample Collected by | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) |
| Code & Station | : AIII - Sushila Nagar village |
| Duration | : 24 Hrs |
| Issue date | : 02.04.2026 |
| Sampling & Test Method | : IS : 5182 & Lab SOP |

| Date of Sampling | Report No | Sulphur Dioxide (SO ₂), µg/m ³ | Nitrogen Dioxide (NO ₂), µg/m ³ | Particulate Matter | |
|---|------------|---|--|---|--|
| | | | | PM ₁₀ , (µg/m ³) | PM _{2.5} , (µg/m ³) |
| 06.03.2026 | N004226031 | 12 | 15 | 56 | 32 |
| 07.03.2026 | N004226032 | 10 | 13 | 44 | 24 |
| 09.03.2026 | N011226032 | 9 | 11 | 50 | 30 |
| 10.03.2026 | N017926032 | 14 | 18 | 48 | 27 |
| 18.03.2026 | N014226033 | 11 | 13 | 40 | 25 |
| 19.03.2026 | N016526033 | 10 | 16 | 58 | 33 |
| 25.03.2026 | N022626034 | 9 | 11 | 55 | 30 |
| 26.03.2026 | N026126034 | 10 | 12 | 45 | 26 |
| NAAQS Limits for Industrial , Residential, Rural and other Areas | | 80 24 Hrs | 80 24 Hrs | 100 24 Hrs | 60 24 Hrs |

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TEST REPORT

Table No. 4

AMBIENT AIR QUALITY

| Name of the Client | : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd | | | | |
|---|---|---|--|---|--|
| Name of the Project | : Ramanadurga Iron Ore Mine (ML No. 2141) | | | | |
| Location | : Dharmapura Village, Sandur Taluk, Ballari District, Karnataka | | | | |
| Sample Collected by | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) | | | | |
| Code & Station | : AIV - Sandur | | | | |
| Duration | : 24 Hrs | | | | |
| Issue date | : 02.04.2026 | | | | |
| Sampling & Test Method : IS : 5182 & Lab SOP | | | | | |
| Date of Sampling | Report No | Sulphur Dioxide (SO ₂), µg/m ³ | Nitrogen Dioxide (NO ₂), µg/m ³ | Particulate Matter | |
| | | | | PM ₁₀ , (µg/m ³) | PM _{2.5} , (µg/m ³) |
| 04.03.2026 | N008026031 | 13 | 18 | 56 | 33 |
| 05.03.2026 | N012226031 | 9 | 15 | 59 | 34 |
| 11.03.2026 | N026826032 | 10 | 14 | 53 | 26 |
| 12.03.2026 | N031126032 | 9 | 12 | 50 | 30 |
| 20.03.2026 | N025126033 | 14 | 19 | 55 | 31 |
| 21.03.2026 | N006226034 | 12 | 17 | 49 | 28 |
| 25.03.2026 | N024926034 | 11 | 13 | 52 | 29 |
| 26.03.2026 | N028426034 | 13 | 16 | 54 | 24 |
| NAAQS Limits for Industrial , Residential, Rural and other Areas | | 80 24 Hrs | 80 24 Hrs | 100 24 Hrs | 60 24 Hrs |

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Table No. 5

AMBIENT AIR QUALITY

| | |
|------------------------|---|
| Name of the Client | : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd |
| Name of the Project | : Ramanadurga Iron Ore Mine (ML No. 2141) |
| Location | : Dharmapura Village, Sandur Taluk, Ballari District, Karnataka |
| Sample Collected by | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) |
| Code & Station | : AV - Core zone Within ML Area |
| Duration | : 24 Hrs |
| Issue date | : 02.04.2026 |
| Sampling & Test Method | : IS : 5182 & Lab SOP |

| Date of Sampling | Report No | Sulphur Dioxide (SO ₂), µg/m ³ | Nitrogen Dioxide (NO ₂), µg/m ³ | Particulate Matter | |
|--|------------|---|--|---|--|
| | | | | PM ₁₀ , (µg/m ³) | PM _{2.5} , (µg/m ³) |
| 06.03.2026 | N014626031 | 9 | 11 | 48 | 27 |
| 07.03.2026 | N004326032 | 11 | 13 | 51 | 29 |
| 09.03.2026 | N011326032 | 14 | 18 | 58 | 33 |
| 10.03.2026 | N018026032 | 11 | 15 | 55 | 29 |
| 16.03.2026 | N005326033 | 9 | 11 | 49 | 27 |
| 17.03.2026 | N010126033 | 10 | 16 | 40 | 22 |
| 25.03.2026 | N022726034 | 12 | 48 | 53 | 28 |
| 26.03.2026 | N026226034 | 9 | 13 | 44 | 25 |
| NAAQS Limits for Industrial , Residential, Rural and other Areas | | 80 24 Hrs | 80 24 Hrs | 100 24 Hrs | 60 24 Hrs |

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Table No. 6

Fugitive Emission

| Name of the Client | : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd | | |
|---|--|------------|--|
| Name of the Project | : Ramanadurga Iron Ore Mine (ML No. 2141) | | |
| Location | : Dharmapura Village, Sandur Taluk, Ballari District, Karnataka | | |
| Sample Collected by | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) | | |
| Duration | : 08 Hrs | | |
| Issue Date | : 02.04.2026 | | |
| Code & Station | Date of sample | Report No | Particulate mater ($\mu\text{g}/\text{m}^3$) |
| FE1 - Loading point | 06.03.2026 | N014726031 | 355 |
| | 09.03.2026 | N011426032 | 396 |
| FE2 - Crushing & Screening | 07.03.2026 | N004426032 | 485 |
| | 10.03.2026 | N018126032 | 396 |
| FE3 - Dumping point | 06.03.2026 | N014826031 | 456 |
| | 09.03.2026 | N011526032 | 423 |
| FE4 - Haulage Road | 07.03.2026 | N004526032 | 463 |
| | 10.03.2026 | N018226032 | 475 |
| Ref : As per CFO in Annexure - II issued KSPCB | | | |
| Permissible limits for Fugitive Emissions | | | Particulate Mater ($\mu\text{g}/\text{m}^3$) 600 $\mu\text{g}/\text{m}^3$ |

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Table No. 7

STATISTICAL AIR QUALITY DATA

| | | | | | | | | | | | | |
|---|-------------------|-----------------|------------------|-------------------|-------------------------------|-----------------|------------------|-------------------|------------------------------|-----------------|------------------|-------------------|
| Name of the Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd | | | | | | | | | | | | |
| Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141) | | | | | | | | | | | | |
| Month : March, 2026 | | | | | | | | | | | | |
| | AI - Dharmapura | | | | All - Yeshwanthanagar | | | | AIII - Sushila Nagar village | | | |
| | SO ₂ | NO ₂ | PM ₁₀ | PM _{2.5} | SO ₂ | NO ₂ | PM ₁₀ | PM _{2.5} | SO ₂ | NO ₂ | PM ₁₀ | PM _{2.5} |
| Min. | 9 | 11 | 35 | 22 | 9 | 11 | 43 | 23 | 9 | 11 | 40 | 24 |
| 10% | 9 | 11 | 42 | 23 | 9 | 12 | 45 | 24 | 9 | 11 | 43 | 25 |
| 25% | 9 | 13 | 47 | 26 | 10 | 14 | 47 | 27 | 10 | 12 | 45 | 26 |
| 50% | 10 | 14 | 53 | 29 | 11 | 15 | 51 | 29 | 10 | 13 | 49 | 29 |
| 75% | 12 | 16 | 56 | 32 | 12 | 17 | 55 | 30 | 11 | 15 | 55 | 31 |
| 98% | 14 | 18 | 58 | 33 | 15 | 19 | 59 | 33 | 14 | 18 | 58 | 33 |
| Max. | 14 | 18 | 58 | 33 | 15 | 19 | 59 | 33 | 14 | 18 | 58 | 33 |
| Avg. | 11 | 14 | 50 | 29 | 11 | 15 | 51 | 29 | 11 | 14 | 50 | 28 |
| SD | 2 | 3 | 8 | 4 | 2 | 3 | 5 | 3 | 2 | 3 | 6 | 3 |
| No. of obs | 8 | | | | 8 | | | | 8 | | | |
| | AIV - Sandur Town | | | | AV - Core zone Within ML Area | | | | | | | |
| | SO ₂ | NO ₂ | PM ₁₀ | PM _{2.5} | SO ₂ | NO ₂ | PM ₁₀ | PM _{2.5} | | | | |
| Min. | 9 | 12 | 49 | 24 | 9 | 11 | 40 | 22 | | | | |
| 10% | 9 | 13 | 50 | 25 | 9 | 11 | 43 | 24 | | | | |
| 25% | 10 | 14 | 52 | 28 | 9 | 13 | 47 | 27 | | | | |
| 50% | 12 | 16 | 54 | 30 | 11 | 14 | 50 | 28 | | | | |
| 75% | 13 | 17 | 55 | 32 | 11 | 17 | 54 | 29 | | | | |
| 98% | 14 | 19 | 59 | 34 | 14 | 44 | 58 | 32 | | | | |
| Max. | 14 | 19 | 59 | 34 | 14 | 48 | 58 | 33 | | | | |
| Avg. | 11 | 16 | 54 | 29 | 11 | 18 | 50 | 28 | | | | |
| SD | 2 | 2 | 3 | 3 | 2 | 12 | 6 | 3 | | | | |
| No. of obs | 8 | | | | 8 | | | | | | | |

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TEST REPORT

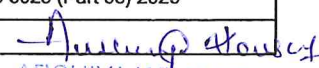
Table No.8

| | |
|---|---|
| Name of the Client | : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd |
| Name of the Project | : Ramanadurga Iron Ore Mine (ML No. 2141) |
| Location | : Dharmapura Village, Sandur Taluk, Ballari District, Karnataka |
| Sample Collected by | : Environmental Laboratory (Unit of Mineral Engineering Services LLP) |
| Nature of sample | : Surface water |
| Sample Location | : SW1 - Nari Halla Up Stream water, SW2 - Nari Halla Down Stream water |
| Date of sample collection | : 10.03.2026 |
| Issue Date | : 02.04.2026 |
| Ref : IS : 2296 Water Quality Standards | |

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

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


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