

The Sandur Manganese & Iron Ores Limited

0/c

(An ISO 9001:2015; ISO 14001:2015 and 45001:2018 certified company)
CIN: L85110KA1954PLC000759; Website: www.sandurgroup.com

REGISTERED OFFICE

'SATYALAYA', No.266
Ward No.1, Palace Road
Sandur - 583 119, Ballari District
Karnataka, India
Tel: +91 8395 260301/ 283173-199
Fax: +91 8395 260473



CORPORATE OFFICE

'SANDUR HOUSE', No.9
Bellary Road, Sadashivanagar
Bengaluru - 560 080
Karnataka, India
Tel: +91 80 4152 0176 - 79 / 4547 3000
Fax: +91 80 4152 0182

No: SMIORE/MN/070426/2679/33

07 April 2026

The Environmental Officer,
Karnataka State Pollution Control Board,
Ward No.25, 4th Main Road,
Kuvempu Nagar,
Ballari - 583104

Dear Sir,

Sub: Submission of quarterly report pertaining to monitoring of environmental parameters in respect of Mining Lease No. 2679.

- Ref: 1. Environmental Clearance No.110015/88/2006-IA. II(M) dated 24 January 2007.
2. Consent for Operation No. AW-337273 dated 10 April 2023.
3. Consent for Operation No. AW-348553 dated 29 April 2025.
4. Consent for Operation No. AW-351293 dated 12 November 2025.

With reference to the letter cited above, we are enclosing herewith quarterly environmental monitoring reports (January 2026 to March 2026) from NABET accredited and MoEFCC empaneled Third Party laboratory M/s Mineral Engineering Services as per the stipulated environmental parameters in Environmental Clearance and Consent for Operation-Expansion respect of Mining Lease No. 2679 of Ramghad Manganese & Iron Ore Mine The Sandur Manganese & Iron Ores Limited.

Kindly request you to acknowledge the receipt of the reports.

Thank you,
for The Sandur Manganese & Iron Ores Limited.,

Parthipan P
Sr. General Manager & Agent



Encl: Monitoring Reports

- Cc: 1. The Member Secretary, Karnataka State Pollution Control Board, Bengaluru.
2. Integrated Regional Office, MoEF&CC, Bengaluru.

MINES OFFICE: Deogiri - 583112, Sandur Taluk, Ballari District
Tel: +91 8395 271025 / 28 / 29 / 40; Fax: +91 8395 271066

PLANT OFFICE: Metal & Ferroalloy Plant, Vyasankere, Mariyammanahalli - 583 222, Hosapete Taluk, Ballari District
Tel: +91 8394 244450 / 244335

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Karnataka State Pollution Control Board,
Ward No.25, 4th Main Road,
Kuvempu Nagar,
Ballari - 583104

Dear Sir,

K/A : Sr. Environmental officer

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Sr. General Manager & Agent



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Tel: +91 8394 244450 / 244335



Quarterly Monitoring Reports of Mining Lease No 2679 of The Sandur Manganese & Iron Ores Limited

From EPS <eps@sandurgroup.com>

Date Fri 4/10/2026 1:21 PM

To Env Section Regional Office Bengaluru <rosz.bng-mefcc@gov.in>

Cc Parthipan <Parthipan.p@sandurgroup.com>; Environment <environment@sandurgroup.com>

📎 1 attachment (8 MB)

2679 Quarterly Monitoring Report IRO, MoEF&CC.pdf;

Dear Madam

Please find herewith attached Quarterly Monitoring Reports (January 2026-March 2026) in respect of Mining Lease No 2679 of The Sandur Manganese & Iron Ores Limited for your kind perusal and needful please.

With Regards

	<p>The Sandur Manganese & Iron Ores Limited 'SATYALAYA', Door No.266 (OLD NO.80), Behind Taluka Office, Ward No.1, Palace Road, Sandur -583 119, Ballari District, Karnataka, India</p> <p>Phone 91-8395-283118 www.sandurgroup.com Email : eps@sandurgroup.com</p> <p>  </p>
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National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**ENVIRONMENTAL LABORATORY (UNIT OF MINERAL
ENGINEERING SERVICES LLP)**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

#948,2ND CROSS, ST.THOMAS TOWN POST,KAMMANAHALLI MAIN ROAD, BENGALURU, BENGALURU
URBAN, KARNATAKA, INDIA

in the field of

TESTING

Certificate Number: TC-6172

Issue Date: 24/05/2025

Valid Until: 23/05/2027

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: MINERAL ENGINEERING SERVICES LLP

Signed for and on behalf of NABL



Anuja
Anuja Anand
Director

N. Venkateswaran
N. Venkateswaran
Chief Executive Officer



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

12th June 2025

F. No. LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./-554

Recognition Letter

To,
The Head of Laboratory,
M/s Environmental Laboratory (Unit of Mineral Engineering Services),
948 2nd Cross St Thomas Town Post,
Kammanahalli, Bengaluru-560084,
Karnataka.

Subject: Recognition of M/s Environmental Laboratory (Unit of Mineral Engineering Services), 948 2nd Cross St Thomas Town Post, Kammanahalli, Bengaluru-560084, Karnataka as Environmental laboratory under the Environmental (Protection) Act- 1986- reg.

Sir,

With reference to your application dated 19/03/2025 along with acceptance of the terms & conditions of the guidelines for recognition of environmental laboratories under the Environmental (Protection) Act, 1986, submitted to Central Pollution Control Board (CPCB), the Competent Authority of CPCB has accorded approval for renewal of recognition of Environmental laboratory and Govt. Analysts. Subsequently, M/s Environmental Laboratory (Unit of Mineral Engineering Services), 948 2nd Cross St Thomas Town Post, Kammanahalli, Bengaluru-560084, Karnataka shall be notified considering the current requirement of mandatory accreditation / certifications of the laboratory with a validity up to 23/05/2028 (for three years), subject to validity of ISO/IEC 17025 and IS/ISO 45001.

2. The following analysts have been approved as Government Analysts:

1. Sh. M. Sachin Raju
2. Smt. Arshiya Kousar
3. Smt. Binu Mani

3. The laboratory should compulsorily follow the accepted terms and conditions and may undertake the following tests:

- a) **Physical Tests:** Conductivity, Colour, pH, Fixed & Volatile Solids, Total Solids, Total Dissolved Solids, Total Suspended Solids, Turbidity, Temperature, Velocity & Discharge Measurement of Industrial Effluent Stream, Flocculation Test (Jar Test), Odour, Salinity, Settleable Solids and Sludge Volume Index (SVI).
- b) **Inorganic (General and Non-metallic):** Acidity, Alkalinity, Ammonical Nitrogen, Chloride, Chlorine Residual, Dissolved Oxygen, Fluoride, Total Hardness, Total Kjeldahl Nitrogen (TKN), Nitrite Nitrogen, Nitrate Nitrogen, Phosphate, Sulphate, Cyanide, Silica and Sulphide.
- c) **Inorganic (Trace Metals):** Boron, Cadmium, Calcium, Total Chromium, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio (SAR), Zinc, Arsenic, Aluminium, Antimony, Barium, Cobalt, Selenium, Silver, Tin and Vanadium.
- d) **Organics (General) and Trace Organics:** Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenolic Compounds, Pesticides (each) (Organo-Chlorine and Organo Nitrogen-Phosphorus), Poly-Chlorinated Biphenyl (PCB's) each, Polynuclear Aromatic Hydrocarbon (PAH), Surfactants and Tannin & Lignin.
- e) **Microbiological Test:** Total Coliform, Faecal Coliform, *E. coli*, Faecal Streptococci and Total Plate Count.
- f) **Toxicological Tests:** Bioassay Method for Evaluation of Toxicity Using Fish (90% survival of fish after 96 hrs in 100% effluent) and Measurement of toxicity using Daphnia or other organism.

contd.

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

फा. सं. एलबी-2021/7/99/इंस्टलैब-एचओ-सीपीसीबी-एचओ / प्राइवेट / 554

मान्यता पत्र

सेवा में,

प्रयोगशाला प्रमुख,
मैसर्स एनवायरनमेंटल लैबोरेटरी (यूनिट ऑफ मिनरल इंजीन्यरिंग सर्विसेस एलएलपी),
948 दूसरी क्रॉस सेंट थॉमस टाउन पोस्ट,
कम्पनहल्ली, बेंगलुरु-560084,
कर्नाटक।

विषय: पर्यावरण (संरक्षण) अधिनियम, 1986 के अंतर्गत पर्यावरणीय प्रयोगशाला के रूप में मैसर्स एनवायरनमेंटल लैबोरेटरी (यूनिट ऑफ मिनरल इंजीन्यरिंग सर्विसेस एलएलपी), 948 दूसरी क्रॉस सेंट थॉमस टाउन पोस्ट, कम्पनहल्ली, बेंगलुरु-560084, कर्नाटक की मान्यता के बारे में।

महोदय,

केंद्रीय प्रदूषण नियंत्रण बोर्ड (के.प्र.नि.बोर्ड) को पर्यावरण (संरक्षण) अधिनियम, 1986 के अंतर्गत पर्यावरण प्रयोगशालाओं की मान्यता के लिए दिशानिर्देशों के निबंधन और शर्तों की स्वीकृति के साथ आपके दिनांक 19/03/2025 के प्रस्तुत आवेदन के संदर्भ में, के.प्र.नि.बोर्ड के सक्षम प्राधिकारी ने पर्यावरण प्रयोगशाला और सरकार के विश्लेषक की मान्यता के नवीनीकरण को अनुमोदन प्रदान किया है। तत्पश्चात, मैसर्स एनवायरनमेंटल लैबोरेटरी (यूनिट ऑफ मिनरल इंजीन्यरिंग सर्विसेस एलएलपी), 948 दूसरी क्रॉस सेंट थॉमस टाउन पोस्ट, कम्पनहल्ली, बेंगलुरु-560084, कर्नाटक को भारत की राजपत्र अधिसूचना में प्रयोगशाला की अनिवार्य प्रत्यायन/प्रमाणन की वर्तमान अपेक्षा को ध्यान में रखते हुए दिनांक 23/05/2028 (तीन साल) तक आईएसओ/ आईईसी 17025 और आईएस/आईएसओ 45001 की वैधता के साथ अधिसूचित किया जाएगा।

2. निम्नलिखित विश्लेषकों को सरकारी विश्लेषक के रूप में अनुमोदित किया गया है:

1. श्री. एम. सचिन राजू
2. श्रीमती अर्शिया कौसर
3. श्रीमती. बिनु मणि

3. प्रयोगशाला अनिवार्य रूप से स्वीकृत निबंधन और शर्तों का पालन करते हुए निम्नलिखित परीक्षणों करेगी:

- क. भौतिक परीक्षण: चालकता, रंग, पीएच, स्थिर और वाष्पशील ठोस, कुल ठोस, कुल विलीन ठोस, कुल निलंबित ठोस, आविलता, तापमान, वेग एवं निर्वहन औद्योगिक बहिःस्राव धारा का विसर्जन मापन, फ्लोक्विलेशन टेस्ट (जार टेस्ट), गंध, लवणता, निपटान योग्य ठोस और आपंक वॉल्यूम इंडेक्स (एसवीआई)।
- ख. अकार्बनिक (सामान्य और गैर-धात्विक): अम्लता, क्षारीयता, अमोनिकल नाइट्रोजन, क्लोराइड, क्लोरीन अवशिष्ट, विलीन ऑक्सीजन, फ्लोराइड, कुल कठोरता, कुल केजेल्डहल नाइट्रोजन (टीकेएन), नाइट्राइट नाइट्रोजन, नाइट्रेट नाइट्रोजन, फॉस्फेट, सल्फेट, साइनाइड, सिलिका और सल्फाइड।
- ग. अकार्बनिक (सूक्ष्म मात्रिक धातु): बोरॉन, कैडमियम, कैल्शियम, टोटल क्रोमियम, क्रोमियम हेक्सावैलेंट, तांबा, लोहा, सीसा, मैग्नीशियम, पारा, निकल, पोटेशियम, सोडियम, सोडियम अवशोषण अनुपात (एसएआर), जिंक, आर्सेनिक, एल्युमीनियम, एंटीमनी, बेरियम, कोबाल्ट, सेलेनियम, सिल्वर, टिन और वैनेडियम।
- घ. ऑर्गेनिक्स (सामान्य) और ट्रेस ऑर्गेनिक्स: बायोकेमिकल ऑक्सीजन डिमांड (बीओडी), रासायनिक ऑक्सीजन डिमांड (सीओडी), तेल और ग्रीस, फेनोलिक यौगिक, कीटनाशक (प्रत्येक) (ऑर्गेनो-क्लोरीन और ऑर्गेनो नाइट्रोजन-फॉस्फोरस), पॉली-क्लोरीनेटेड बाइफिनाइल (पीसीबी) (प्रत्येक), पॉलीन्यूक्लियर एरोमैटिक हाइड्रोकार्बन (पीएच), सर्फैक्टेंट और टैनिन & लिप्रिन।
- ङ. सूक्ष्म जीवविज्ञान परीक्षण: टोटल कोलीफॉर्म, फीकल कोलीफॉर्म, ई.कोली, फीकल स्ट्रेप्टोकोककी, स्ट्रेप्टोकोककी और टोटल प्लेट काउंट।
- च. आविष विज्ञानी परीक्षण: मछली का उपयोग करके विषाक्तता के मूल्यांकन के लिए जैव परख विधि (100% प्रवाह में 96 घंटे के बाद मछली का 90% जीवित रहना), और डैफ़निया या अन्य जीव का उपयोग करके विषाक्तता का मापन।

जारी.

Project	Ramgad Manganese Ore Mine ML No. 2679
Location	Ramgad village, Sandur Taluk, Ballari Dist, Karnataka
Client	M/s. The Sandur Manganese & Iron Ores Limited
Office Address	Sandur, Ballari District, Karnataka
Monitoring Months	January to March -2026

Average Monitoring Report

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



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

STATISTICAL AIR QUALITY DATA

Name of the Client	: The Sandur Manganese & Iron Ores Limited														
Name of the Project	: Mining Lease No. 2679														
Month	: January to March, 2026														
	A1 - ML Area (Core Zone)					A2 - Core Zone (Myadara Banda Block)					A3 - Core Zone (Governor Point)				
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO
Min.	7	9	40	21	0.24	6	9	38	21	0.22	7	<9	35	22	0.20
10%	9	11	42	23	0.28	9	11	39	22	0.22	9	12	43	25	0.24
25%	9	13	45	25	0.31	9	12	43	23	0.25	9	13	48	26	0.26
50%	11	14	50	28	0.38	10	13	48	27	0.32	11	15	53	28	0.33
75%	12	16	54	30	0.48	12	16	53	28	0.39	12	17	55	30	0.45
98%	15	18	59	35	0.55	13	18	56	32	0.50	14	19	58	33	0.53
Max.	15	18	60	37	0.55	14	18	57	33	0.52	14	19	58	33	0.54
Avg.	11	14	50	28	0.39	10	14	48	26	0.32	11	15	51	28	0.35
SD	2	3	6	4	0.10	2	2	6	3	0.09	2	3	6	3	0.10
No. of obs	26					26					24				
	A4 - Core Zone (Neerlabi)														
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO										
Min.	7	11	35	18	0.22										
10%	9	12	44	23	0.28										
25%	9	12	46	25	0.30										
50%	11	15	50	28	0.38										
75%	13	18	55	29	0.44										
98%	15	19	60	33	0.58										
Max.	15	19	60	33	0.64										
Avg.	11	15	50	27	0.38										
SD	2	3	7	4	0.10										
No. of obs	26														

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

Note : This report is subject to the terms and conditions mentioned overleaf.



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

STATISTICAL AIR QUALITY DATA

Name of the Client		: The Sandur Manganese & Iron Ores Limited													
Name of the Project		: Mining Lease No. 2679													
Month		: January to March, 2026													
	A5 - Ramghad village					A6 - Dharmapura village					A7 - Garaga village				
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO
Min.	8	10	36	21	0.22	7	11	35	21	0.22	7	11	39	21	0.20
10%	9	11	41	23	0.25	9	11	44	23	0.22	9	12	42	22	0.22
25%	9	13	43	24	0.28	9	13	47	24	0.25	9	13	44	23	0.25
50%	10	15	49	26	0.35	10	14	50	28	0.32	11	15	50	26	0.32
75%	12	16	53	30	0.45	12	15	55	30	0.41	12	16	53	29	0.41
98%	14	19	59	33	0.52	14	18	58	33	0.54	14	18	56	33	0.54
Max.	14	19	60	33	0.52	14	18	58	33	0.55	14	18	56	33	0.55
Avg.	11	14	48	27	0.36	11	14	50	27	0.33	11	14	49	26	0.33
SD	2	3	6	4	0.10	2	2	6	3	0.10	2	2	5	4	0.10
No. of obs	26					26					26				
	A8 - Yeswanthanagar					A9 - Subbarayanahalli					A10 - Siddapura village				
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO
Min.	7	10	41	21	0.22	6	9	36	21	0.22	8	11	36	17	0.20
10%	9	12	44	23	0.28	7	11	40	22	0.30	9	11	42	24	0.26
25%	9	13	47	25	0.33	9	12	43	24	0.37	9	12	47	25	0.30
50%	11	15	50	28	0.42	10	14	50	27	0.42	11	14	51	28	0.37
75%	12	16	54	30	0.49	11	15	54	28	0.51	12	16	53	30	0.44
98%	15	19	59	33	0.55	15	19	59	33	0.57	14	20	58	33	0.54
Max.	15	19	59	33	0.55	15	19	60	33	0.57	14	20	58	33	0.55
Avg.	11	15	50	28	0.41	10	14	49	26	0.42	11	14	50	27	0.37
SD	2	2	5	3	0.10	2	3	7	3	0.10	2	2	6	4	0.10
No. of obs	26					26					26				

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TEST REPORT

Table No. 3

Fugitive Emission (Average)

Name of the Client : The Sandur Manganese & Iron Ores Limited	
Name of the Project : Mining Lease No. 2679	
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)	
Month	: January to March, 2026
Duration	: 08 Hrs
Code & Station	Particulate mater ($\mu\text{g}/\text{m}^3$)
FA1, Loading point	338
FA2, Dumping point	463
FA3, Haulage Road	462
FA4, Stack Yard	350
FA5, Drilling Point	431
FA6, Waste Dumping Point	385


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TEST REPORT

Table No. 4

Analysis Report of Dust Fall Measurement (Average)

Name of the Client	The Sandur Manganese & Iron Ores Limited
Name of the Project	Mining Lease No. 2679
Month	January to March, 2026
Sample Type	Dust Fall
Duration of Monitoring	Three Month

Result

Code	Location	Result
DF1	Mine Office Area	0.045
DF2	Near Crusher Area	0.057

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TEST REPORT

Table No. 5

AMBIENT NOISE LEVEL DATA (AVERAGE)

Name of the Client		: The Sandur Manganese & Iron Ores Limited	
Name of the Project		: Mining Lease No. 2679	
Sample Collected by		: Environmental Laboratory (vices) (Unit of Mineral Engineering Services LLP)	
Particulars of Sample		: Noise levels	
Month		: January to March, 2026	
Sampling		: IS : 9989 & CPCB Guideline	
Code No.	Monitoring stations	Day	Night
		L _{eq}	L _{eq}
Corezone			
N1	Core zone ML Area	58.4	48.8
N2	Myadara Banda Block	51.4	46.0
N3	Goerner Point	59.3	45.7
N4	Neerlabbi	56.5	47.9
Bufferzone			
N5	Ramgad village	50.5	43.3
N6	Dharmapura	49.4	42.5
N7	Garaga village	46.5	40.8
N8	Yeshwanthanagar	50.8	42.9
N9	Subbarayanahalli	50.0	42.2
N10	Siddapura	49.5	43.4

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TEST REPORT

Table No. 6

SOURCE NOISE LEVEL DATA (AVERAGE)

Name of the Client : The Sandur Manganese & Iron Ores Limited		
Name of the Project : Mining Lease No. 2679		
Sample Collected by : Environmental Laborator (Unit of Mineral Engineering Services LLP)		
Particulars of Sample : Noise levels		
Month : January to March, 2026		
Sampling : IS : 9989 & CPCB Guideline		
Code No.	Monitoring stations	Day L _{eq}
Corezone		
N1	Loading Point (During operation)	64.1
N2	Dumping Point (During operation)	73.2
N3	Haulage Road (During operation)	67.8
Heavy Earth Moving Machineries		
N5	Wheel Loader (During operation in side of the cabin)	72.8
N6	Wheel Loader (During operation 10mts outside of the cabin)	74.1
N7	Tata Hitachi 200LC (During operation in side of the cabin)	62.4
N8	Tata Hitachi 200LC (During operation 10mts outside of the cabin)	65.0

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TEST REPORT

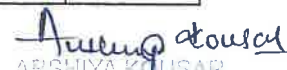
Table No. 7

Surface water Test Report (Average)

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Project	: Mining Lease No. 2679
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Nature of Sample	: Surface Water
Particulars of sample collected	: SW1 - Ragavapura kere water SW2 - Dhananayakana kere water SW3 - Narihalla Upstream water SW4 - Narihalla Downstream water
Month	: January to March, 2026
Ref : IS : 2296, Water Quality Standards	

Sl. No.	Parameters	Results			
		Average			
		SW1	SW2	SW3	SW4
1	pH	8.19	8.27	8.30	8.34
2	Colour (Hazen Units)	15.00	#DIV/0!	#DIV/0!	10.00
3	Odour	Agreeable	Agreeable	Agreeable	Agreeable
4	Total Dissolved Solids (mg/l)	209.33	300.00	650.50	542.00
5	Total Suspended Solids, mg/l	67.00	113.33	112.00	108.00
6	Dissolved Oxygen (as O ₂), mg/l	5.43	5.77	5.25	5.25
7	Biochemical Oxygen Demand (as O ₂), mg/l	<3.0	<3.0	<3.0	<3.0
8	Total Hardness (as CaCO ₃),mg/l	114.00	131.67	535.00	405.00
9	Sulphates as SO ₄ (mg/l)	22.67	30.67	65.00	50.00
10	Phosphates (as P), mg/l	<0.05	<0.05	<0.05	<0.05
11	Chloride (as Cl),mg/l	26.67	75.00	302.50	285.00
12	Fluoride (as F),mg/l	0.51	0.55	0.85	0.87
13	Sulphide (as H ₂ S), mg/l	<0.01	<0.01	<0.01	<0.01
14	Boron (as B), mg/l	<0.1	<0.1	<0.1	<0.1
15	Iron (as Fe),mg/l	<0.005	<0.005	<0.005	<0.005
16	Percent of Sodium (%)	25.33	33.00	24.00	28.50
17	Residual Sodium Carbonate (meq/l)	<0.5	<0.5	<0.5	<0.5
18	Total Coliform, MPN/100ml	64.67	84.00	130.00	115.00


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