

The Sandur Manganese & Iron Ores Limited

(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/070425/2678/AS

07 April 2025

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



Dear Sir,

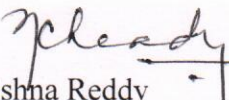
Sub: Submission of reports pertaining to monitoring environmental parameters for the month of March 2025 in respect of Mining Lease No. 2678.

Ref: 1. Environmental Clearance F.No. IA-J-11015/45/2021-IA-II(M) dated 25 April 2023.
2. Consent for Operation No. AW-345054 dated 18 September 2024.

With reference to the letter cited above, we are enclosing herewith environmental monitoring reports from NABET accredited and MoEFCC empaneled laboratory M/s Mineral Engineering Services as per stipulated environmental parameters in Environmental Clearance and Consent for Operation-Expansion for the month of March 2025 in respect of Mining Lease No. 2678 of The Sandur Manganese & Iron Ores Limited.

Kindly request you to acknowledge receipt of the reports and oblige.

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


Krishna Reddy
Vice President - Mines



Encl: Monitoring Reports

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, Hosanpete Taluk, Ballari District

ENVIRONMENTAL MONITORING REPORT

March, 2025

Project : Mining Lease No. 2678
Deogiri Manganese & Iron Ore Mine,
Kammathuru Iron Ore Mine,
Subrayanahalli Manganese & Iron Ore Mine,
Sandur Taluk, Ballari Dist, Karnataka.

Lessee

The Sandur Manganese & Iron Ores Limited
Sandur,

ENVIRONMENTAL LABORATORY
(Unit of Mineral Engineering Services)
(Accredited by NABL &, MOEF&CC Under E(P) 1986)
#948, 2nd Cross, Kammanahalli Main Road,
St Thomas Town Post, Bangalore- 560 084, Karnataka,

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ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

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Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2025

TEST REPORT

Table No.1

AMBIENT AIR QUALITY

Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Station at & Code : A1, Mine Pit (SK) / (CBG)
 Duration : 24 Hrs
 Issue date : 01.04.2025
 Reference 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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N014525033	8	13	56	32	0.32
08.03.2025	N021725033	12	9	42	24	0.24
10.03.2025	P000525033	10	18	58	34	0.28
11.03.2025	P008825033	11	10	50	27	0.33
21.03.2025	P000125034	8	9	53	32	0.42
22.03.2025	P007725034	8	11	46	29	0.25
24.03.2025	P000125035	13	15	57	33	0.36
25.03.2025	P010125035	11	13	48	20	0.21
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
 ARSHIYA KOUSAR
 Dy. T.M. - Chemical
 Govt. Analyst / Authorised Signatory

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.



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TEST REPORT

Table No.2

AMBIENT AIR QUALITY

Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Station at & Code : A2, Kammathuru (within ML Area)
 Duration : 24 Hrs
 Issue date : 01.04.2025
 Reference 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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N014625033	11	15	53	27	0.28
08.03.2025	N021825033	9	12	45	25	0.44
10.03.2025	P000625033	11	13	58	34	0.36
11.03.2025	P008925033	10	12	47	25	0.21
21.03.2025	P000225034	8	11	50	28	0.26
22.03.2025	P007825034	11	14	44	25	0.34
24.03.2025	P000225035	10	12	47	22	0.25
25.03.2025	P010225035	12	15	49	17	0.21
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
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 Dy. T.M. - Chemical
 Govt. Analyst / Authorised Signatory

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TEST REPORT

Table No.3

AMBIENT AIR QUALITY

Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Station at & Code : A3, Deogiri (within ML Area)
 Duration : 24 Hrs
 Issue date : 01.04.2025
 Reference 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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N014725033	11	14	51	31	0.28
08.03.2025	N021925033	9	10	55	30	0.36
10.03.2025	P000725033	9	12	48	25	0.31
11.03.2025	P009025033	8	15	54	27	0.41
21.03.2025	P000325034	13	18	52	28	0.25
22.03.2025	P007925034	9	13	49	24	0.22
24.03.2025	P000325035	8	13	57	33	0.31
25.03.2025	P010325035	7	10	47	18	0.27
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
 ARSHIYA KOUSAR

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TEST REPORT

Table No.4

AMBIENT AIR QUALITY

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Project	: Mining Lease No. 2678
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Station at & Code	: A4, SBH Plot (Mine Boundary)
Duration	: 24 Hrs
Issue date	: 01.04.2025
Reference	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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N014825033	9	10	56	31	0.22
08.03.2025	N022025033	10	14	46	25	0.25
10.03.2025	P000825033	13	14	44	22	0.21
11.03.2025	P009125033	11	13	53	28	0.20
21.03.2025	P000425034	12	15	51	26	0.23
22.03.2025	P008025034	10	11	48	26	0.31
24.03.2025	P000425035	9	12	54	33	0.25
25.03.2025	P010425035	11	13	46	25	0.44
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar

ARSHIYA KOUSAR

Dy. T.M. - Chemical

Govt. Analyst / Authorised Signatory

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Table No.5

AMBIENT AIR QUALITY

Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Station at & Code : A5, Subbarayanahalli (within ML Area)
 Duration : 24 Hrs
 Issue date : 01.04.2025
 Reference 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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N014925033	11	15	43	24	0.31
08.03.2025	N022125033	9	12	53	26	0.25
10.03.2025	P000925033	11	13	44	24	0.22
11.03.2025	P009225033	10	12	57	35	0.36
21.03.2025	P000525034	11	13	46	25	0.41
22.03.2025	P008125034	8	13	55	30	0.25
24.03.2025	P000525035	11	15	48	36	0.36
25.03.2025	P010525035	8	10	40	26	0.44
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
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TEST REPORT

Table No.6

AMBIENT AIR QUALITY

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Project	: Mining Lease No. 2678
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Station at & Code	: A6, Appayyanahalli (Narayanpura)
Duration	: 24 Hrs
Issue date	: 01.04.2025
Reference	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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N015025033	8	13	47	24	0.25
08.03.2025	N022225033	7	11	42	22	0.22
10.03.2025	P001025033	9	14	39	22	0.26
11.03.2025	P009325033	12	19	56	35	0.41
21.03.2025	P000625034	7	11	51	28	0.32
22.03.2025	P008225034	9	13	53	26	0.25
24.03.2025	P000625035	10	13	40	25	0.22
25.03.2025	P010625035	12	13	43	20	0.21
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
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Dy. T.M. - Chemical
Govt. Analyst / Authorised Signatory

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TEST REPORT

Table No.7

AMBIENT AIR QUALITY

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Project	: Mining Lease No. 2678
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Station at & Code	: A7, Vitalanagar (Navalatti)
Duration	: 24 Hrs
Issue date	: 01.04.2025
Reference	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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N015125033	9	11	60	36	0.29
08.03.2025	N022325033	9	15	54	33	0.42
10.03.2025	P001125033	9	10	48	25	0.33
11.03.2025	P009425033	10	15	51	27	0.35
21.03.2025	P000725034	8	16	40	22	0.46
22.03.2025	P008325034	7	15	57	31	0.25
24.03.2025	P000725035	9	15	53	29	0.33
25.03.2025	P010725035	8	12	42	25	0.28
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
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TEST REPORT

Table No.8

AMBIENT AIR QUALITY

Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Station at & Code : A8, Swamihalli
 Duration : 24 Hrs
 Issue date : 01.04.2025
 Reference 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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N015225033	10	12	50	28	0.23
08.03.2025	N022425033	9	11	43	29	0.28
10.03.2025	P001225033	8	13	53	30	0.21
11.03.2025	P009525033	12	15	40	24	0.22
21.03.2025	P000825034	11	12	37	23	0.26
22.03.2025	P008425034	10	19	44	28	0.32
24.03.2025	P000825035	8	10	53	27	0.24
25.03.2025	P010825035	10	11	48	25	0.28
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
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TEST REPORT

Table No.9

AMBIENT AIR QUALITY

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Project	: Mining Lease No. 2678
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Station at & Code	: A9, Yeswanthanagar
Duration	: 24 Hrs
Issue date	: 01.04.2025
Reference	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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N015325033	11	14	50	19	0.21
08.03.2025	N022525033	10	16	51	26	0.23
10.03.2025	P001325033	9	11	55	29	0.33
11.03.2025	P009625033	10	11	48	24	0.26
21.03.2025	P000925034	13	18	50	26	0.22
22.03.2025	P008525034	8	12	57	28	0.45
24.03.2025	P000925035	10	12	54	28	0.41
25.03.2025	P010925035	12	16	50	31	0.38
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar

ARSHIYA KOUSAR

Dy. T.M. - Chemical

Govt. Analyst / Authorised Signatory

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TEST REPORT

Table No.10

AMBIENT AIR QUALITY

Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Station at & Code : A10, Tonaigeri
 Duration : 24 Hrs
 Issue date : 01.04.2025
 Reference 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		Carbon Monoxide* (CO), mg/m ³
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	
07.03.2025	N015425033	13	18	55	30	0.31
08.03.2025	N022625033	11	13	48	25	0.22
10.03.2025	P001425033	10	12	50	30	0.28
11.03.2025	P009725033	9	11	38	18	0.31
21.03.2025	P001025034	11	15	47	26	0.25
22.03.2025	P008625034	13	18	40	22	0.22
24.03.2025	P001025035	11	13	50	24	0.36
25.03.2025	P011025035	12	15	48	27	0.41
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	2 8 Hr

Arshiya Kousar
 ARSHIYA KOUSAR
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 Govt. Analyst / Authorised Signatory

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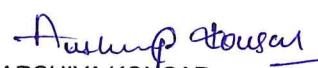
Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 23.05.2025

TEST REPORT

Table No. 11

Fugitive Emission

Name of the Client	: The Sandur Manganese & Iron Ores Limited		
Name of the Project	: Deogiri Manganese & Iron Ore Mine (ML NO. 2678)		
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)		
Duration	: 08 Hrs		
Issue Date	: 01.04.2025		
Station at & Code	Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
FA1, Mine Face / Benches	21.03.2025	P001125034	357
FA2, Haulage Road / Service Road	21.03.2025	P001225034	425
FA3, Crushing & Screening Plant	21.03.2025	P001325034	456
FA4, Mineral Stock Yard / Loading	22.03.2025	P008725034	288
FA5, Active Waste Dump	22.03.2025	P008825034	475
Ref : Environmental (Protection) Rules, 2010 (Sixth Amendment)			
			Particulate mater ($\mu\text{g}/\text{m}^3$)
Permissible limits for Fugitive Emissions			600 $\mu\text{g}/\text{m}^3$


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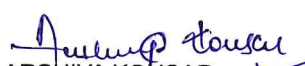
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TEST REPORT

Table No. 12

Fugitive Emission

Name of the Client : The Sandur Manganese & Iron Ores Limited			
Name of the Project : Kammathuru Iron Ore (KTIO) (ML No. 2678)			
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)			
Duration : 08 Hrs			
Issue Date : 01.04.2025			
Station at & Code	Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
FA1, Mine Face / Benches	07.03.2025	N015525033	265
FA2, Haulage Road / Service Road	07.03.2025	N015625033	452
FA3, Crushing & Screening Plant	07.03.2025	N015725033	488
FA4, Mineral Stock Yard / Loading	08.03.2025	N022725033	365
FA5, Active Waste Dump	08.03.2025	N022825033	451
Ref : Environmental (Protection) Rules, 2010 (Sixth Amendment)			
Particulate mater ($\mu\text{g}/\text{m}^3$)			
Permissible limits for Fugitive Emissions		600 $\mu\text{g}/\text{m}^3$	


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TEST REPORT

Table No. 13

Fugitive Emission

Name of the Client : The Sandur Manganese & Iron Ores Limited			
Name of the Project : Subrayanahalli Manganese & Iron Ore Mine (ML NO. 2678)			
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)			
Duration : 08 Hrs			
Issue Date : 01.04.2025			
Station at & Code	Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
FA1, Mine Face / Benches	10.03.2025	P001525033	312
FA2, Haulage Road / Service Road	10.03.2025	P001625033	398
FA3, Crushing & Screening Plant	10.03.2025	P001725033	421
FA4, Mineral Stock Yard / Loading	11.03.2025	P009825033	265
FA5, Active Waste Dump	11.03.2025	P009925033	463
Ref : Environmental (Protection) Rules, 2010 (Sixth Amendment)			
Particulate mater ($\mu\text{g}/\text{m}^3$)			
Permissible limits for Fugitive Emissions			600 $\mu\text{g}/\text{m}^3$

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TEST REPORT

Table No. 14

Analysis Report of Dust Fall Measurement

1	Name of the Client	The Sandur Manganese & Iron Ores Limited
2	Name of the Project	Mining Lease No. 2678
3	Month	01.03.2025 to 31.03.2025
4	Sample Type	Total Dust Fall Rate
5	Duration of Monitoring	One Month
6	Issue Date	01.04.2025

Result

Code	Location	Result	unit	Reference Method
DF1	Deogiri mines office	0.350	g/m ² month	IS 5182 (Part 01) : 2006
DF2	Kammathuru (Near School)	0.290	g/m ² month	IS 5182 (Part 01) : 2006
DF3	Appayyanahalli	0.230	g/m ² month	IS 5182 (Part 01) : 2006
DF4	Subbarayanahalli (Near Hospital)	0.091	g/m ² month	IS 5182 (Part 01) : 2006
DF5	Yeswanthanagar (Near Railway Track)	0.035	g/m ² month	IS 5182 (Part 01) : 2006

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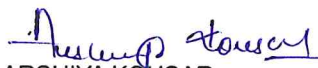
TEST REPORT

Table No. 15

AMBIENT NOISE LEVEL DATA

Report No : ELMES072503

Client	: The Sandur Manganese & Iron Ores Limited																		
Project	: Mining Lease No. 2678																		
Sample Collected by	: Environmental Laboratoryrvices) (Unit of Mineral Engineering Services LLP)																		
Date of monitoring	: 10.03.2025																		
Date of sample receipt	: 11.03.2025																		
Issue Date	: 25.03.2025																		
Code No.	Monitoring stations	Day			Night														
		L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}												
Corezone																			
N1	Mine Pit (SK/CBG)	37.0	55.7	64.0	34.0	46.3	54.0												
N2	Kammathuru ML Area	41.0	57.7	65.0	35.0	45.2	53.0												
N3	Deogiri ML Area	39.0	50.7	58.1	35.0	42.5	47.2												
N4	SBS Plot (Mine Boundary)	40.0	54.2	60.0	34.0	43.8	52.1												
N5	SB Halli ML Area	38.0	53.1	58.0	34.8	47.4	56.0												
N6	Mine area	45.0	56.2	63.0	34.0	46.9	53.2												
Bufferzone																			
N7	Appayanahalli (Narayanapura)	37.0	49.3	57.0	34.0	38.9	45.8												
N8	Vitthalanagar (Navalatti)	38.0	50.2	56.0	34.8	43.2	47.0												
N9	Swamihalli	37.0	48.1	55.6	36.2	41.4	43.2												
N10	Yeshwanthnagar	36.0	50.8	56.7	34.0	41.8	47.5												
N11	Tonasingeri	36.8	49.8	54.2	34.2	42.0	46.2												
N12	Kumaraswamy Temple	36.9	48.1	53.0	33.6	41.0	47.3												
Permissible Limits of Ambient Noise Levels as per CPCB Guidelines Leq. Limit dB(A) <table border="1"> <thead> <tr> <th></th> <th>Day</th> <th>Night</th> </tr> </thead> <tbody> <tr> <td>Industrial areas</td> <td>75</td> <td>70</td> </tr> <tr> <td>Commercial area</td> <td>65</td> <td>55</td> </tr> <tr> <td>Residential area</td> <td>55</td> <td>45</td> </tr> </tbody> </table>									Day	Night	Industrial areas	75	70	Commercial area	65	55	Residential area	55	45
	Day	Night																	
Industrial areas	75	70																	
Commercial area	65	55																	
Residential area	55	45																	


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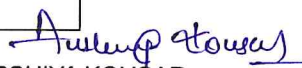
TEST REPORT

Table No. 16

SOURCE NOISE LEVEL DATA

Report No : ELMES082503

Client	: The Sandur Manganese & Iron Ores Limited				
Project	: Mining Lease No. 2678				
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Date of monitoring	: 24.03.2025				
Date of sample receipt	: 25.03.2025				
Issue Date	: 28.03.2025				
Code No.	Monitoring stations	Day			Remarks
		L _{min}	L _{eq}	L _{max}	
Source					
N1	Mine Face	41.0	65.1	75.0	During operation
N2	Haulage Road	43.0	74.2	83.0	During operation
N3	Crushing & Screening Plant	47.0	78.1	88.0	During operation
N4	Mineral Stock Yard	40.0	56.5	63.0	During operation
N5	Active Waste Dump	38.0	72.2	80.0	During operation
Permissible Limits of Ambient					
Noise Levels as per CPCB Guidelines					
		Leq. Limit dB(A)			
		Day	Night		
Industrial areas		75	70		
Heavy Earth Moving Machineries					
N6	Mobile Crusher Capacity : 250 TPH (MSP-4)	41.0	72.0	82.0	During operation from 10mts distance
N7	Power Screening Chieftain 2100 : Capacity : 350 TPH	41.0	66.6	76.0	During operation from 10mts distance
N8	Sandvik/ MSP-7 : Capacity : 250 TPH	40.0	65.1	75.0	During operation from 10mts distance
N9	Chieftain-1400/MSP-8 : Capacity : 250 TPH	43.0	62.7	70.0	During operation from 10mts distance
N10	Terex-Pegson /MCP-1 (cone Crusher) : Capacity : 250 TPH	39.4	68.6	76.0	During operation from 10mts distance
N11	Terex-Pegson /MCP-1 (Jaw Crusher) : Capacity : 250 TPH	37.0	71.9	80.0	During operation from 10mts distance
N12	DG 1010 KVA (808 KW)	39.0	73.6	80.0	During operation from 10mts distance
N13	Wheel Loader	42.0 39.0	77.7 73.9	83.2 78.0	During operation in side of the cabin During operation 10mts outside of the cat
N14	Tata Hitachi 200LC	44.0 38.0	75.6 73.5	80.0 76.0	During operation in side of the cabin During operation 10mts outside of the cat
N15	Volvo Hitachi EC260 BLC	42.0 38.0	76.3 69.7	79.2 77.0	During operation in side of the cabin During operation 10mts outside of the cat
N16	Excavator EC2100 Operator	44.0 41.0	73.9 67.8	80.0 82.0	During operation in side of the cabin During operation 10mts outside of the cat
Permissible limits as per ILO Code of Practice					
For Unprotected ear - 8 hrs working shift					
Warning limit - 85 dB(A)					
Danger limit - 90 dB(A)					
Worker not to be exposed for more than 115 dB(A)					
With ear protection -					
130 dB(A) 'Impulse' or 120 dB(A) 'Fast'					
No entry when noise level exceeds 140 dB(A)					


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TEST REPORT

Table No. 17

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Project	: Mining Lease No. 2678
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected	: STP1, Inlet Water sample from 100 KLD STP, Deogiri
Date of sample collection	: 10.03.2025
Date of sample receipt	: 11.03.2025
Report No	: N032925033
Issue Date	: 18.03.2025
Ref: G S R 1265 (e) and Schedule VI (Rule 3A of EP rule 1986)	

Sl.No.	Sample Code	STP1	Results	Method of Testing
	Parameters	Results		
1	pH	-	7.32	IS 3025 (P-11)2017
2	Biochemical Oxygen Demand BOD ₅ 27 ⁰ C	mg/l	68	IS 3025 (P-44) 1993 RA 2019
3	Chemical Oxygen Demand (COD)	mg/l	200	IS 3025 (P-58) 2006 RA 2017
4	Total Suspended Solids, at 105 ⁰ C	mg/l	220	IS 3025 (P-16)1984 RA 2017
5	Ammonium (H4-N)	mg/l	1	IS:3025 (P-34) 2023
6	Total Nitrogen (N-Total)	mg/l	8	IS 3025 (Part-34)
7	Fecal coliform	MPN/100ml	180	APHA 24 th Edition

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TEST REPORT

Table No. 18

Name of the Client	: The Sandur Manganese & Iron Ores Limited				
Name of the Project	: Mining Lease No. 2678				
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Particulars of sample collected	: STP2, Outlet Water sample from 100 KLD STP, Deogiri				
Date of sample collection	: 10.03.2025				
Date of sample receipt	: 11.03.2025				
Report No	: N033025033				
Issue Date	: 18.03.2025				
Ref : Discharge Standards for Treated Sewage Utilized for Landscape/Irrigation/Secondary Purposes					
Sl.No.	Parameters	units	Results	Sewage Effluent Discharge Standards	Method of Testing
1	pH	-	6.96	6.5 - 9.0	IS 3025 (P-11)2017
2	Biochemical Oxygen Demand BOD ₃ 27 ^o C	mg/l	7.5	<10	IS 3025 (P-44) 1993 RA 2019
3	Chemical Oxygen Demand (COD)	mg/l	40	<50	IS 3025 (P-58) 2006 RA 2017
4	Total Suspended Solids, at 105 ^o C	mg/l	38	<20	IS 3025 (P-16)1984 RA 2017
5	Ammonium (H4-N)	mg/l	0.5	<5	IS:3025 (P-34) 2023
6	Total Nitrogen (N-Total)	mg/l	5.4	<10	IS 3025 (Part-34)
7	Fecal coliform	MPN/100ml	15	<100	APHA 24 th Edition

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TEST REPORT

Table No. 19

Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Particulars of sample collected : SW1 - Durgammakolla spring water, SW2 - JLK spring water
 SW3 - Katrasinghkolla spring water
 Date of sample collection : 10.03.2025
 Date of sample receipt : 11.03.2025
 Issue Date : 18.03.2025
 Ref:IS : 2296, 1982 Class C Norms (Stream Water Standards)

Report No		N/031925033	N/032025033	N/032125033	Limits	Method of Testing
Sl.No.	Parameters	Results				
		SW1	SW2	SW3		
1	pH	7.66	6.48	7.48	6.5 to 8.5	IS:3025(Part-11)2022
2	Colour (Hazen Units), Max	1	1	1	300	IS:3025(Part-4)2021
3	Odour	Agreeable	Agreeable	Agreeable	-	IS:3025 (P-5) 2018
4	Total Dissolved Solids (mg/l), Max	320	136	138	1500	IS:3025(Part-16)2023
5	Total Suspended Solids, mg/l	12	8	10	-	IS 3025 (P-17) 2022
6	Dissolved Oxygen (as O ₂), mg/l	5.4	5.7	5.8	Min 4	IS:3025(Part-38)1989RA 2019
7	Biochemical Oxygen Demand (as O ₂), mg/l	<3.0	<3.0	<3.0	3	IS:3025(P-44) 2014
8	Oil & Greease, mg/l	<1.0	<1.0	<1.0	0.1	IS:3025(Part 39)2021
9	Total Hardness (as CaCO ₃),mg/l,Max	250	48	56	-	IS:3025 (P-21):2009 RA 2019
10	Sulphates as SO ₄ (mg/l), Max	16.5	9.2	8.60	400	IS:3025(P-24)Sec 1 2022
11	Phosphates (as P), mg/l	<0.05	<0.05	<0.05	-	IS 3025 (P-31) Sec 1 2022
12	Chloride (as Cl),mg/l, Max	35.0	40.0	50.0	600	IS:3025(Part-32) ;1988RA2019
13	Fluoride (as F),mg/l, Max	0.46	0.38	0.42	1.5	APHA 23rd Edition 4500F
14	Sulphide (as H ₂ S) , mg/l, Max	<0.01	<0.01	<0.01	-	IS:3025 (P-29):1986 RA 2019
15	Boron (as B), mg/l, Max	<0.1	<0.1	<0.1	-	IS:3025 (Part-57)2021
16	Iron (as Fe),mg/l, Max	<0.005	<0.005	<0.005	50	IS:3025(P-2) 2019
17	Percent of Sodium (%)	22	30	36	-	IS 11624 .2009
18	Residual Sodium Carbonate (meq/l)	<0.5	<0.5	<0.5	-	IS 11624 .2009
19	Total Coliform, MPN/100ml	150	166	90	5000	IS:1622:1981

""END OF REPORT""


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TEST REPORT

Table No.20

Table No. 2

Name of the Client		: The Sandur Manganese & Iron Ores Limited			
Name of the Project		: Mining Lease No. 2678			
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)			
Particulars of sample collected		: SW4 - Hari Shankar Spring Water, SW5 - Narihalla Dam water			
Date of sample collection		: 10.03.2025			
Date of sample receipt		: 11.03.2025			
Issue Date		: 18.03.2025			
Ref:IS : 2296, 1982 Class C Norms (Stream Water Standards)					
Report No		N/032225033	N/032325033	Limits	Method of Testing
Sl.No.	Parameters	Results			
		SW4	SW5		
1	pH	6.60	8.80	6.5 to 8.5	IS:3025(Part-11)2022
2	Colour (Hazen Units), Max	1.0	10.0	300	IS:3025(Part-4)2021
3	Odour	Agreeable	Agreeable	-	IS:3025 (P-5) 2018
4	Total Dissolved Solids (mg/l), Max	50.0	374.0	1500	IS:3025(Part-16)2023
5	Total Suspended Solids, mg/l	10	110	-	IS 3025 (P-17) 2022
6	Dissolved Oxygen (as O ₂), mg/l	5.80	5.40	Min 4	IS:3025(Part-38)1989RA 2019
7	Biochemical Oxygen Demand (as O ₂), mg/l	<3.0	<3.0	3	IS:3025(P-44) 2014
8	Oil & Greease, mg/l	<0.1	<0.1	0.1	IS:3025(Part 39)2021
9	Total Hardness (as CaCO ₃),mg/l,Max	20.0	210	-	IS:3025 (P-21):2009 RA 2019
10	Sulphates as SO ₄ (mg/l), Max	4.4	70.0	400	IS:3025(P-24)Sec 1 2022
11	Phosphates (as P), mg/l	<0.05	<0.05	-	IS 3025 (P-31) Sec 1 2022
12	Chloride (as Cl),mg/l, Max	18.0	90	600	IS:3025(Part-32) ;1988RA2019
13	Fluoride (as F),mg/l, Max	0.36	0.6	1.5	APHA 23rd Edition 4500F
14	Sulphide (as H ₂ S) , mg/l, Max	<0.01	<0.01	-	IS:3025 (P-29):1986 RA 2019
15	Boron (as B), mg/l, Max	<0.1	<0.1	-	IS:3025 (Part-57)2021
16	Iron (as Fe),mg/l, Max	0.08	0.12	50	IS:3025(P-2) 2019
17	Percent of Sodium (%)	33.0	38.00	-	IS 11624 .2009
18	Residual Sodium Carbonate (meq/l)	<0.5	<0.5	-	IS 11624 .2009
19	Total Coliform, MPN/100ml	100	96	5000	IS:1622:1981

"END OF REPORT"


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TEST REPORT

Table No. 21

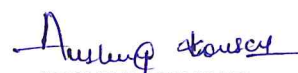
Name of the Client : The Sandur Manganese & Iron Ores Limited
 Name of the Project : Mining Lease No. 2678
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Particulars of sample collected : GW1 - Deogiri Mine Office Bore water, GW2 - Borewell near Kumarswamy temple, GW3 - Appayyanahalli (Narayanapura) Bore water
 Date of sample collection : 10.03.2025
 Date of sample receipt : 11.03.2025
 Issue Date : 18.03.2025
 Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)

Report No		N/032425033	N/032525033	N/032625033	Desirable Limits	Permissible Limits	Method of Testing
Sl. No.	Sample Code	GW1	GW2	GW3			
	Parameters	Results					
1	Colour (Hazen Units)	1	1	1	5	15	IS:3025 (P-4) 2021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P-5) 2018
3	pH Value	6.30	6.70	7.9	6.5 to 8.5	6.5 - 8.5	IS:3025 (P-11) 2022
4	Turbidity, NTU, Max	<0.1	1.1	<0.1	1	5	IS:3025 (P-10) 1984 RA 2017
5	Electrical Conductivity (µmhos/cm)	164.0	350.0	1440	--	--	IS 3025 (P-14)
6	Total Dissolved Solids, mg/l, Max	94.0	190.0	806.0	500	2000	IS:3025 (P-16) 1984 RA 2017
7	Aluminium (as Al), Max	<0.005	<0.005	<0.005	0.03	0.2	IS:3025 (P-2) 2019
8	Boron (as B), mg/l, Max	<0.1	<0.1	<0.1	0.5	2.4	IS:3025 (Part-57) 2021
9	Calcium (as Ca), mg/l, Max	8.81	20.00	84.10	75	200	IS:3025 (P-40) 1991 RA 2019
10	Copper (as Cu), mg/l, Max	<0.005	<0.005	<0.005	0.05	1.5	IS:3025 (P-2) 2019
11	Chloride (as Cl (mg/l), mg/l, Max	26.00	38.0	120.0	250	1000	IS:3025 (P-32) 1988 RA 2019
12	Fluoride (as F), mg/l, Max	0.30	0.38	0.85	1	1.5	APHA 23rd Edition 4500F
13	Iron (as Fe), mg/l, Max	<0.005	<0.005	<0.005	1.0	1.0	IS:3025 (Part-2) 2019
14	Magnesium (as Mg), mg/l, Max	3.90	16.00	77.80	30	100	IS:3025 (P-46) 1994 RA 2019
15	Manganese (as Mn), mg/l, Max	<0.001	<0.001	<0.001	0.1	0.3	IS:3025 (P-2) 2019
16	Nitrates (as NO ₃), mg/l, Max	5.90	7.90	21.00	45	45	APHA 23rd Edition 4500B
17	Selenium (as Se), mg/l	<0.005	<0.005	<0.005	0.01	0.01	IS:3025 (P-2) 2019
18	Sulphates (as SO ₄), mg/l, Max	10.80	21.00	120	200	400	IS:3025 (P-24) Sec 1 2022
19	Alkalinity (as CaCO ₃), mg/l, Max	32.00	104.00	480.00	200	600	IS:3025 (P-23): 1986 RA 2019
20	Total Hardness (as CaCO ₃), mg/l, Max	38.0	116.0	530.0	200	600	IS:3025 (P-21): 2009 RA 2019
21	Zinc (as Zn), mg/l, Max	<0.005	<0.005	<0.005	5	15	IS:3025 (P-2) 2019
22	Sodium, (as Na), mg/l, Max	2	52	45	-	-	IS:3025 (Part-45) 1993 RA 2019
23	Potassium, (as K), mg/l, Max	<1.0	8	6	-	-	IS:3025 (Part-45)
24	Cadmium (as Cd), mg/l, Max	<0.001	<0.001	<0.001	0.003	0.003	IS:3025 (P-2) 2019
25	Cyanide (as CN), mg/l, Max	<0.01	<0.01	<0.01	0.05	0.05	IS:3025 (P-27) Sec 1 2021
26	Lead (as Pb), mg/l, Max	<0.005	<0.005	<0.005	0.01	0.01	IS:3025 (P-2) 2019
27	Mercury (as Hg), mg/l, Max	<0.005	<0.005	<0.005	0.001	0.001	USPEA 200.7 Rev 4.4
28	Arsenic (as As), mg/l, Max	<0.002	<0.002	<0.002	0.01	0.01	IS:3025 (P-2) 2019
29	Total Chromium (as Cr), mg/l, Max	<0.001	<0.001	<0.001	0.05	0.05	IS:3025 (P-2) 2019
30	Escherichia coli/100ml	Not Detected	Not Detected	Not Detected	Shall not be detectable in any 100ml Sample		IS:15185:2016 RA 2021
31	Total Coliform /100ml	Not Detected	Not Detected	Not Detected			IS:15185:2016 RA 2021

"END OF REPORT"


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TEST REPORT

Table No. 22

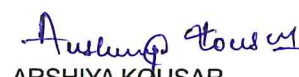
Name of the Client		: The Sandur Manganese & Iron Ores Limited				
Name of the Project		: Mining Lease No. 2678				
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Particulars of sample collected		: GW4 - SB Halli Bore water (near hospital), GW5 - Yeshwanthnagar Bore water (near railway track)				
Date of sample collection		: 10.03.2025				
Date of sample receipt		: 11.03.2025				
Issue Date		: 18.03.2025				
Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)						
Sl. No.	Report No	N/032725033	N/032825033	Desirable Limits	Permissible Limits	Method of Testing
	Sample Code	GW4	GW5			
	Parameters	Results				
1	Colour (Hazen Units)	1	1	5	15	IS:3025 (P-4) 2021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P-5) 2018
3	pH Value	8.10	7.42	6.5 to 8.5	6.5 - 8.5	IS:3025 (P-11) 2022
4	Turbidity, NTU, Max	2.8	1.5	1	5	IS:3025 (P-10) 1984 RA 2017
5	Electrical Conductivity (µmhos/cm)	310.0	2300.0	--	--	IS 3025 (P-14)
6	Total Dissolved Solids, mg/l, Max	168.0	1360.0	500	2000	IS:3025 (P-16) 1984 RA 2017
7	Aluminium (as Al), Max	<0.005	<0.005	0.03	0.2	IS:3025 (P-2) 2019
8	Boron (as B), mg/l, Max	<0.1	<0.1	0.5	2.4	IS:3025 (Part-57) 2021
9	Calcium (as Ca), mg/l, Max	16.00	120.20	75	200	IS:3025 (P-40) 1991 RA 2019
10	Copper (as Cu), mg/l, Max	<0.005	<0.005	0.05	1.5	IS:3025 (P-2) 2019
11	Chloride as Cl (mg/l), mg/l, Max	31.00	330.00	250	1000	IS:3025 (P-32) 1988 RA 2019
12	Fluoride (as F), mg/l, Max	0.56	0.85	1	1.5	APHA 23rd Edition 4500F
13	Iron (as Fe), mg/l, Max	<0.005	<0.005	1.0	1.0	IS:3025 (Part-2) 2019
14	Magnesium (as Mg), mg/l, Max	17.00	102.00	30	100	IS:3025 (P-46) 1994 RA 2019
15	Manganese (as Mn), mg/l, Max	<0.001	<0.001	0.1	0.3	IS:3025 (P-2) 2019
16	Nitrates (as NO ₃), mg/l, Max	12.70	43.70	45	45	APHA 23rd Edition 4500B
17	Selenium (as Se), mg/l	<0.005	<0.005	0.01	0.01	IS:3025 (P-2) 2019
18	Sulphates (as SO ₄), mg/l, Max	14.50	150.00	200	400	IS:3025 (P-24) Sec 1 2022
19	Alkalinity (as CaCO ₃), mg/l, Max	104.0	560.0	200	600	IS:3025 (P-23):1986 RA 2019
20	Total Hardness (as CaCO ₃), mg/l, Max	110.0	720.0	200	600	IS:3025 (P-21):2009 RA 2019
21	Zinc (as Zn), mg/l, Max	<0.005	<0.005	5	15	IS:3025 (P-2) 2019
22	Sodium, (as Na), mg/l, Max	10.2	122	--	--	IS:3025 (Part-45) 1993 RA 2019
23	Potassium, (as K), mg/l, Max	4.2	6.8	--	--	IS:3025 (Part-45)
24	Cadmium (as Cd), mg/l, Max	<0.001	<0.001	0.003	0.003	IS:3025 (P-2) 2019
25	Cyanide (as CN), mg/l, Max	<0.01	<0.01	0.05	0.05	IS:3025 (P-27) Sec 1 2021
26	Lead (as Pb), mg/l, Max	<0.005	<0.005	0.01	0.01	IS:3025 (P-2) 2019
27	Mercury (as Hg), mg/l, Max	<0.0005	<0.0005	0.001	0.001	USPEA 200.7 Rev 4.4
28	Arsenic (as As), mg/l, Max	<0.002	<0.002	0.01	0.01	IS:3025 (P-2) 2019
29	Total Chromium (as Cr), mg/l, Max	<0.001	<0.001	0.05	0.05	IS:3025 (P-2) 2019
30	Escherichia coli/100ml	Not Detected	Not Detected	Shall not be detectable in any 100ml Sample		IS:15185:2016 RA 2021
31	Total Coliform /100ml	Not Detected	Not Detected			IS:15185:2016 RA 2021

"END OF REPORT"


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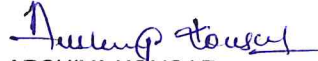
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TEST REPORT

Table No. 23

Name of the Client			: The Sandur Manganese & Iron Ores Limited				
Name of the Project			: Mining Lease No. 2678				
Particulars of sample			: Soil Samples				
Sample Collected by			: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Date of sample collection			: 11.03.2025				
Date of sample receipt			: 12.03.2025				
Issue Date			: 01.04.2025				
Report No			N033525033	N033625033	N033725033	N033825033	N033925033
SL. No.	Sample Code		S1	S2	S3	S4	S5
	PARAMETERS	Unit	Results				
PHYSICAL PROPERTIES							
1	Colour	--	Red Soil	Red Soil	Red Soil	Red Soil	Red Soil
2	Textural class	--	Clay Loam	Sandy Loam	Clay Loam	Clay Loam	Clay Loam
3	Size Distribution						
	Sand	%	31.42	34.12	32.45	32.21	33.65
	Clay	%	25.22	32.01	28.12	29.2	25.22
	Silt	%	43.36	33.87	39.43	38.59	41.13
4	Moisture Content	%	7.75	7.38	7.66	6.92	6.85
5	Bulk Density	gm/cc	1.88	1.8	1.78	1.69	1.7
6	Water holding capacity	%	31.1	30.18	24.61	28.3	22.15
7	pH	--	6.78	6.85	7.69	7.61	6.53
8	EC	m.mohs/cm	0.192	0.271	0.235	0.296	0.191
Chemical Properties							
9	Organic Carbon	%	0.68	0.30	0.31	1.25	1.77
10	Nitrogen as N	Kg/Ha	125	238	136	144	193
11	Phosphorous as P	Kg/Ha	6.61	8.44	7.66	7.96	7.69
12	Potassium as K ₂ O	Kg/Ha	187	126	125	144	152
13	Sodium as Na	mg/kg	32	26	41	38	30
14	Chloride as Cl	mg/kg	133	113	147	140	224
15	Sulphate as SO ₄	mg/kg	30	31	28	32	33
Sample Locations :							
S1 - Top soil (Kammathuru)							
S2 - Top soil (Deogiri)							
S3 - Top soil (SB Halli)							
S4 - Active Dump 1							
S5 - Active Dump 2							


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TEST REPORT

Table No. 24

Name of the Client			: The Sandur Manganese & Iron Ores Limited				
Name of the Project			: Mining Lease No. 2678				
Particulars of sample			: Soil Samples				
Sample Collected by			: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Date of sample collection			: 11.03.2025				
Date of sample receipt			: 12.03.2025				
Issue Date			: 01.04.2025				
Report No			N034025033	N034125033	N034225033	N034325033	N034425033
SL. No.	Sample Code		S6	S7	S8	S9	S10
	PARAMETERS	Unit	Results				
PHYSICAL PROPERTIES							
1	Colour	--	Red Soil	Red Soil	Red Soil	Red Soil	Red soil
2	Textural class	--	Clay Loam	Clay Loam	Slity Clay	Slity Clay	Clay Loam
3	Size Distribution						
	Sand	%	32.88	30.68	36.54	35.78	38.44
	Clay	%	30.25	29.18	31.05	30.85	31.33
	Silt	%	36.87	40.14	32.41	33.37	30.23
4	Moisture Content	%	7.44	7.12	7.69	6.93	6.95
5	Bulk Density	gm/cc	1.3	2.88	7.98	1.95	7.82
6	Water holding capacity	%	33.58	28.75	30.11	32.12	40.88
7	pH	--	7.42	7.21	7.62	7.61	7.16
8	EC	m.mohs/cm	0.435	0.63	0.68	0.399	0.578
Chemical Properties							
9	Organic Carbon	%	0.71	0.56	0.69	0.84	0.50
10	Nitrogen as N	Kg/Ha	135	118	144	186	138
11	Phosphorous as P	Kg/Ha	29	33	50	65	42
12	Potassium as K ₂ O	Kg/Ha	138	156	137	161	139
13	Sodium as Na	mg/kg	50	41	48	44	31
14	Chloride as Cl	mg/kg	33	30	30	36	32
15	Sulphate as SO ₄	mg/kg	34	28	32	33	36
Sample Locations :							
S6 - Appayyanahalli agriculture lan							
S7 - Vitthalanagar agriculture land							
S8 - Swamihalli agriculture land							
S9 -Tonasigere agriculture land							
S10 - Yeshwanthnagar agriculture land							

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TEST REPORT

Table No. 25

Stack Monitoring Report

Name of the Client :	The Sandur Manganese & Iron Ores Limited
Name of the Mine :	Subrayanahalli Manganese & Iron Ore Mine (ML NO. 2678)
Location :	KVH Iron Ore Mines
Stack ID & Capacity :	DG 1010 KVA (808 KW)
Sample Collected by :	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling :	Emissions collected through stack sampler
Date of Collection :	08.03.2025
Date of Sample Receipt :	10.03.2025
Report No :	N30825033
Issue date :	25.03.2025

STACK DETAILS

1	Fuel Used	Diesel
2	Ambient Temperature ($^{\circ}\text{C}$)	32
3	Stack Temperature ($^{\circ}\text{C}$)	174
4	Velocity (m/s)	14.79
5	Stack diameter (M)	0.30
6	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	3334
7	Sample Condition When Received	Satisfactory
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
9	Serial No. of the Equipment	338 DTH 14
10	Calibration due date	15.07.2025
11	Test Method	IS 11255 & flue gas analyser

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Standard
1	NO_x (as NO_2) (as 15% O_2), dry basis	ppmv	31.57	360
2	NMHC (as C) (at 15 % O_2)	mg/ Nm^3	36.21	100
3	PM (as C) (at 15 % O_2)	mg/ Nm^3	40.00	75
4	CO (at 15 % O_2)	(mg/ Nm^3)	52.00	150

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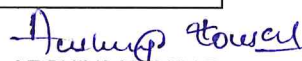
TEST REPORT

Table No. 26

Stack Monitoring Report

Name of the Client : The Sandur Manganese & Iron Ores Limited				
Name of the Mine : Subrayanahalli Manganese & Iron Ore Mine (ML NO. 2678)				
Location		: KVH IO MINES - SB HALLI		
Stack ID & Capacity		: 10 KVA TOWER LIGHT DG - Lighting		
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)		
Instrument used for sampling		: Emissions collected through stack sampler		
Date of Collection		: 07.03.2025		
Date of Sample Receipt		: 10.03.2025		
Report No		: N30125033		
Issue date		: 25.03.2025		
STACK DETAILS				
1	Fuel Used	Diesel		
2	Ambient Temperature (°C)	32		
3	Stack Temperature (°C)	146		
4	Velocity (m/s)	7.56		
5	Stack diameter (M)	0.15		
6	Quantity of flue Gas Discharged into atmosphere (Nm ³ /hr)	330		
7	Sample Condition When Received	Satisfactory		
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1		
9	Serial No. of the Equipment	338 DTH 14		
10	Calibration due date	15.07.2025		
11	Test Method	IS 11255 & flue gas analyser		
Pollutional Parameters (Result)				
Sl.No	Parameters	Unit	Results	Standard
1	Particulate Matter	g/Kw-hr	0.066	<0.2
2	CO	g/Kw-hr	0.206	<3.5
3	Nox +HC	g/Kw-hr	1.025	<4.0

INFERENCE	as per KSPCB
	Report Status - The measured values for the above parameters for those standards have been specified were observed to be within the said standards


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TEST REPORT

Table No. 27

Stack Monitoring Report

Name of the Client :	The Sandur Manganese & Iron Ores Limited
Name of the Mine :	Subrayanahalli Manganese & Iron Ore Mine (ML NO. 2678)
Location :	KVH IO MINES - SB HALLI
Stack ID & Capacity :	10KVA DG Sert - Water pumping
Sample Collected by :	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
instrument used for sampling :	Emissions collected through stack sampler
Date of Collection :	07.03.2025
Date of Sample Receipt :	10.03.2025
Report No :	N30225033
Issue date :	25.03.2025

STACK DETAILS

1	Fuel Used	Diesel
2	Ambient Temperature ($^{\circ}\text{C}$)	29
3	Stack Temperature ($^{\circ}\text{C}$)	144
4	Velocity (m/s)	6.59
5	Stack diameter (M)	0.15
6	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	289
7	Sample Condition When Received	Satisfactory
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
9	Serial No. of the Equipment	86 BTF 12
10	Calibration due date	15.07.2025
11	Test Method	IS 11255 & flue gas analyser

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Standard
1	Particulate Matter	g/Kw-hr	0.081	<0.2
2	CO	g/Kw-hr	0.497	<3.5
3	Nox +HC	g/Kw-hr	1.013	<4.0

INFERENCE

as per KSPCB

Report Status - The measured values for the above parameters for those standards have been specified were observed to be within the said standards

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TEST REPORT

Table No. 28

Stack Monitoring Report

Name of the Client :	The Sandur Manganese & Iron Ores Limited
Name of the Mine :	Kammathuru Iron Ore (KTIO) (ML No. 2678)
Location :	KTIO D-04 DUMP
Stack ID & Capacity :	7.5 KVA DG SET (Open DG) - Lighting
Sample Collected by :	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling :	Emissions collected through stack sampler
Date of Collection :	07.03.2025
Date of Sample Receipt :	10.03.2025
Report No :	N30325033
Issue date :	25.03.2025

STACK DETAILS

1	Fuel Used	Diesel
2	Ambient Temperature ($^{\circ}\text{C}$)	30
3	Stack Temperature ($^{\circ}\text{C}$)	142
4	Velocity (m/s)	6.62
5	Stack diameter (M)	0.15
6	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	292
7	Sample Condition When Received	Satisfactory
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
9	Serial No. of the Equipment	86 BTF 12
10	Calibration due date	15.07.2025
11	Test Method	IS 11255 & flue gas analyser

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Standard
1	Particulate Matter	g/Kw-hr	0.082	<0.2
2	CO	g/Kw-hr	0.545	<3.5
3	Nox +HC	g/Kw-hr	0.744	<4.0

INFERENCE	as per KSPCB Report Status - The measured values for the above parameters for those standards have been specified were observed to be within the said standards
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TEST REPORT

Table No. 29

Stack Monitoring Report

Name of the Client :	The Sandur Manganese & Iron Ores Limited
Name of the Mine :	Deogiri Manganese & Iron Ore Mine (ML NO. 2678)
Location :	BMM Plot
Stack ID & Capacity :	35 KVA DG SET - Lighting
Sample Collected by :	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling :	Emissions collected through stack sampler
Date of Collection :	07.03.2025
Date of Sample Receipt :	10.03.2025
Report No :	N30425033
Issue date :	25.03.2025

STACK DETAILS

1	Fuel Used	Diesel
2	Ambient Temperature (°C)	33
3	Stack Temperature (°C)	128
4	Velocity (m/s)	8.81
5	Stack diameter (M)	0.15
6	Quantity of flue Gas Discharged into atmosphere (Nm ³ /hr)	402
7	Sample Condition When Received	Satisfactory
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
9	Serial No. of the Equipment	338 DTH 14
10	Calibration due date	15.07.2025
11	Test Method	IS 11255 & flue gas analyser

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Standard
1	Particulate Matter	g/Kw-hr	0.069	<0.2
2	CO	g/Kw-hr	0.057	<3.5
3	Nox +HC	g/Kw-hr	0.364	<4.0

INFERENCE

as per KSPCB

Report Status - The measured values for the above parameters for those standards have been specified were observed to be within the said standards

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TEST REPORT

Table No. 30

Stack Monitoring Report

Name of the Client :	The Sandur Manganese & Iron Ores Limited
Name of the Mine :	Deogiri Manganese & Iron Ore Mine (ML NO. 2678)
Location :	K-Kolla W/Pump
Stack ID & Capacity :	100 KVA DG SET - Water pumping
Sample Collected by :	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling :	Emissions collected through stack sampler
Date of Collection :	08.03.2025
Date of Sample Receipt :	10.03.2025
Report No :	N30525033
Issue date :	25.03.2025

STACK DETAILS

1	Fuel Used	Diesel
2	Ambient Temperature ($^{\circ}\text{C}$)	28
3	Stack Temperature ($^{\circ}\text{C}$)	135
4	Velocity (m/s)	8.22
5	Stack diameter (M)	0.15
6	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	369
7	Sample Condition When Received	Satisfactory
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
9	Serial No. of the Equipment	338 DTH 14
10	Calibration due date	15.07.2025
11	Test Method	IS 11255 & flue gas analyser

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Standard
1	Particulate Matter	g/Kw-hr	0.059	<0.2
2	CO	g/Kw-hr	0.081	<3.5
3	Nox +HC	g/Kw-hr	0.354	<4.0

INFERENCE	as per KSPCB Report Status - The measured values for the above parameters for those standards have been specified were observed to be within the said standards
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TEST REPORT

Table No. 31

Stack Monitoring Report

Name of the Client :	The Sandur Manganese & Iron Ores Limited
Name of the Mine :	Deogiri Manganese & Iron Ore Mine (ML NO. 2678)
Location :	Deogiri- Work Shop
Stack ID & Capacity :	250 KVA DG SET - Lighting
Sample Collected by :	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling :	Emissions collected through stack sampler
Date of Collection :	08.03.2025
Date of Sample Receipt :	10.03.2025
Report No :	N30625033
Issue date :	25.03.2025

STACK DETAILS

1	Fuel Used	Diesel
2	Ambient Temperature (°C)	30
3	Stack Temperature (°C)	170
4	Velocity (m/s)	10.19
5	Stack diameter (M)	0.15
6	Quantity of flue Gas Discharged into atmosphere (Nm ³ /hr)	421
7	Sample Condition When Received	Satisfactory
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
9	Serial No. of the Equipment	86 BTF 12
10	Calibration due date	15.07.2025
11	Test Method	IS 11255 & flue gas analyser

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Standard
1	Particulate Matter	g/Kw-hr	0.037	<0.2
2	CO	g/Kw-hr	0.104	<3.5
3	Nox +HC	g/Kw-hr	0.304	<4.0

INFERENCE

as per KSPCB

Report Status - The measured values for the above parameters for those standards have been specified were observed to be within the said standards

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TEST REPORT

Table No. 32

Stack Monitoring Report

Name of the Client :	The Sandur Manganese & Iron Ores Limited
Name of the Mine :	Deogiri Manganese & Iron Ore Mine (ML NO. 2678)
Location :	Deogiri 86 Quarters
Stack ID & Capacity :	35 KVA DG SET - Colony Lighting
Sample Collected by :	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling :	Emissions collected through stack sampler
Date of Collection :	08.03.2025
Date of Sample Receipt :	10.03.2025
Report No :	N30725033
Issue date :	25.03.2025

STACK DETAILS

1	Fuel Used	Diesel
2	Ambient Temperature (°C)	32
3	Stack Temperature (°C)	128
4	Velocity (m/s)	8.5
5	Stack diameter (M)	0.15
6	Quantity of flue Gas Discharged into atmosphere (Nm ³ /hr)	388
7	Sample Condition When Received	Satisfactory
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
9	Serial No. of the Equipment	86 BTF 12
10	Calibration due date	15.07.2025
11	Test Method	IS 11255 & flue gas analyser

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Standard
1	Particulate Matter	g/Kw-hr	0.077	<0.2
2	CO	g/Kw-hr	0.178	<3.5
3	Nox +HC	g/Kw-hr	0.312	<4.0

INFERENCE

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Report Status - The measured values for the above parameters for those standards have been specified were observed to be within the said standards

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TEST REPORT

Table No. 33

Stack Monitoring Report

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Mine	: Kammathuru Iron Ore Mine (KTIO) (ML No. 2678)
Mobile Crusher Capacity	: 350 TPH
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Sample Condition When Received	: Satisfactory
Model of the Equipment used for Monitoring	: Emissions from stack collected through stack sample VSS1
Serial No. of the Equipment	: 338 DTH 14 and 86BTF12
Calibration due date	: Due on 15.07.2025
Test Method	: IS 11255
Date of Collection	: 21.03.2025
Date of Sample Receipt	: 24.03.2024
Issue date	: 27.03.2025

STACK DETAILS

1	Mobile Crusher Make & code	Power Screening Chieftain 2100	Terex India Pvt Ltd (Jaw Crusher)	Terex India Pvt Ltd (Cone Crusher)	Terex India Pvt Ltd (Jaw Crusher)
2	Report No	N/000125035	N/000225035	N/000325035	N/000425035
3	Stack height (M)	8	8	8	8
4	Stack diameter (M)	0.07	0.20	0.20	0.20
5	Stack Temperature ($^{\circ}$ C)	39	42	36	45
6	Velocity (m/s)	11.37	10.01	11.82	12.18
7	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	144.1	996.7	1199.8	1200.7

Pollutional Parameters (Result)

Sl.No	Parameters	Results			
1	Particulate matter (mg/Nm^3)	54	54	62	59
Permissible limits		Particulate matter (mg/Nm^3) 100			


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TEST REPORT

Table No. 34

Stack Monitoring Report

Name of the Client	: The Sandur Manganese & Iron Ores Limited				
Name of the Mine	: Kammathuru Iron Ore Mine (KTIO) (ML No. 2678)				
Mobile Crusher Capacity	: 250 TPH				
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Sample Condition When Received	: Satisfactory				
instrument used for sampling	: Emissions collected through stack sampler				
Serial No. of the Equipment	: 338 DTH 14 and 86BTF12				
Calibration due date	: Due on 15.07.2025				
Test Method	: IS 11255				
Date of Collection	: 22.03.2025				
Date of Sample Receipt	: 24.03.2025				
Issue date	: 27.03.2025				
STACK DETAILS					
1	Mobile Crusher Make & code	Sandvik/ MSP-7	Extech/MSP-7	Chieftatn-1400/MSP-8	Turbo Chieftain-1400/MSP-8
2	Report No	N/000525035	N/000625035	N/000725035	N/000825035
3	Stack height (M)	8	8	8	48
4	Stack diameter (M)	0.13	0.13	0.07	0.07
5	Stack Temperature ($^{\circ}$ C)	38	34	45	42
6	Velocity (m/s)	11.74	12.08	12.54	12.32
7	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	500.09	521.23	155.88	154.53
Pollutional Parameters (Result)					
Sl.No	Parameters	Results			
1	Particulate matter (mg/Nm^3)	54	60	62	58
Permissible limits		Particulate matter (mg/Nm^3) 100			


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TEST REPORT

Table No. 35

Stack Monitoring Report

Name of the Client	: The Sandur Manganese & Iron Ores Limited
Name of the Mine	: Kammathuru Iron Ore Mine (KTIO) (ML No. 2678)
Mobile Crusher Capacity	: 250 TPH
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Sample Condition When Received	: Satisfactory
instrument used for sampling	: Emissions collected through stack sampler
Serial No. of the Equipment	: 338 DTH 14
Calibration due date	: 15.07.2025
Test Method	: IS 11255
Date of Collection	: 24.03.2025
Date of Sample Receipt	: 25.03.2025
Issue date	: 27.03.2025

STACK DETAILS

1	Mobile Crusher Make & code	Terex-Pegson /MCP-1 (cone Crusher)	Terex-Pegson /MCP-1 (Jaw Crusher)
2	Report No	N/001925035	N/002025035
3	Stack height (M)	8	8
4	Stack diameter (M)	0.20	0.20
5	Stack Temperature ($^{\circ}$ C)	40	42
6	Velocity (m/s)	12.0	12.9
7	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	1219.20	1249.60

Pollutional Parameters (Result)

Sl.No	Parameters	Results	
1	Particulate matter (mg/Nm^3)	64	58
Permissible limits		Particulate matter (mg/Nm^3) 100	

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TEST REPORT

Table No. 36

Stack Monitoring Report

Name of the Client : The Sandur Manganese & Iron Ores Limited				
Name of the Mine : Deogiri Manganese & Iron Ore Mine (ML NO. 2678)				
Stack ID & Capacity		: Mobile Crusher Capacity : 250 TPH (MSP-4)		
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)		
instrument used for sampling		: Emissions collected through stack sampler		
Date of Collection		: 24.03.2025		
Date of Sample Receipt		: 25.03.2025		
Report No		: N/002125035		
Issue date		: 27.03.2025		
STACK DETAILS				
1	Fuel Used	Diesel		
2	Stack height (M)	8		
3	Stack diameter (M)	0.13		
4	Stack Temperature ($^{\circ}\text{C}$)	46		
5	Velocity (m/s)	12.93		
6	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	1271		
7	Sample Condition When Received	Satisfactory		
8	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1		
9	Serial No. of the Equipment	338 DTH 14		
10	Calibration due date	15.07.2025		
11	Test Method	IS 11255		
Pollutional Parameters (Result)				
Sl.No	Parameters	Unit	Results	Permissible limits
1	Particulate Matter	mg/Nm^3	59	100


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TEST REPORT

Table No. 37

RESULTS OF RESIPARBLE AIR-BORNE DUST SURVEY

Name of the Owner : Sandur Manganese & Iron Ores Limited

Name of the Mine : Deogiri Manganese & Iron Ore Mine (ML NO. 2678) (CBG)

Sample Collected by: Mr. A Srinivaslu

Issue Date : 25.03.2025

PERSONAL SAMPLER

SL.N O	DATE OF SAMPLE COLLECTION	Filter paper code	Report No	LOCATION / CATEGORY	Name of the person	DURATION OF SAMPLING			Volume of air (Lts)	DUST CONCEN- -TRATION mg/m ³ RPM	*PERMIS- SIBLE LIMIT mg/m ³
						FROM	TO	TOTAL HRS			
1	07.03.2025	342	FS000125033	Excavator operator 475 (2)	Ravi Kumar	09:05	16:30	7:25	634.1	1.26	3
2	07.03.2025	343	FS000225033	Truck Driver KA35 D- 8277	Karibasva Raj	09:15	16:40	7:25	1079.1	0.93	4
3	07.03.2025	344	FS000325033	Truck Driver KA-35 D-8275	Maby Sab	09:25	16:55	7:30	618.8	1.45	3
4	07.03.2025	346	FS000425033	Wheel Loader operator(Hindustan)	Parshuram	09:45	17:00	7:15	619.9	1.94	3
5	07.03.2025	345	FS-000525033	Ore stock spotter	Lokesh	09:50	17:00	7:10	591.3	1.52	3
6	08.03.2025	348	FS000725033	Drilling Jac Hammer KA35 P 7061	Vali Basha	09:15	16:35	7:20	605.0	2.15	3
7	08.03.2025	353	FS000825033	Loading spotter	Rama swamy D	09:20	16:25	7:05	605.6	1.49	3
8	08.03.2025	352	FS000925033	Dump Spotter	Hanumantha	09:30	17:00	7:30	641.3	1.56	3

STATIC SAMPLER

SL.N O	DATE OF SAMPLE COLLECTION	Filter paper code	Report No	LOCATION / CATEGORY	Name of the person	DURATION OF SAMPLING			Volume of air (Lts)	DUST CONCEN- -TRATION mg/m ³ RPM	*PERMIS- SIBLE LIMIT mg/m ³
						FROM	TO	TOTAL HRS			
9	07.03.2025	347	FS000625033	Haulage Road	Static	9:40	17:05	7:25	618.6	2.26	3
10	08.03.2025	350	FS001025033	Mobile screening	Static	9:55	17:10	7:15	870.0	1.49	3
11	08.03.2025	351	FS001125033	Dump Point	Static	9:40	17:00	7:20	611.6	1.47	3
12	08.03.2025	349	FS001225033	Loading Point	Static	9:50	17:10	7:20	770.0	1.56	3

*Note: Free Silica Analysis report for Deogiri Manganese & Iron Ore Mine (ML NO. 2678) (CBG) show less than 5% Free silica
the permissible limit for dust concentration shall be 3 mg/m³ (Ref: DGMS Reg 124(2) of MMR, 1961)

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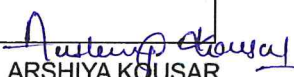
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TEST REPORT

Table No. 38

Free Silica Analysis Report

Name of the Owner : Sandur Manganese & Iron Ores Limited					
Name of the Mine : Kammathuru Iron Ore Mine (KTIO) (ML No. 2678)					
Sample Collected by: Mr. K Mallikarjuna					
Issue Date : 25.03.2025					
SL.NO	DATE OF SAMPLE COLLECTION	LOCATION / CATEGORY	Name of the person / Static	Free Silica Content (%)	Free Silica Limits (%)
<u>PERSONAL SAMPLER</u>					
1	07.03.2025	Excavator operator 475 (2)	Ravi Kumar	ND	5
2	07.03.2025	Truck Driver KA35 D- 8277	Karibasva Raj	ND	5
3	07.03.2025	Truck Driver KA-35 D-8275	Maby Sab	ND	5
4	07.03.2025	Wheel Loader operator(Hindustan)	Parshuram	ND	5
5	07.03.2025	Ore stock spotter	Lokesh	ND	5
6	08.03.2025	Drilling Jac Hammer KA35 P 7061	Vali Basha	ND	5
7	08.03.2025	Loading spotter	Rama swamy D	ND	5
8	08.03.2025	Dump Spotter	Hanumantha	ND	5
<u>STATIC SAMPLER</u>					
9	07.03.2025	Haulage Road	Static	ND	5
10	08.03.2025	Mobile screening	Static	ND	5
11	08.03.2025	Dump Point	Static	ND	5
12	08.03.2025	Loading Point	Static	ND	5
Note: ND-Not Detected, Detection Level : 0.0005%					


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