

**ENVIRONMENT MONITORING
REPORT FOR THE MONTH OF
JUNE-2025**



Client- M/s SREE METALIKS LTD.
Address- Anra, Upper Raigoda, Banspal
Dist- Keonjhar, Odisha



Monitored By - Green Force Associates Pvt. Ltd.
Address- Plot No-1363-3892, Baibhab Realcon,
Fulnakhara, Cuttack, Odisha- 754001
NABL Certificate No:- TC-12258

PHOTOGRAPHS OF ENVIRONMENT MONITORING





GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/027

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ1 - Near Entry Gate: 21°41'13.17"N Latitude & 85°26'17.90"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.06.2025	61.4	30.8	8.4	14.8
05.06.2025	58.2	29.1	7.6	14.2
09.06.2025	55.6	27.5	7.2	13.8
12.06.2025	58.2	28.8	7.8	14.4
16.06.2025	54.1	26.8	7.4	13.4
19.06.2025	53.2	25.8	6.8	12.8
23.06.2025	55.6	26.7	7.2	13.2
26.06.2025	53.4	25.5	6.8	12.8
30.06.2025	55.4	26.8	7.2	13
Max	61.40	30.80	8.40	14.80
Min	53.20	25.50	6.80	12.80
Avg	56.12	27.53	7.38	13.60
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/028

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ2 - Near Security Barak: 21°41'2.88"N Latitude & 85°25'56.46"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.06.2025	58.6	29.2	7.4	13.8
05.06.2025	56.2	27.6	6.8	12.6
09.06.2025	53.5	26.5	6.2	11.8
12.06.2025	54.8	26.8	6.4	12.2
16.06.2025	51.6	25.2	6.0	11.4
19.06.2025	50.2	24.5	5.6	10.8
23.06.2025	53.2	25.2	5.8	11.0
26.06.2025	51.1	24.6	5.2	10.4
30.06.2025	53.3	26.1	5.4	10.6
Max	58.60	29.20	7.40	13.80
Min	50.20	24.50	5.20	10.40
Avg	53.61	26.19	6.09	11.62
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

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[Signature]
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Bhubaneswar, Odisha

[Signature]
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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✉ Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/029

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ3 – Village Anara; Latitude: 21°41'20.01"N & Longitude: 85°26'19.10"E		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)
02.06.2025	54.2	26.5	5.6	11.2
05.06.2025	52.5	25.4	4.8	10.2
09.06.2025	50.2	23.8	<4.0	<9.0
12.06.2025	49.4	22.9	<4.0	<9.0
16.06.2025	47.2	22.4	<4.0	<9.0
19.06.2025	42.4	20.2	<4.0	<9.0
23.06.2025	43.5	20.8	<4.0	<9.0
26.06.2025	41.6	19.5	<4.0	<9.0
30.06.2025	42.8	19.8	<4.0	<9.0
Max	54.20	26.50	5.60	11.20
Min	41.60	19.50	<4.0	<9.0
Avg	47.09	22.37	5.20	10.70
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Sahoo

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Sahoo

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/030

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ4 - Village Raigad; Latitude: 21°40'58.51"N & Longitude: 85°25'26.93"E		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
02.06.2025	53.8	26.2	5.6	10.8
05.06.2025	51.8	25.2	4.8	10
09.06.2025	48.6	22.4	<4.0	<9.0
12.06.2025	47.5	22.2	<4.0	<9.0
16.06.2025	43.5	20.6	<4.0	<9.0
19.06.2025	40.5	18.4	<4.0	<9.0
23.06.2025	41.2	18.8	<4.0	<9.0
26.06.2025	39.6	17.2	<4.0	<9.0
30.06.2025	40.4	17.8	<4.0	<9.0
Max	53.80	26.20	5.60	10.80
Min	39.60	17.20	<4.0	<9.0
Avg	45.21	20.98	5.20	10.40
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

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Bhubaneswar, Odisha

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

(An ISO 14001, 9001, 45001 certified Consulting Organization & NABL Accredited Laboratory)

Report No- GFAPL/25-26/SMA/031

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ1 - Near Entry Gate: 21°41'13.17"N Latitude & 85°26'17.90"E Longitude AAQ2 - Near Security Barak: 21°41'2.88"N Latitude & 85°25'56.46"E Longitude		
Instrument Used	CO Analyser		
Sampling method	As Per IS: 5182		

Date of Sampling	CO (mg/m3)	
	AAQ1	AAQ2
02.06.2025	0.39	0.36
05.06.2025	0.38	0.34
09.06.2025	0.36	0.33
12.06.2025	0.37	0.34
16.06.2025	0.35	0.32
19.06.2025	0.34	0.31
23.06.2025	0.35	0.31
26.06.2025	0.32	0.3
30.06.2025	0.33	0.3
Max	0.39	0.36
Min	0.32	0.30
Avg	0.35	0.32
NAAQ* Standard	4	
Methods of Analysis	IS: 5182 (Part- 10)	

Reviewed By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Miss. Arti Sahoo

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.R. Parhi

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Report No- GFAPL/25-26/SMA/032

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ3 - Village Anara; Latitude: 21°41'20.01"N & Longitude: 85°26'19.10"E AAQ4- Village Raigad; Latitude: 21°40'58.51"N & Longitude: 85°25'26.93"E		
Instrument Used	CO Analyser		
Sampling Method	As Per IS: 5182		

Date of Sampling	CO (mg/m3)	
	AAQ3	AAQ4
02.06.2025	0.32	0.31
05.06.2025	0.3	0.29
09.06.2025	0.28	0.26
12.06.2025	0.25	0.22
16.06.2025	0.23	0.19
19.06.2025	0.2	0.18
23.06.2025	0.2	0.19
26.06.2025	0.19	0.18
30.06.2025	0.2	0.19
Max	0.32	0.31
Min	0.19	0.18
Avg	0.24	0.22
NAAQ* Standard	4	
Methods of Analysis	IS: 5182 (Part- 10)	

Reviewed By

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Miss. Arti Sahoo

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/033

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Location Code	Sampling Location	Date of Sampling	O ₃ ($\mu\text{g}/\text{m}^3$)	NH ₃ ($\mu\text{g}/\text{m}^3$)
AAQ-1	Near Entry Gate	19.06.2025	<8.0	<20.0
AAQ-2	Near Security Barak	19.06.2025	<8.0	<20.0
AAQ-3	Village Anara	19.06.2025	<8.0	<20.0
AAQ-4	Village Raigad	19.06.2025	<8.0	<20.0
NAAQ* Standard			100	400
Methods of Analysis			IS:5182 (Part-9)	IS:5182 (Part-25)

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Miss. Arti Sahoo

TECHNICAL MANAGER
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Bhubaneswar, ODISHA
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Report No- GFAPL/25-26/SMA/034

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler		
Sampling Method	As Per IS: 5182		

Location code	Sampling Location	Date of Sampling	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	C6H6 ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
AAQ-1	Near Entry Gate	19.06.2025	<0.1	<6.0	<0.5	<5	<1
AAQ-2	Near Security Barak	19.06.2025	<0.1	<6.0	<0.5	<5	<1
AAQ-3	Village Anara	19.06.2025	<0.1	<6.0	<0.5	<5	<1
AAQ-4	Village Raigad	19.06.2025	<0.1	<6.0	<0.5	<5	<1
NAAQ* Standard			1	20	6	5	1
Methods of Analysis			IS:5182 (Part-22)	IS:5182 (Part-26)	As per CPCB method followed by AAS	IS:5182 (Part-11)	IS:5182 (Part-12)

Reviewed By

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Miss. Arati Sahoo

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
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Report No- GFAPL/25-26/SMA/035

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ambient Noise Monitoring		
Location of performance of Laboratory activities	Site Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative	Date of Sampling	17.06.2025
Instrument Used	Sound Level Meter		
Sampling Method	As Per IS:9989		

Sl. No.	Locations	Day Time	Night Time
		Results in dB(A)	
1	Near Entry Gate; Latitude: 21°41'13.17"N & Longitude: 85°26'17.90"E	68.4	58.8
2	Near Security Barak; Latitude: 21°41'2.88"N & Longitude: 85°25'56.46"E	60.5	52.1
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75 dB(A)	Night Time – 70 dB(A)

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
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Bhubaneswar, Odisha

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/036

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Workzone Noise Monitoring		
Location of performance of Laboratory activities	Site Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative	Date of Sampling	17.06.2025
Instrument Used	Sound Level Meter		
Sampling Method	As Per IS:9989		

S. No.	Locations	Day Time	Night Time
		Results in dB(A)	
1	Near W.Bridge-1; Latitude: 21°40'67.60"N & Longitude: 85°26'45.20"E	66.9	59.1
2	Near W.Bridge-2; Latitude: 21°40'55.60"N & Longitude: 85°26'16.20"E	66.8	58.5
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75 dB(A)	Night Time –70 dB(A)

Reviewed By

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Note:

Authorized Signatory

TECHNICAL MANAGER
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Report No- GFAPL/25-26/SMA/037

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Fugitive Dust Emission		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Instrument Used	Respirable Dust Sampler (RDS)		
Sampling Method	As Per IS: 5182		

Sl. No.	Name of Location	Coordinates of Location	Date of Sampling	Result
1	Near W.Bridge - 1	Lat: 21°40'67.60"N Long:85°26'45.20"E	20.06.2025	418.2
2	Near W.Bridge - 2	Lat: 21°40'55.60"N Long: 85°26'16.20"E	20.06.2025	406.7
Fugitive Standard				1200
Methods of Analysis			IS:5182 (Part-4)	

Reviewed By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Parhi

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurdha
Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/038

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Stack Monitoring		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	20.06.2025
Sampling Location & Coordinates	ST1- Stack (ESP 1 connected to TG) ST2- Stack (ESP 2 connected to TG)		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		
Sampling Method	As Per IS:11255		

Sl. No.	Parameters	Testing Method	As per CTO Standard	ST1	ST2
01	Flue gas Temperature in K	IS-11255 (PART-3) 1985, (RA-2013)	---	369.0	376.0
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	16.06	16.16
03	PM (mg/Nm ³)	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	30	24.3	28.4
04	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	36.4	38.8

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ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Parida

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Mail Id: greenforceassociates@gmail.com
(An ISO 14001, 9001, 45001 certified Consulting Organization & NABL Accredited Laboratory)

Report No- GFAPL/25-26/SMA/038

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Stack Monitoring		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	20.06.2025
Sampling Location & Coordinates	ST1- Stack (ESP 1 connected to TG) ST2- Stack (ESP 2 connected to TG)		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		
Sampling Method	As Per IS:11255		

Sl. No	Parameters	Testing Method	As per CTO Standard	ST1	ST2
01	NO _x (mg/Nm ³)	IS-11255(PART-2) 1985	300	32.5	45.7

Reviewed By
CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Miss. Arti Sahoo

Authorized Signatory
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Mr. S.K. Parhi

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMA/039

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Sewage Treatment Plant		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	18.06.2025	Date of Complete	24.06.2025
Sampling Location	STP OUTLET		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per- MoEFCC 13 th October 2017	STP
01	pH Value @250C	APHA 24 th ED 4500 H+B:2023	--	6.5-9.0	7.08
02	Total Dissolved Solids(TDS)	APHA 24 th ED 2540-C: 2023	mg/l	--	120
03	Total Suspended Solids(TSS)	APHA 24 th ED 2540-D: 2023	mg/l	<50	18
04	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	--	<2.0
05	Biological Oxygen Demand	IS 3025 (PART 44) : 1993 REA-2009	mg/l	20	<2.0
06	Chemical Oxygen Demand	APHA 24 th ED 5220 C:2023	mg/l	--	12

REMARKS: Laboratory Oil & Grease BDL Value is <2.0

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Miss. Arti Sahoo

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED

Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Report No- GFAPL/25-26/SMA/039

Issued Date- 04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Sewage Treatment Plant		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	18.06.2025	Date of Complete	24.06.2025
Sampling Location	STP OUTLET		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per- MoEFCC 13 th October 2017	STP
01	Total Kjheldhal Nitrogen	APHA 24th ED 4500- Norg B; NH3-B, C:2023	mg/l	--	<0.7

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ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Parhi

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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurdha
Mail Id: greenforceassociates@gmail.com

Report No-GFAPL/25-26/ SMA /040

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Surface Water		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	18.06.2025	Date of Complete	24.06.2025
Sampling Location & Coordinates	SW: Brahmani nala; Latitude: 21°41'14.10"N & Longitude: 85°25'49.19"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
1.	Colour	IS 3025: (Part 4)- 1983	Hazen	300	<5.0
2.	Turbidity	APHA 24 th ED: 2130-B -2023	NTU	--	<1.0
3.	pH	APHA 24 th ED 4500- H+B:2023	---	6.5-8.5	7.28
4.	Conductivity	APHA 24 th ED 2510-B: 2023	μS/cm	--	192.4
5.	Total Dissolved Solid	APHA 24 th ED 2540-C: 2023	mg/l	1500	121.0
6.	Chloride(as Cl)	APHA 24 th Ed 4500- Cl-B:2023	mg/l	600	16.0
7.	Cyanide (as CN)	APHA 24 th ED 4500-CN-F	mg/l	0.05	<0.02
8.	Hexavalent Chromium(asCr+6)	APHA 24 th ED 3500-Cr-B: 2023	mg/l	0.05	<0.05
9.	Iron(as Fe)	APHA 24 th ED 3500-Fe-B: 2023	mg/l	50	0.36
10.	Sulfate(asSO ₄)	APHA 24 th ED 4500-SO ₄ D: 2023	mg/l	400	5.2
11.	Fluoride(as F)	APHA 24 th ED 4500-F-C: 2023	mg/l	1.5	<0.05

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Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
12	Oil & Grease (max)	IS 3025 PART 39-1991 RA-2003	mg/l	0.1	<2.0
13	Dissolved oxygen (min)	APHA 24 th ED 4500 O-C:2023	mg/l	4	6.3
14	BOD (3)days at 27°C (max)	IS 3025 (PART 44): 1993 REA-2009	mg/l	3.0	<2.0
15	Chemical Oxygen Demand as COD	APHA 24 th ED 5220 C:2023	mg/l	--	10

REMARKS: Laboratory Oil & Grease BDL Value is <2.0

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Mr. Arti Sahoo

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Mr. S.K. Parhi

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Report No-GFAPL/25-26/ SMA /040

Issued Date-04.07.2025

TEST REPORT

Client Name &Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Surface Water		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	18.06.2025	Date of Complete	24.06.2025
Sampling Location & Coordinates	SW: Brahmani nala; Latitude: 21°41'14.10"N & Longitude: 85°25'49.19"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
1.	Nitrate (as NO ₃)	APHA 24 th ED 4500-NO ₃ -B: 2023	mg/l	50	1.02
2.	Phenolic Compounds as C ₆ H ₅ OH	APHA 24 th ED 5530 B,D:2023	mg/l	--	<0.001
3.	Copper (as Cu)	IS: 3025(Part 42)	mg/l	1.5	<0.03
4.	Lead (as Pb)	APHA 3111 B,C	mg/l	0.1	<0.01
5.	Zinc (as Zn)	APHA 3111 B,C	mg/l	15	0.05
6.	Arsenic as As	IS: 3025 (Part 37)	mg/l	0.2	<0.001
7.	Selenium (as Se)	APHA 3114 B	mg/l	0.05	<0.001
8.	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.01	<0.001
9.	Total Coliform	APHA 24 th ED 9222-H: 2023	MPN/100 ml	5000	570

Reviewed By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Chief Analyst
Bhubaneswar, Odisha
Miss. Arti Sahoo

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Authorized Signature

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda
Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/ SMA/041

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ground Water		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	18.06.2025	Date of Complete	24.06.2025
Sampling Location & Coordinates	GW1-Inside Plant; Latitude: 21°40'58.14"N & Longitude: 85°26'9.43"E GW2-Village Anara; Latitude: 21°41'20.01"N & Longitude: 85°26'19.10"E GW3-Village Raigad; Latitude: 21°40'58.51"N & Longitude: 85°25'26.93"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW3
				AL	PL			
1.	Colour	IS 3025: (Part 4)- 1983	Hazen	5	15	<5.0	<5.0	<5.0
2.	Turbidity	APHA 24th ED: 2130-B - 2023	NTU	1	5	<1	<1	<1
3.	pH Value @250C	APHA 24th ED 4500-H+B:2023	--	6.5-8.5	NR	7.01	6.97	7.04
4.	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	500	2000	233.0	212.0	208.0
5.	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	250	1000	25.0	26.0	22.0
6.	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	140.0	128.0	132.0
7.	Calcium	APHA 24th Ed 3500- Ca-B:2023	mg/l	75	200	36.1	33.3	33.7
8.	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	12.2	10.9	11.7

--1 of 4--



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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW2
				AL	PL			
9.	Total Alkalinity	APHA 24th ED 2320-B: 2023	mg/l	200	600	130	117	119
10.	Residual Free Chlorine	APHA 24th ED 4500 CL-B: 2023	mg/l	0.2	1.0	<0.2	<0.2	<0.2
11.	Cyanide	APHA 24th ED 4500 CN-F: 2023	mg/l	0.05	NR	<0.02	<0.02	<0.02
12.	Total Chromium	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	NR	<0.05	<0.05	<0.05
13.	Iron	APHA 24th ED 3500-Fe-B: 2023	mg/l	0.3	NR	0.23	0.24	0.26
14.	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	4.6	3.8	4.1
15.	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	<0.05	<0.05	<0.05
16.	Boron	APHA 24th ED 4500 B-B: 2023	mg/l	0.5	1.0	<0.01	<0.01	<0.01
17.	Manganese	IS 3025 PART-59:2006 RA 2012	mg/l	0.1	0.3	<0.05	<0.05	<0.05
18.	Sodium as Na(max)	APHA 24th ED 3500-Na-B	mg/l	--	--	15.2	15.8	13.5
19.	Potassium as K(max)	APHA 24th ED 3500-K-B	mg/l	--	--	1.6	1.6	1.3

REMARKS: NR- not relaxable; AL-Acceptable Limit; PL- Permissible Limit;

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA
Miss. Arti Sahoo

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Mr. Arhi

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Report No- GFAPL/25-26/ SMA/041

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ground Water		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	18.06.2025	Date of Complete	24.06.2025
Sampling Location & Coordinates	GW1-Inside Plant; Latitude: 21°40'58.14"N & Longitude: 85°26'9.43"E GW2-Village Anara; Latitude: 21°41'20.01"N & Longitude: 85°26'19.10"E GW3-Village Raigad; Latitude: 21°40'58.51"N & Longitude: 85°25'26.93"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW3
				AL	PL			
1.	Odour	APHA 24th ED: 2150-B - 2023	---	Agreeable	Agreeable	U/O	U/O	U/O
2.	Taste	APHA 24th ED: 2160-B 24th ED	---	Agreeable	Agreeable	AL	AL	AL
3.	Nitrate	APHA 24th ED 4500-NO ₃ -E: 2023	mg/l	45	NR	1.72	1.68	1.64
4.	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.003	NR	<0.001	<0.001	<0.001
5.	Copper (as Cu)	IS: 3025(Part 42)	mg/l	0.05	1.5	<0.03	<0.03	<0.03
6.	Zinc (as Zn)	APHA 24th ED 3500 Zn: 2023	mg/l	5	15	<0.03	<0.03	<0.03
7.	Lead (as Pb)	APHA 24th ED 3500 Pb: 2023	mg/l	0.01	NR	<0.01	<0.01	<0.01
8.	Selenium (as Se)	APHA 24th ED 3500 B: 2023	mg/l	0.01	NR	<0.001	<0.001	<0.001
9.	Mercury (as Hg)	APHA 24th ED 3500Hg: 2023	mg/l	0.001	NR	<0.001	<0.001	<0.001



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Sl.No	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW3
				AL	PL			
10.	Arsenic (as As)	APHA24th ED 3500As: 2023	mg/l	0.01	0.05	<0.001	<0.001	<0.001
11.	Aluminum (as Al)	APHA24th ED 3500Al: 2023	mg/l	0.03	0.2	<0.01	<0.01	<0.01
12.	Mineral Oil	APHA 24th ED5220B: 2023	mg/l	0.5	NR	ND	ND	ND
13.	Anionic Detergents (as MBAS)	APHA24th ED 5540 C: 2023	mg/l	0.2	1.0	ND	ND	ND
14.	Phenolic Compound (as C ₆ H ₅ OH)	APHA 24th ED 5530 B,D: 2023	mg/l	--	--	<0.001	<0.001	<0.001
15.	Total Coliforms	APHA 24th ED 9222-H: 2023	MPN/100 ml	--	--	<1.8	<1.8	<1.8

REMARKS: NR- not relaxable; AL-Acceptable Limit; PL- Permissible Limit;

Reviewed By

ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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END OF REPORT

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurdha

Mail Id: greenforceassociates@gmail.com

Report No-GFAPL/25-26/ SMA/042

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Ground Water Level		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	17.06.2025		
Sampling Method	As Per CPCB Guidelines		

Sl. No.	Locations	Result
1	GWL1-Inside Plant; Latitude: 21°40'58.14"N & Longitude: 85°26'9.43"E	9.8 m
2	GWL2-Village Anara; Latitude: 21°41'20.01"N & Longitude: 85°26'19.10"E	10.2 m
3	GWL3-Village Raigad; Latitude: 21°40'58.51"N & Longitude: 85°25'26.93"E	9.9 m

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Miss. Arti Sahoo

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Mr. S.K. Parhi

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/ SMA /043

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Anra, Upper Raigoda, Banspal; Dist- Keonjhar, Odisha.		
Nature of Sampling	Soil		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Soil and Rock
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	18.06.2025	Date of Complete	24.06.2025
Sampling Location & Coordinates	S1-Inside Plant; Latitude: 21°40'57.85"N & Longitude: 85°26'10.16"E S2-Village Raigad; Latitude: 21°41'0.25"N & Longitude: 85°19'20.16"E S3-Village Anra; Latitude: 21°59'35.29"N & Longitude: 85°19'10.86"E		
Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameters	Testing Methods	Unit	Analysis Results		
				S-1	S-2	S-3
1.	pH	--	---	6.12	6.06	6.19
2.	Organic Carbon	IS: 2720(Part-26)-1987	%	0.98	1.46	1.4
3.	Moisture content	IS: 2720(Part-22)-1972	%	6.8	7.2	7.4
4.	Specific Gravity	IS: 2720(Part-3/Sec1)-1980	Gs	2.7	2.66	2.66
5.	Sulfate	IS: 2720(Part-27)-1977	mg/Kg	88	120	116

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TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Mr. S.K. Parhi

END OF REPORT

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurdha



Mail Id: greenforceassociates@gmail.com

(An ISO 14001, 9001, 45001 certified Consulting Organization & NABL Accredited Laboratory)

Report No- GFAPL/25-26/ SMA /043

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TEST REPORT

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Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameters	Testing Methods	Unit	Analysis Results		
				S-1	S-2	S-3
1.	Colour	GFAPL/SOP/Soil & Rock/01-23	---	Brown	Brown	Brown
2.	Electrical conductivity	IS:14767: 2000	µs/cm	204.5	186.8	189.5
3.	Soil Texture	GFAPL/SOP/Soil & Rock/02-23	---	Sandy loamy	Sandy Clay loamy	Sandy Clay loamy
4.	Bulk Density	GFAPL/SOP/Soil & Rock/03-23	gm/cc	1.35	1.27	1.27
5.	Calcium as Ca	IS: 2720(Part-23)	mg/kg	432	384	388
6.	Magnesium as Mg	GFAPL/SOP/Soil & Rock/04-23	mg/kg	214	190	192
7.	Nitrogen as N	IS:14684: 1999	kg/hect	72	112	114
8.	Phosphorus	GFAPL/SOP/Soil & Rock/05-23	kg/hect	30	30	32
9.	Potassium	GFAPL/SOP/Soil & Rock/06-23	mg/kg	164	142	136
10.	Chloride	GFAPL/SOP/Soil & Rock/07-23	mg/kg	118	114	112
11.	Manganese as Mn	GFAPL/SOP/Soil & Rock/08-23	mg/kg	8.84	5.24	5.64
12.	Iron	GFAPL/SOP/Soil & Rock/09-23	%	2.78	1.46	1.38

Reviewed By

CHIEF ANALYST

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BHUBANESWAR, ODISHA

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TECHNICAL MANAGER

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