

Prakash Industries Limited



(REGIONAL OFFICE)

93, 1st Floor, Kharavel Nagar, Unit-3, Bhubaneswar- 751001 (Odisha)

CIN: L27109HR1980PLC010724 Tele: 9437561184, 9438428464

E-mail: steel.power@rediffmail.com / sirkaguttumines@prakash.com

Website - www.prakash.com

Ref: PIL/SIOM/KJR/2025-26/43

Date: 05.05.2025

To,
The Member Secretary,
State Environment Impact Assessment Authority,
Ministry of Environment Forest & CC, (GOI),
Qr. No. 5RF-2/1, Unit – IX,
Bhubaneswar – 751022 (Odisha)

Sub.: Submission of Six Monthly Compliance Report towards the conditions stipulated in the Environment Clearance issued on dated 06.01.2017 along with Monitoring Data for Ambient Air, Water, Noise, Solid Waste, etc. for the period from October 2024 to March 2025 in respect of Sirkaguttu Iron & Manganese Ore Mine of M/s. Prakash Industries Limited in Keonjhar district of Odisha.

Ref.: 1. Environment Clearance no. SEIAA/ 2401 dated 06.01.2017.

Sir.

This has reference to the above mentioned subject. As per the provisions, we are submitting herewith six monthly Compliance Report along with Environmental Monitoring Data for Ambient Air, Water, Noise, Solid Waste, Expenses incurred for Environmental Management & Corporate Social Responsibility and Green Belt development during the period October 2024 to March 2025 of Sirkaguttu Iron & Manganese Ore Mines for which Environment Clearance was granted vide above referred letter.

We hope you will find the same in order.

Thanking you,

Yours faithfully.

For PRAKASH INDUSTRIES LIMITED,

For PRAKASH INDUSTRIES LTD.

Deepak Dashhering Strangnano

Sr. Vice President

Encl.: As above.

CC TO :

GOVT. OF INDIA MoFF & CC Integrated R.O. FAuthaneswar-751073





The Additional Principle Chief Conservator of Forest, Environment, Forests and Climate Change, (MoEF&CC), (Govt. of India), Regional Office, East Zone (EZ),A-31, Chandrasekharpur, Bhubneshwar, (Odisha)

The Member Secretary, State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – III, Bhubneshwar, (Odisha) 751012

The Regional Director,
Central Pollution Control Board (CPCB), Kasba New Market, Sector E,
East Kolkata Twp, Kolkata, (West Bengal) 700107

The Regional Officer, State Pollution Control Board, Keonjhar, (Odisha)

: For favour of information please.

Public Hearing Points & Compliance

SI. No.	IDDIIAD PAIDAG AN	Compliance	Expenditure (In Rs.)
1	Development of Road	Initially there was a narrow kachha road connecting Sirkaguttu village with the nearby village Mithirda which is 5.0 km away from the mines. The road has been expanded and developed to a metal road by the company and the road is being maintained regularly to keep it always in motorable condition.	Rs. 45,99,442/-
2	Electricity facility	Earlier, Electric power was not supplied to the Sirkaguttu village. After discussion with the electricity department by the company, the process for supply of electric power to the village was under taken and during the month of April'21, electric power was supplied to the village. In the mean time the company had provided street light & accessories to the village.	Rs.80,000/-
3	Health facility	Earlier, there was no hospital or primary health center in the village. People were traveling to nearby Government Hospital, Kalimati to get the medical treatment, which is 14 km away from the sirkaguttu village. Since April 2019 we have established a dispensary in the village with a full time pharmacist to provide medical treatment to the villagers. We are supplying free medicine to all the villagers and nearby people. Serious patients are being taken to the Kalimati and Keonjhar Hospitals with the help of company ambulance.	
4	Supply of drinking water	Two water tankers have been engaged by the company for supply of drinking water to the nearby villages every day. In addition to this, drinking water is also being supplied to the Sirkaguttu village through pipeline connection from an over head tank constructed by the company.	Rs.8,58,000/-
5	Vocational education	For the promotion of education, the company has appointed Six teachers in the local schools.	Rs.3,37,204/-
6		We have appointed 122 nos. of local people for mining work in different post according to their ability and qualification. In addition to this, we are paying monthly compensation to all the families (166 Nos.) of Sirkaguttu Village @ Rs 3000/- per family for the betterment of their livelihood.	Rs.1,93,49,765/-

For PRAKASH INDUSTRIES LTD.

Authorised Signatory



sultany Organization Empanellad with PCCF(Wildlife) & CWLW. Organiz dustry Development Council (CIDC), established by the Planning Commission (Gov) of india; coment Laboratory under Environment (Protection) Act, 1986

Report No.: PIL/CEMC/011124/AAQ

Date: 01.11.2024

Seal of Laboratory

Name of the Industries : M/s Prakash Industries Itd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : October 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Type of Sample

: Ambient Air Quality

A1 – Near Guest House

A2 - Near Office

A3 – Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

SI. no.	Station Code	Date of Monitoring			Results		
1	A1		PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	SO ₂ (µg/m³)	NO / / 3	
2		03.10.2024	45	19		NO ₂ (µg/m ³)	CO (mg/m ³
	A2	03.10.2024	48		6.8	13.4	BDL
	3 A3 03.10.2024		52	22	7.5	15.6	BDL
CPCB S	PCB Standards(24 hrly)			25	9.4	19.2	
	Testing Method		100	60	80		BDL
	resting M	ethod	Gravimetr	Gravim		80	4
lote: BL	ote: BDL value for CO-<0.11 mg/n		iciSO5182 (Part-23)RA2019	etriciS 05182 (Part- 24)RA2019	Improved West and Geake method ISO5182(Par t-2) RA2017	Modified Jacob & Hochheiser (Na- Arsenite)IS O5182(Part -6) RA2012	NDIR Spectroscopy IS O 5182(Part 10)RA2009



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Report No.: PIL/CEMC/011124/NL

Name of the Industries : M/s Prakash Industries Itd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

• Period of Monitoring : October 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Noise Level

NL1 – Near Guest house NL2 – Near Office NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

		Date of	Results { dB(A)}						
SI. no.	Station code	Monitoring	Day (0600-2200hr)			Night (2200-0600hi			
			Max.	Min.	Avg*	Max.	Min.	Avg*	
1	NL1	05.10.2024	43.4	33.6	39.8	34.2	BDL	30.5	
2	NL2	07.10.2024	46.6	34.8	42.2	35.8	BDL	31.6	
3	NL3	08.10.2024	51.2	36.4	46.5	37.4	BDL	32.7	

*Logarithmic Averages, BDL Limit: 30dB (A)All Values in dB (A)

Authorized Signatory

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Date: 01.11.2024

Seal of Laboratory

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Report No.: PIL/CEMCPL/021224/AAQ

· Name of the Industries : M/s Prakash Industries Itd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : November 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Air Quality

A1 - Near Guest House

A2 - Near Office

A3 - Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

SI.	Station	Date of	Results							
no.	Code	Monitoring	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m³)	CO (mg/m³)			
1	A1	01.11.2024	50	22	7.2	14.8	BDL			
2	A2	01.11.2024	54	25	8.6	17.2	BDL			
3	A3	01.11.2024	58	29	9.9	20.4	BDL			
CPCB :	CPCB Standards(24 hrly)		100	60	80	80	4			
	Testing Method		ISO5182 (Part-23)RA2019	ISO5182 (Part-24)RA2019	ISO5182 (Part-2) RA2017	ISO5182(Part-6) RA2012	ISO 5182(Part 10)RA2009			

Note: BDL value for CO-<0.11 mg/m3

Authorized Signatory Notes:

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Date: 02.12.2024

Laboratory At Plot No. 800/1274, Johal, Panel, Bhubaneswar-752101



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Report No.: PIL/CEMCPL/021224/NL

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : November 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Noise Level

NL1 - Near Guest house

NL2 - Near Office

NL3 - Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

		Date of Monitoring	Results { dB(A)}						
SI. no.	Station code		Day (0600-220		00hr)	Night (2200-060		600hr)	
			Max.	Min.	Avg*	Max.	Min.	Avg*	
1	NL1	04.11.2024	45.8	33.2	40.4	35.6	BDL	30.9	
2	NL2	05.11.2024	49.4	35.8	44.5	37.2	BDL	31.8	
3	NL3	06.11.2024	54.6	34.6	49.4	38.8	BDL	32.9	

^{*}Logarithmic Averages, BDL Limit: 30dB (A)All Values in dB (A)

Authorized Signatory

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Date: 02.12.2024

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a ISO 9001-2013 & B3 ONSAS 45001-2018 Cardinal Company, Empanelled with OCCL, ORBAG and SPCB of Govt. of Odisha Accredited by ABET, OCI for Eta Studios as: A Category Consultant Organization Empanelled with PCCF (Withinto) & CWLW, Odisha Enlisted in construction industry Development Council (CIDC), established by the Planning Commission (Govt of India) McEFACC, Govt of India, ABL, Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Date: 02.01.2025

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Report No.: CEMC/PIL/020125/AAQ

· Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : December 2024

• Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Air Quality

A1 - Near Guest House

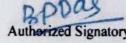
A2 - Near Office

A3 - Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

SI.	Station	Date of		Results							
no.	Code	Monitoring	PM ₁₀ (μg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	CO (mg/m³)				
1	A1	02.12.2024	52	24	7.8	15.4	BDL				
2	A2	02.12.2024	57	28	9.2	19.6	BDL				
3	A3	02.12.2024	62	34	10.1	22.2	BDL				
CPCB:	CPCB Standards(24 hrly)		100	60	80	80	4				
	Testing Method		ISO5182 (Part-23)RA2019	ISO5182 (Part-24)RA2019	ISO5182 (Part-2) RA2017	ISO5182(Part-6) RA2012	ISO 5182(Part 10)RA2009				

Note: BDL value for CO-<0.11 mg/m3



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Report No.: CEMC/PIL/020125/NL

Date: 02.01.2025

Name of the Industries : M/s Prakash Industries Itd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : December 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Noise Level

NL1 – Near Guest house NL2 – Near Office NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

		Date of Monitoring	Results { dB(A)}						
Sl. no.	Station code		Day (0600-2200hr)		Night (2200-0600				
			Max.	Min.	Avg*	Max.	Min.	Avg*	
1	NL1	04.12.2024	43.4	32.6	39.8	34.2	BDL	30.6	
2	NL2	05.12.2024	46.8	34.4	43.8	36.4	BDL	31.5	
3	NL3	06.12.2024	52.9	36.2	47.5	35.2	BDL	32.6	

*Logarithmic Averages, BDL Limit: 30dB (A)All Values in dB (A)





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Report No.: CEMC/PIL/220125/AAQ

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : January 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Air Quality

A1 - Near Guest House

A2 - Near Office

A3 - Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

SI.	Station	Date of Monitoring	Results							
no.	Code		PM ₁₀ (μg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)	CO (mg/m³)			
1	A1	07.01.2025	54	28	8.4	16.6	BDL			
2	A2	11.01.2025	60	32	9.8	20.2	BDL			
3	A3	17.01.2025	65	38	11.2	24.4	BDL			
CPCB	CPCB Standards(24 hrly)		100	60	80	80	4			
	Testing Method		ISO5182 (Part-23)RA2019	ISO5182 (Part-24)RA2019	ISO5182 (Part-2) RA2017	ISO5182(Part-6) RA2012	ISO 5182(Part 10)RA2009			

Note: BDL value for CO-<0.11 mg/m3

Authorized Signatory

Environmental Laboratory

Date: 22.01.2025

Seal of Laboratory

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Date: 13.01.2025

Environmental Laboratory

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Report No.: CEMC/PIL/130125/NL

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : January 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Noise Level

NL1 – Near Guest house NL2 – Near Office

NL3 - Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

		Date of	Results { dB(A)}						
SI. no.	Station code	Monitoring	Day (0600-2200hr)			Night (2200-0600hr			
			Max.	Min.	Avg*	Max.	Min.	Avg*	
1	NL1	04.01.2025	45.6	33.2	40.4	35.6	BDL	31.2	
2	NL2	06.01.2025	48.2	35.6	44.2	37.2	BDL	31.8	
3	NL3	07.01.2025	55.4	38.4	49.6	40.4	BDL	33.2	

*Logarithmic Averages, BDL Limit: 30dB (A)All Values in dB (A)

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Report No.: CEMC/PIL/280225/AAQ

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : February 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Ambient Air Quality

A1 - Near Guest House

A2 - Near Office

A3 - Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

SI.	Station	Date of			Results		
no.	Code	Monitoring	PM ₁₀ (μg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m³)	$NO_2(\mu g/m^3)$	CO (mg/m³)
1	A1	05.02.2025	58	30	8.8	18.2	0.28
2	A2	14.02.2025	64	35	10.2	22.6	0.21
3	A3	24.02.2025	70	39	13.4	28.8	0.25
CPCB S	PCB Standards(24 hrly)		100	60	80	80	4
	Testing Method		ISO5182 (Part-23) RA2019	ISO5182 (Part-24) RA2019	ISO5182 (Part-2) RA2017	ISO5182 (Part-6) RA2012	ISO 5182 (Part 10) RA2009

Note: BDL value for CO-<0.11 mg/m3

Authorized Signatory

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Date: 28.02.2025

Notes:

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Laboratory At. Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101



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McFF&CC, Govt. of India NASE, Recognized Environment Laboratory under Environment (Protection) Act, 1989.

Report No.: CEMC/PIL/270225/NL Date: 27.02.2025

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : February 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

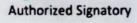
Type of Sample : Ambient Noise Level

NL1 – Near Guest house NL2 – Near Office NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

		Date of		Results { dB(A)}						
SI. no.	Station code	Monitoring	Day (0600-2200hr)		Night (2200-0600)					
			Max.	Min.	Avg*	Max.	Min.	Avg*		
1	NL1	06.02.2025	43.8	32.6	38.2	34.5	BDL	30.5		
2	NL2	15.02.2025	47.6	34.4	42.8	36.4	BDL	31.2		
3	NL3	25.02.2025	58.2	37.9	50.4	39.9	BDL	33.8		

*Logarithmic Averages, BDL Limit: 30dB (A)All Values in dB (A)



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Notes:

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Environmenta Laboratory

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An IND Sent-2016 A BS CHEAR 4981 2019 Certified Company Emparation with CE-CL (MARC and SPCB of Good of Francis Associated by MARCE - QUI for EIA Streets as A Company I constituted the protection. Emparation are Proceedings to Color of Community Development Council (C.B.C.) colabilished by the Planning Commission (Flore of India) MARCE - Good of India NASI. Recognized Environment Laboratory under Environment (Protection) Act. 1985.

Report No.: CEMC/PIL/020425/NL

Date: 02.04.2025

Name of the Industries M/s Prakash Industries ltd.

Sirkaguttu Iron and Manganese Ore Mine Name of the Mine

March 2025 Period of Monitoring

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by

Type of Sample : Ambient Noise Level

> NL1 - Near Guest house NL2 - Near Office NL3 - Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

		Date of	Results (dB(A))						
SI. no.	Station code	Monitoring	Day (0600-2200hr)		OOhr) Night ((2200-0600hr		
			Max.	Min.	Avg*	Max.	Min.	AVE*	
1	NL1	05.03.2025	44.2	33.4	39.8	34.6	BDL	30.9	
2	NL2	06.03.2025	49.4	36.2	44.2	38.2	BDL	31.6	
3	NL3	07.03.2025	56.8	37.4	51.6	40.6	BDL	32.4	

*Logarithmic Averages, BDL Limit: 30dB (A)All Values in dB (A)

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CENTRE FOR ENVOTECH AND

MANAGEMENT CONSULTANCY PVT. LTD.
An ISO 8001 2015 A DB CHESAS 45001 2018 Company, Empanyabled until GETL URBAG and SPCB of Great of Cellistic Accomplished by netted with PECFIFTHEITA) & CHIRCH Cultima Entitled in a Committed (Gove of India) MoSFACC Cover of India Construction Indicator Development Council (Citit.) established by the Planning Co MARL Recognized Environment Laboratory under Environment (Protection) Act, 1888.

Report No.: CEMC/PIL/020425/AAO

Name of the Industries : M/s Prakash Industries Itd.

: Sirkaguttu Iron and Manganese Ore Mine Name of the Mine

: March 2025 Period of Monitoring

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by

: Ambient Air Quality Type of Sample

A1 - Near Guest House

A2 - Near Office

A3 - Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

SI.	Station	Date of	Results					
	Code	Monitoring	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m³)	NO ₂ (μg/m³)	CO (mg/m	
-	A1	02.03.2025	55	28	8.4	15.4	BOL	
	A2	02.03.2025	60	34	9.6	20.8	BDL	
3	A3	02.03.2025	68	37	12.8	25.2	BDL	
CPCB :	Standards(100	60	80	80	4	
Testing Method		(S05182 (Part-23)RA2819	ISOS182 (Part-24)RA2019	(505182 (Part-2) RA2017	ISOS182(Part-6) RA2012	ISO 5182(Part 10)RA2009		

Note: BDL value for CO-<0.11 mg/m

Authorized Signatory

Rppas

Seal of Laboratory

Date: 02.04.2025

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DETAILS OF CORPORATE SOCIAL RESPONSIBILITY EXPENSES

SI.	For the period of October - 2024 to March - 20	25	
No.	Details of important work done at site (Panchayat/ Villages) etc	Expenses (In Rs.)	
	Drinking Water Facility		
1	(Engagement of water tanker for supply of drinking water to the nearby village and expenditure for supply of drinking water through pipeline.)	Rs.8,58,000/	
2	Promotion of Education		
_	(Teacher's salary)	Rs. 3,37,704/	
	Health care		
3	(Supply of medicine, Salary paid to Pharmacist & other medical Staffs, Ambulance, etc.)	Rs. 6,52,083/	
	Environmental awareness		
4	(Plantation, solar connection and water sprinkling on transportation road for suppression of dust)	Rs. 8,58,000/-	
5	Family Compensation paid to the Villagers	Rs. 29,43,000/	
6	Development of Village Road	Rs. 45,99,442/	
7	Financial assistance to the nearby villages for religious and cultural activities, sports competition etc.	Rs.1,25,000/-	
	Miscellaneous		
8	(Infrastructure development, expenses reference to social welfare activities etc.)	Rs.60,000/-	
	Grand Total =	Rs. 1,04,33,229/	

For PRAKASH INDUSTRIES LTD.

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Report No.: PIL/CEMC/011124/FE

Date: 01.11.2024

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

• Period of Monitoring : October 2024

• Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

• Type of Sample : Fugitive Emission

FE1 – Near Screening Plant FE2 – Near Crushing Plant

FE3 - Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

SI. no.	Complex	tion Date of Monitoring	Results			
	Code		RSPM (µg/m³)	NRSPM(µ g/m³)	TSPM (µg/m³)	
1	FE1	04.10.2024	96	228	324	
2	FE2	04.10.2024	85	205	290	
3	FE3	04.10.2024	93	184	277	
CPCB Standards			1200 μg/m³			
Testing Method			Gravimetric Method			

Mean

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Report No.: PIL/CEMC/011124/WZNL

Date: 01.11.2024

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine

: Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring

: October 2024

Sample Collected by

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample

: Work Zone Noise Level

WZNL1 - Near Screening Plant WZNL2 - Near Crushing Plant

WZNL3 - Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

	Time(Hrs)	Results in dB(A) Leq.				
SI. no.		WZNL1	WZNL2	WZNL3		
		09.10.2024	10.10.2024	11.10.2024		
1	8.00AM	62.4	61.5	60.1		
2	9.00AM	67.7	64.3	65.4		
3	10.00AM	69.5	68.9	67.6		
4	11.00AM	70.5	72.4	71.3		
5	12.00AN	72.4	74.2	73.4		
6	1.00PM	66.7	70.1	69.8		
7	2.00PM	65.4	66.4	64.5		
8	3.00PM	61.6	63.5	61.3		
N	lax.	72.4	74.2	73.4		
N	Ain.	61.6	61.5	60.1		
Avg.		65.3	66.6	65.7		
Prescribed OSHA Norm for Work Zone Area(08hrly)			90	03.7		

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Regd. Office: Plot No-522/3458, Near Utkal Hyundai, Opposite APEX Collage, Pahal, Bhubaneswar-752101, Odisha, E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemc.in, Mobile: 8763703371



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Report No.: PIL/CEMCPL/021224/FE

Date: 02.12.2024

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : November 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Fugitive Emission

FE1 – Near Screening Plant FE2 – Near Crushing Plant FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

		Date of Monitoring	Results			
SI. no.	Station Code		RSPM (µg/m³)	NRSPM(µ g/m³)	TSPM (µg/m³)	
1	FE1	02.11.2024	91	239	330	
2	FE2	02.11.2024	96	202	298	
3	FE3	02.11.2024	95	190	285	
CPC	B Standards	-		1200 µg/m ³		
Testing Method			Gravimetric Method			

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Report No.: PIL/CEMCPL/021224/WZNL

Date: 02.12.2024

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : November 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant WZNL2 – Near Crushing Plant

WZNL3 - Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

	Time(Hrs)	MEP'L PANEL	Results in dB(A) Lea	1
Sl. no.		WZNL1	WZNL2	WZNL3
		07.11.2024	08.11.2024	09.11.2024
1	8.00AM	60.2	59.3	58.7
2	9.00AM	66.8	63.8	67.4
3	10.00AM	70.4	70.2	69.5
4	11.00AM	72.6	75.6	75.8
5	12.00AN	74.8	77.4	78.1
6	1.00PM	72.1	73.7	74.2
7	2.00PM	69.4	69.4	70.4
8	3.00PM	65.8	67.9	68.6
	Max.	74.8	77.4	78.1
Min.		60.2	59.3	58.7
Avg.		67.7	69.5	70.1
Prescribed OSHA Norm for Work Zone Area(08hrly)			90	_

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Report No.: CEMC/PIL/020125/FE

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : December 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Fugitive Emission

FE1 – Near Screening Plant FE2 – Near Crushing Plant FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

Sl. no.	Station Code		Results			
		Date of Monitoring	RSPM (µg/m³)	NRSPM (μg/m³)	TSPM (µg/m³)	
1	FE1	03.12.2024	96	258	354	
2	FE2	03.12.2024	98	244	342	
3	FE3	03.12.2024	94	236	330	
CPCB Standards(8hrly)			1200 µg/m³			
Testing Method			Gravimetric Method			





Date: 02.01.2025

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EMIC NABL, Recognized Environment Council (CIDC), established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India.

Date: 02.01.2025

Report No.: CEMC/PIL/020125/WZNL

Name of the Industries : M/s Prakash Industries Itd.

: Sirkaguttu Iron and Manganese Ore Mine Name of the Mine

: December 2024 **Period of Monitoring**

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by

Type of Sample : Work Zone Noise Level

> WZNL1 - Near Screening Plant WZNL2 - Near Crushing Plant WZNL3 - Near Quarry

ANALYSIS DESILITS OF WORK TONE MOISE LEVEL

	It has a recently		Results in dB(A) Lea	
SI. no.	Time(Hrs)	WZNL1	WZNL2	WZNL3
		07.12.2024	09.12.2024	10.12.2024
1	8.00AM	54.8	58.4	60.1
2	9.00AM	58.2	62.6	65.7
3	10.00AM	63.5	66.8	62.5
4	11.00AM	60.4	70.4	72.6
5	12.00AN	68.3	75.8	70.3
6	1.00PM	73.2	71.3	69.2
7	2.00PM	66.5	68.2	65.4
8	3.00PM	60.5	64.7	61.2
	lax.	73.2	75.8	72.6
	lin.	54.8	58.4	60.1
Avg.		63.18	67.28	65.88
Prescribed OSHA Norm for Work Zone Area(8hrly)			90	in kandra





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Report No.: CEMC/PIL/240125/FE

Date: 24.01.2025

M/s Prakash Industries ltd. Name of the Industries :

: Sirkaguttu Iron and Manganese Ore Mine Name of the Mine

: January 2025 **Period of Monitoring**

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by

: Fugitive Emission Type of Sample

> FE1 - Near Screening Plant FE2 - Near Crushing Plant

FE3 - Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

			Results			
SI. no.	Station Code	Date of Monitoring	RSPM (µg/m³)	NRSPM (µg/m³)	TSPM (µg/m³)	
-	FE1	08.01.2025	89	295	384	
1		13.01.2025	96	270	366	
2	FE2				348	
3	FE3	21.01.2025	90	258	The state of the s	
COX	P Standard	(Shrlv)		1200 µg/m³		
CPCB Standards(8hrly) Testing Method			Gravimetric Method			

BPDas **Authorized Signatory**



Notes:

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Report No.: CEMC/PIL/130125/WZNL

Date: 13.01.2025

· Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : January 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant WZNL2 – Near Crushing Plant WZNL3 – Near Quarry

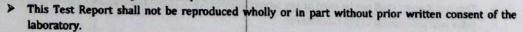
ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

			Results in dB(A) Lea	
Sl. no.	Time(Hrs)	WZNL1	WZNL2	WZNL3
	250250	08.01.2025	09.01.2025	10.01.2025
1	8.00AM	60.3	62.3	63.8
2	9.00AM	63.8	65.8	65.6
3	10.00AM	66.6	68.2	68.9
4	11.00AM	68.2	70.3	70.5
5	12.00AN	64.3	66.1	72.6
6	1.00PM	62.1	62.1	68.2
7	2.00PM	60.6	59.4	66.3
8	3.00PM	58.2	56.3	62.4
N	Max.	68.2	70.3	72.6
N	Ain.	58.2	56.3	62.4
Avg.		61.1	62.7	65.4
Prescribed OSHA Norm for Work Zone Area(8hrly)			90	

Authorized Signatory

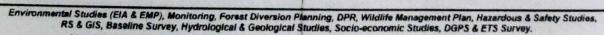


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Report No.: CEMC/PIL/280225/FE

Name of the Industries : M/s Prakash Industries ltd.

: Sirkaguttu Iron and Manganese Ore Mine Name of the Mine

: February 2025 **Period of Monitoring**

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by

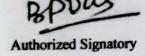
: Fugitive Emission Type of Sample

> FE1 - Near Screening Plant FE2 - Near Crushing Plant

FE3 - Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

				Results	
SI. no.	Station Code	Date of Monitoring	RSPM (µg/m³)	NRSPM (μg/m³)	TSPM (µg/m³)
		05.02.2025	92	328	420
1	FE1			342	436
2	FE2	14.02.2025	94		
		24.02.2025	88	320	408
3 FE3 24.02.2025 CPCB Standards(8hrly)			1200 µg/m³		
Testing Method			Gravimetric Method		





Date: 28.02.2025

Notes:

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Report No.: CEMC/PIL/270225/WZNL

Date: 27.02.2025

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : February 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Work Zone Noise Level

> WZNL1 - Near Screening Plant WZNL2 - Near Crushing Plant WZNL3 - Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

		10 10 10 10 10 10 10 10 10 10 10 10 10 1	Results in dB(A) Lec	
Sl. no.	Time(Hrs)	WZNL1	WZNL2	WZNL3
	STEARING THE PERSON NAMED IN	06.02.2025	15.02.2025	25.02.2025
1	8.00AM	61.2	61.4	64.2
2	9.00AM	64.8	68.5	67.4
3	10.00AM	69.5	70.9	71.7
4	11.00AM	72.9	73.3	75.6
5	12.00AN	74.2	72.5	72.9
6	1.00PM	70.1	69.4	68.4
7	2.00PM	67.9	64.1	65.1
8	3.00PM	65.4	62.5	62.7
No.	Aax.	74.2	73.3	75.6
	Vin.	61.2	61.4	62.7
Avg.		66.9	66.6	67.5
Prescribed OSHA Norm for Work Zone Area (8hrly)		90		

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Notes:

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Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

Head Office: Plot No-1666, Near Nilakantheswar Marg, Vibaba Estate Lane, Baramunda, Bhubaneswar-751003, Khurda, Odisha.

E-mail- cemcbbsr01@gmail.com, Mobile: 8763213647, 9090434693 Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101



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Report No.: CEMC/PIL/020425/FE

Name of the Industries : M/s Prakash Industries Itd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : March 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

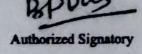
• Type of Sample : Fugitive Emission

FE1 - Near Screening Plant FE2 - Near Crushing Plant

FE3 - Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

	Station	Date of	Results			
SI. no.	Code	Monitoring	RSPM (µg/m³)	NRSPM (µg/m³)	TSPM (µg/m³)	
1	FE1	04.03.2025	90	354	444	
2	FE2	04.03.2025	88	390	478	
3	FE3	04.03.2025	94	398	492	
CPC	B Standard	s(8hrly)		1200 µg/m³		
	Testing Met		Gravimetric Method			





Date: 02.04.2025

- > The results relate only to the sample tested.
- > This test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- > The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- > This test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.



MANAGEMENT COURSE Sentential with OCCL, DRSAC and SPCB of Gov. of Orlinka According to An ISC 9001-2015 & ItS CHIRAG 40031 2018 Certified Company, Sentential with PCCF (Windows A CW) W. Cellsing Entential NABET. DCI for PIA Shintee as 'A' Cologory Consultant Council to the Planning Commission (Gov. of India) MoSFACC, Gov. of India (Consultant India) MoSFACC, Gov. of India (MAN), Recognized Environment (Libertatory India) Environment (Proteotion) Act, 1966.

Report No.: CEMC/PIL/020425/WZNL

. Name of the Industries : M/s Prakash Industries Itd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : March 2025

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Work Zone Noise Level

WZNL1 - Near Screening Plant WZNL2 - Near Crushing Plant WZNL3 - Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

			Results in dB(A) Lea	
SI. no.	Time(Hrs)	WZNL1	WZNL2	WZNL3
		03.03.2025	04.03.2025	05.03.2025
1	8.00AM	59.6	64.3	61.5
2	9.00AM	64.5	68.5	63.9
3	10.00AM	69.2	72.8	65.7
4	11.00AM	72.4	74.8	68.9
5	12.00AN	73.8	70.6	71.2
6	1.00PM	62.1	65.2	66.3
7	2.00PM	60.9	63.7	62.1
8	3.00PM	58.7	62.5	59.3
N	lax.	73.8	74.8	71.2
N	lin.	58.7	62.5	59.3
	vg.	65.5	66.9	
	A Norm for Work ea(Shriy)		90	63.4





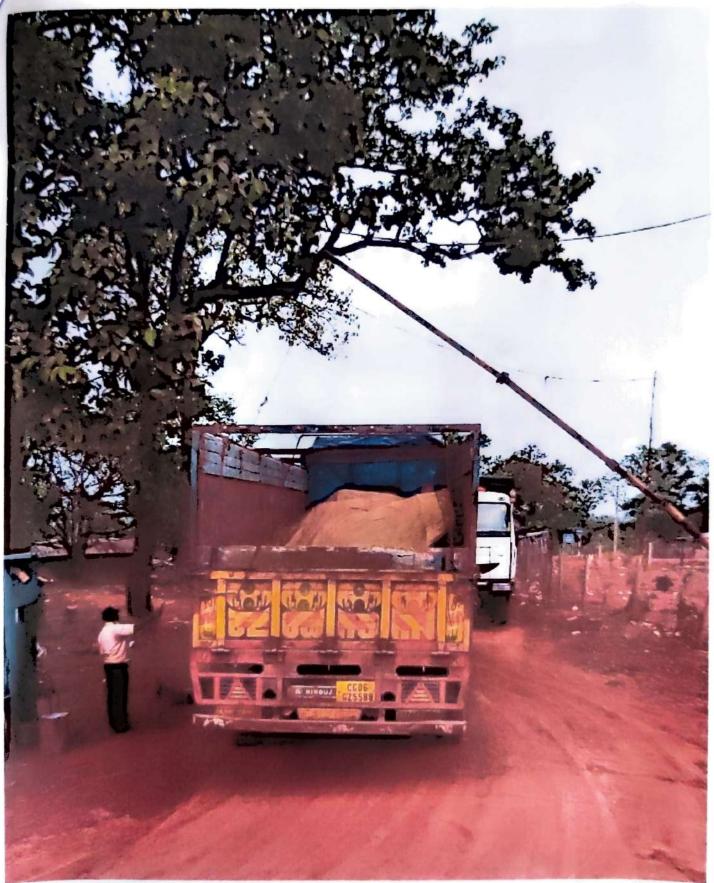
Date: 02.04.2025

Notes:

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E-mell-semabber91@gmall.com, Mobile: 8763213647, 9090434693 Laboratory At: Plot No. 800/1274, Johel, Pahal, Bhubaneswar-752101

Photographs of covered truck with tarpaulin



FOR PRAKASH INDUSTRIES LTD.

Authorisad Signatory

Date: 01.11.2024

dof Laboratory



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

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Report No.: PIL/CEMC/011124/SW

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : October 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Surface Water(SW1 – New Sirkaguttu, SW2 – Kaijorhanala)

Date of Sampling : 03.10.2024

ANALYSIS RESULTS OF SURFACE WATER

	T. Reconstant	Unit	Testing Methods	SW1	7.52
l. no.	Parameters	Oill	nii Metrr	7.44	A PROPERTY OF
1.	pH value		APHA24th Ed 4500-H+B: 2023 By Thermometer	13	11
2.	Temperature	₽C	APHA24th Ed 2550 B: 2023	42	38
3.	Suspended Solids	mg/l	Gravimetric Method APHA24th Ed 2540 D: 2023	18	14
4.	Turbidity	NTU	Nephelometric Method APHA24th Ed, 2130B: 2023		190
		mg/l	Gravimetric Method	196	Later Printer
5.	Total Dissolved Solids		APHA24th Ed, 2540 C: 2023 Conductivity Meter	282	277
6.	Electrical Conductivity(EC)	µmhos/cm	APHA24th Ed, 2510B: 2023 Titration Method	84	78
7.	Alkalinity (as CaCO ₃)	mg/l	APHA24th Ed. 2320B: 2023	66	62
8.	Total Hardness (as CaCO _s)	mg/l	EDTA Titrimetric Method APHA24th Ed, 2340C: 2023	14.8	18.2
9.		mg/l	EDTA Titrimetric Method APHA24th Ed 3500-Ca-B: 2023		
77.05	Calcium (as Ca)		Assestametric Method	24	32
10.	Chloride (as CI)	mg/l	APHA24th Ed 4500-CIB: 2023 Distillation followed by Spectrophotometric Method	<0.05	<0.05
11.	Fluoride (as F)	mg/l	APHA24th Ed 4500-F-D: 2023 Turbidimetric Method	16	22
12.	Sulfate (as SO ₄)	mg/l	APHA24th Ed 4500-SO42-E; 2023	7.8	7.2
13.	Magnesium (as Mg)	mg/l	Calculation Method APHA24th Ed 3500Mg B:2023	THE REAL PROPERTY.	0.06
		mg/l	By UV -Screen Method	0.07	0.06
14.	Nitrate (as NO ₃)	mg/i	APHA24th Ed 4500-NO3-B: 2023 Starmous Chloride Method	0.28	0.34
15.	Phosphate	mg/l	APHA24th Ed, 4500 P,D: 2023 Modified Winkler Method	5.4	5.8
16.	Dissolved Oxygen as O ₂	mg/l	APHA24th Ed 4500-OC:2023	<0.4	<0.4
17.	Sulfide (as S)	mg/l	By lodometric Method APHA24th Ed 4500-S2-F: 2023		
		mg/l	Oxygen Depletion Method	6.2	6.4
18.	BOD, 3 days at 27°C	mg/i	IS 3025(P-44):1993 Open Reflux Method	14.6	16.2
19.	COD	mg/l	APHA24th Ed 5220 B: 2023	<0.005	<0.005
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed, 3120B; 2023		
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
22.	The state of the s	mg/l	ICP Method APHA24th Ed, 3120B: 2023	0.026	0.020
71.	Manganese (as Mn)		ICP Method	<0.005	<0.005
23.	Cadmium (as Cd)	mg/l	APHA24th Ed, 3120B: 2023 By Diphenyl Carbezide Method	<0.05	<0.05
24.	Chromium(VI)	mg/l	APHA24th Ed, 3500-CrB: 2023	<0.005	<0.005
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed, 3120B: 2023		1-30-30
26.	Lead (as Pb)	mg/l	By ICP Method APHA24th Ed, 31208: 2023	<0.005	<0.005
27.		mg/l	By ICP Method	<0.005	<0.005
	Zinc (as Zn)		APHA24th Ed, 31208: 2023 By ICP Method	0.24	0.22
28.	Iron (as Fe)	mg/l	APHA24th Ed 3120B: 2023	sental)	10 AT 10 AT 10

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Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

Regd. Office: Plot No-522/3458,Near Utkal Hyundal,Opposite APEX Collage,Pahal, Bhubaneswar-752101, Odisha, E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemc.in, Mobile: 8763703371



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Date: 02.12.2024

Report No.: PIL/CEMCPL/021224/SW

Name of the Industries : M/s Prakash Industries ltd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : November 2024

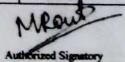
Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Type of Sample : Surface Water(SW1 – New Sirkaguttu, SW2 – Kaljorhanala)

Date of Sampling : 02.11.2024

ANALYSIS RESULTS OF SURFACE WATER

SI. no.	Parameters	Unit	Testing Methods	SW1	SW2
1.	pH value	_	pli Meter	7.38	7.50
2	Temperature	£	APHA24th Ed 4500-H+B: 2023 By Thormounter	12	10
3.	Suspended Solids	me/l	APHA24th 6d 2550 B: 2023 Oravissoric Method	38	34
4.	Turbidity	NTU	APHA246 6d 2540 D 2023 Negladomatric Method	16	12
5.	Total Dissolved Solids	me/l	APHA246 Ed, 21308: 2023 Gravemetric Method	192	186
6.	Electrical Conductivity(EQ)	umhos/cm	APHA246 Ed, 2580 C 2023 Conductivity Means	278	272
7.	Alkalinity (as CaCO _s)	me/l	APHA246 FA 2510B 2023 Titration Method	80	74
8.	Total Hardness (as CaCO ₃)	me/l	APILAZAG Ed. 2320B 2023 EDTA Termetric Method	60	56
9.	Calcium (as Ca)	me/l	APHA246 Ed 2340C 2023 EDTA Toronton Method	12.6	
10.	Chloride (as Cl)	me/l	APHA246 Ed 390-Co-8 2023		16.8
11.	Fluoride (as F)	mg/l	APIAZAS Ed 4500-C18: 2023 Demberon followed by Spectrophotometric Method	22	30
12.	Sulfate (as SO _n)		APRAZAG Fid 4166 F-Q 2021	<0.05	<0.05
13.	Magnesium (as Mg)	me/	APHAZON E4 4100-8042-E 2023	14	20
14.	Nitrate (as NO _b)	me/l	APSAZ46 Ed 1900dg B 2021 By UV - Screen Method	7.4	6.8
15.		me/l	APHA246 5d 4500-N()1-8; 202)	0.06	0.05
16.	Phosphate	me/l	APIA246 Ed 4580 P.D 2025	0.24	0.32
17.	Dissolved Oxygen as O ₂	men	Modified Walkler Modified APRIA24th Ed 4580-CC 2023	5.2	5.6
	Sulfide (as S)	mg/l	By Indonestra Martinel APRIAZAGE Fid 4580-52-P 2025	<0.4	<0.4
18.	800, 3 days at 27°C	me/l	Coppe Depleton Method IS 3025(P-44) 399)	6.6	6.8
19.	CO0	me/l	Open Rollin Martind APHA24th 14 5720 0 2023	15.2	17.4
20.	Copper(as Cu)	me/l	By K.Y Medical APHA240 Ed. 31200 2023	<0.005	<0.005
21.	Nickel (as Ni)	mel	By KT Method APTIAZING DA SERVE 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	K? Method APHA746 Ed. 34268: 2023	0.024	0.018
23.	Cadmium (as Cd)	mg/l	ICP Medical APHA246 Ed, 31200 2023	<0.005	<0.005
24.	Chromium(VI)	mg/l	By Diphanyl Carbonde Method APHA24th Ed. 3500-Cell: 2023	40.05	40.05
25.	Total Chromium	meA	By K7 Method APHAJ 4th Ed. 31208: 2023	<0.005	40,000
26.	Lead (as Pb)	mg/l	By IO Method APHA240 Ed, 31200: 2023	<0.005	40.009
27.	Zinc (as Zn)	me/l	By CP Method	40.005	40.00
28.	Iron (as Fe)	mg/l	By ICP Method	0.26	0.28
	and the second of the second o		APHA246 Ed 31208 2023	DE)	- Little -



Environmental Studies (ElA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

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MoEF&CC, Govt. of India, NABL, Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Date: 02.01.2025

Report No.: CEMC/PIL/020125/SW

Name of the Industries : M/s Prakash Industries Itd.

Sirkaguttu Iron and Manganese Ore Mine Name of the Mine

December 2024 **Period of Monitoring**

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by

: Surface Water(SW1 - New Sirkaguttu, SW2 - Kaijorhanala) Type of Sample

02.12.2024 **Date of Sampling** WATER

		ANALY	SIS RESULT	S OF SURFACE WATER	SW1	SW2
il. no.	Parameters	Unit		Testing Methods	7.32	7.48
1.	pH value	_	pH Meter APHA24th Ed 4	500-H+B: 2023	10	9
2.	Temperature	€C	By Thermometo APHA24th Ed 2		36	30
3.	Suspended Solids	mg/l	Gravimetric Met APHA24th Ed 2	hod	14	10
4.	Turbidity	NTU	Nephelometric N APHA24th Ed, 2	Aethod	188	182
		mg/l	Gravimetric Met	hod		264
5.	Total Dissolved Solids		Conductivity Me	SCT .	270	
6.	Electrical Conductivity(EC)	μmhos/cm	APHA24th Ed, 2 Titration Method	THE REAL PROPERTY OF THE PARTY	78	70
7.	Alkalinity (as CaCO ₃)	mg/l	APHA24th Ed, 2	2320B: 2023 ic Method	58	52
8.	Total Hardness (as CaCO ₃)	mg/l	APHA24th Ed, 2	2340C: 2023 ic Method	11.8	14.4
9.	Calcium (as Ca)	mg/l	APHA24th Ed 3	500-Ca-B: 2023	20	28
10.	Chloride (as Cl)	mg/l	Argentometric N APHA24th Ed 4	SOOLCIR: 2023	<0.05	<0.05
11.	Fluoride (as F)	mg/l	APHA24th Ed 4	wed by Spectrophotometric Method 500-F-D: 2023	12	18
12.	Sulfate (as 50 ₄)	mg/l	T. Midimetric M	ethod 500-SO42-E: 2023	7.2	6.4
13.	Magnesium (as Mg)	mg/l	Calculation Met APHA24th Ed 3	pod		0.04
		mg/l	By UV -Screen	Method	0.05	DIE CONTRACTOR
14.	Nitrate (as NO ₃)	-	Stangous Chlorie	500-NO3-B: 2023 de Method	0.22	0.30
15.	Phosphate	mg/l	APHA24th Ed, 4 Modified Winkle	er Method	5.4	5.8
16.	Dissolved Oxygen as O ₂	mg/l	APHA24th Ed 4	500-OC:2023 feibod	<0.4	<0.4
17.	Sulfide (as S)	mg/l	APHA24th Ed 4	500-S2-F: 2023	6.2	6.4
18.	BOD, 3 days at 27°C	mg/l	Oxygen Depletion IS 3025(P-44):19	93	14.6	16.8
19.	COD	mg/l	Open Reflux Me APHA24th Ed 52	thod 20 B; 2023		
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed, 3	120B: 2023	<0.005	<0.005
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed, 3		<0.005	<0.009
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed, 3		0.022	0.016
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed, 3	A STATE OF THE STATE OF THE STATE OF	<0.005	<0.005
24.		mg/l	By Diphenyl Cart	nzide Method	<0.05	<0.05
25.	Chromium(VI)		APHA24th Ed, 3 By ICP Method		<0.005	<0.005
	Total Chromium	mg/l	APHA24th Ed, 3	120B: 2023	<0.005	<0.005
26.	Lead (as Pb)	mg/l	APHA24th Ed, 31	208: 2023		<0.005
27.	Zinc (as Zn)	mg/l	APHAZ4th Ed, 31	208: 2023	0.005	0.30
28.	Iron (as Fe)	mg/l	By ICP Method APHA24th Ed 31	20B: 2023	121	0.30

Bpoas **Authorized Signatory**

Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

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Date: 02.01.2025

Report No.: CEMC/PIL/020125/GW

Name of the industries : M/s Prakash industries itd.

Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring : December 2024

Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Date of Sampling : 02.12.2024
 Type of Sample : Ground Water

GW1 – Malangtoli GW2 – Kadakala GW3 – Sirkaguttu GW4 – Kaijorha

ANALYSIS RESULTS OF GROUND WATER

Ground Water Quality- Organoleptic and Physical Parameters

SI.			No					
no.	Parameters	Unit	Acceptable Limit	Permissible Limit	GW1	GW2	GW3	GW4
1.	Color, max	Hazen	5	15	-		No.	
2.	Taste				<5	<5	<5	<5
3.	pH value		Agreeable	Agreeable	Agr.	Agr.	Agr.	Agr.
		-	6.5-8.5	No relaxation	7.15	7.05	7.15	7.08
4.	Conductivity	µmhos/cm	-	_		A CONTRACTOR		
5.	Turbidity, max			_	50	63	55	45
		NTU	1	5	<1	<1	<1	<1
6.	Total Dissolved Solids, max	mg/l	500	2000	225	240	232	237

Ground Water Quality- General Parameters Concerning Substances Undesirable in Excessive Amounts

SL			No	rms	1			GW4
no.	Parameters	Unit	Acceptable Limit	Permissible Limit	GW1	GW2	GW3	
1.	Total Alkalinity, max	mg/l	200	600	130	138	128	134
2.	Total Hardness, max	mg/l	200	600	127	145	151	126
3.	Calcium, max	mg/l	75	200	17.9	21.8	20.1	25.9
4.	Chloride, max	mg/l	250	1000	43.6	32.1	31.6	38.4
5.	Fluoride, max	mg/l	1.0	1.5	0.08	0.12	0.14	0.15
6.	Sulphate, max	mg/l	200	400	40	38	37	40
7.	Iron, max	mg/l	1.0	No relaxation	0.18	0.20	0.26	0.12
8.	Zinc, max	mg/l	5	15	0.16	0.22	0.17	0.19
9.	Nitrate, max	mg/l	45	No relaxation	0.21	0.38	0.24	0.22
10.	Free Residual Chlorine, min	mg/l	0.2	1.0	ND	ND	ND	ND
11.	Phenolic Compound, max	mg/l	0.001	0.002	<0.01	<0.01	<0.01	<0.01
12.	Manganese, max	mg/l	0.1	0.3	0.006	0.012	0.008	0.016
13.	Copper, max	mg/l	0.05	1.5	<0.005	<0.005	<0.005	<0.005
14.	Boron, max	mg/l	0.5	1.0	<0.2	<0.2	<0.2	<0.2

Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

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Ground Water Quality - Parameters Concerning Toxic Substances

		1	N	orms		GW2	GW3	GW4
SI.	Domination .	Unit	Acceptable	Permissible	GW1	GWZ		
no.	Parameters	30000	Limit	Limit	<0.005	<0.005	<0.005	<0.005
			0.02	No relaxation			<0.005	<0.009
1.	Nickel, max	mg/l	0.003	No relaxation	<0.005	<0.005		ND
2.	Cadmlum, max	mg/l		No relaxation	ND	ND	ND	1000
_		mg/l	0.05		<0.005	<0.005	<0.005	<0.00
3.	Cyanide, max	mg/l	0.05	No relaxation	<0.05	<0.05	<0.05	<0.05
4.	Total Chromium, max		5	\$			<0.005	<0.00
5.	Hexavalent Chromulm	mg/l	0.01	No relaxation	<0.005	<0.005	40.000	
6.	Lead, max	mg/l	0.01					

Ground Water Quality- Bacteriological Quality of Drinking Water

-		-	I N	orms			GW3	GW4
SI.		Unit	Acceptable	Permissible	GW1	GW2	Gus	
no.	Parameters		Limit	Limit	Nil	Nil	Nil	Nil
	Coliform Organism(E.Coli)	MPN/100m	-		Nil	Nil	Nil	Nil
				5 P. C. T. Marks			Nil	Nil
	TO A STATE OF THE		Commence of the Commence of th	-	MII	1		
2.	Fecal Coliform Total Coliform	MPN/100m MPN/100m	Commence of the Commence of th	-	Nil	Nil	Nil	





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Report No.: CEMC/PIL/090125/SW

Name of the Industries : M/s Prakash Industries Itd.

Name of the Mine

: Sirkaguttu Iron and Manganese Ore Mine

Period of Monitoring

: January 2025

Sample Collected by

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd.

Date: 09.01.2025

Type of Sample

: Surface Water(SW1 - New Sirkaguttu, SW2 - Kaijorhanala)

Date of Sampling

: 02.01.2025

SI. no.	Parameters	Unit	IS RESULTS OF SURFACE WATER Testing Methods	SW1	SW2
1.	pH value		pH Meter		
2.	Temperature		APHA24th Ed 4500-H+B: 2023 By Thermometer	7.28	7.44
3.	Suspended Solids	°C	APHA24th Ed 2550 B: 2023	11	14
4.		mg/l	Gravimetric Method APHA24th Ed 2540 D: 2023	40	34
5.	Turbidity	NTU	Nephelometric Method APHA24th Ed, 2130B: 2023	16	12
	Total Dissolved Solids	mg/l	Gravimetric Method	194	186
6.	Electrical Conductivity(EC)	µmhos/cm	APHA24th Ed, 2540 C: 2023 Conductivity Meter	288	
7.	Alkalinity (as CaCO ₃)	mg/l	APHA24th Ed, 2510B: 2023 Titration Method		274
8.	Total Hardness (as CaCO ₃)		APHA24th Ed, 2320B: 2023 EDTA Titrimetric Method	84	76
9.	Calcium (as Ca)	mg/l	APHA24th Ed, 2340C: 2023 EDTA Tritrimetric Method	62	56
10.		mg/l	APHA24th Ed 3500-Ca-B: 2023	10.6	12.8
11.	Chloride (as CI)	mg/l	Argentometric Method APHA24th Ed 4500-CIB: 2023	22	30
	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F-D: 2023	0.15	0.18
12.	Sulfate (as SO ₄)	mg/l	Turbidizzetric Method APHA24th Ed 4500-SO42-E: 2023	14	20
13.	Magnesium (as Mg)	mg/l	Calculation Method	7.6	
14.	Nitrate (as NO ₃)	mg/l	APHA24th Ed 3500Mg B:2023 By UV -Screen Method		6.8
15.	Phosphate		APHA24th Ed 4500-NO3-B: 2023 Starenous Chloride Method	0.06	0.05
16.		mg/l	APHA24th Ed, 4500 P.D: 2023	0.26	0.34
17.	Dissolved Oxygen as O ₂	mg/l	Modified Winkler Method APHA24th Ed 4500-OC:2023	5.6	5.2
	Sulfide (as S)	mg/l	By Iodometric Method APHA24th Ed 4500-S2-F: 2023	<0.4	<0.4
18.	BOD, 3 days at 27°C	mg/l	Oxygen Depletion Method IS 3025(P-44):1993	6.6	6.8
19.	COD	mg/l	Open Reflux Method		
20.	Copper(as Cu)	_	APHA24th Ed 5220 B: 2023 By ICP Method	15.2	17.4
21.	Nickel (as NI)	mg/l	APHA24th Ed, 3120B: 2023 By ICP Method	<0.005	<0.005
22.		mg/l	APHA24th Ed, 3120B: 2023 ICP Method	<0.005	<0.005
23.	Manganese (as Mn)	mg/l	APHA24th Ed, 3120B: 2023	0.026	0.018
	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
24.	Chromium(VI)	mg/l	By Diphenyl Carbazide Method APHA24th Ed. 3500-CrB: 2023	<0.05	<0.05
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	
26.	Lead (as Pb)	mg/l	By ICP Method		<0.005
27.	Zinc (as Zn)		APHA24th Ed, 31208: 2023 By ICP Method	CV	<0.005
28.		mg/l	APHAZAth Ed, 31208: 2023 By ICP Method	<0.005	<0.005
1770	Iron to tal	mg/l	APHA24th Ed 3120B: 2023	ntai 2 0.28	0.34

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Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

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MoEF&CC, Govt. of India, NABL, Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Date: 13.02.2025

Report No.: CEMC/PIL/130225/SW

Name of the industries : M/s Prakash industries Itd.

Sirkaguttu Iron and Manganese Ore Mine Name of the Mine

February 2025 **Period of Monitoring**

M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by : Surface Water(SW1 - New Sirkaguttu, SW2 - Kaijorhanala)

Type of Sample **Date of Sampling**

NALYSIS RESULTS OF SURFACE WATER

SI.	Parameters	Unit	Testing Methods	SW1	SW2
no.	Parameters		pH Meter [APHA24th Ed 4500-H+B: 2023]	7.36	7.52
1.	pH value	_	By Thermometer [APHA24th Ed 2550 B: 2023]	13	15
_	Temperature	oC .	By Thermometer APHAZ4th Ed 2570 D. 2023	38	32
2.	Suspended Solids	mg/l	Gravimetric Method [APHA24th Ed 2540 D: 2023]	14	10
3.		NTU	Nephelometric Method [APHA24th Ed. 2130B: 2023]	188	182
4.	Turbidity Total Dissolved Solids	mg/l	Gravimetric Method [APHA24th Ed, 2540 C: 2023]	284	268
5.	Total Dissolved Solids	µmhos/cm	Conductivity Motor [APHA24th Ed, 2510B: 2023]	80	72
6.	Electrical Conductivity(EC)	mg/l	Titration Method [APHA24th Ed, 2320B: 2023]	58	52
7.	Alkalinity (as CaCO ₃)	mg/l	EDTA Titrimetric Method [APHA24th Ed, 2340C; 2023]	9.4	11.2
8.	Total Hardness (as CaCO ₃)		CDT A Titrimetric Method	9.4	
9.	Calcium (as Ca)	mg/l	APHA24th Ed 3500-Ca-B: 2025	20	28
10.	Chloride (as CI)	mg/l	APHA24th Ed 4500-CIB: 2023 Distillation followed by Spectrophotometric Method	<0.05	<0.05
11.	Fluoride (as F)	mg/l	APHA24th Ed 4500-F-D: 2023	12	18
12.	Sulfate (as SO ₄)	mg/l	Turbidimetric Method APHA24th Ed 4500-SO42-E: 2023	7.2	6.4
		mg/l	Calculation Method APHA24th Ed 3500Mg B:2023		
13.	Magnesium (as Mg)		Rv LIV -Screen Method	0.05	0.04
14.	Nitrate (as NO ₃)	mg/l	APHA24th Ed 4500-NO3-B: 2023	0.22	0.30
15.	Phosphate	mg/l	Stemnous Chloride Method APHA24th Ed, 4500 P.D: 2023	5.2	5.6
16.	Dissolved Oxygen as O ₂	mg/l	Modified Winkler Method APHA24th Ed 4500-OC:2023		<0.4
17.	Sulfide (as S)	mg/l	By Iodometric Method APHA24th Ed 4500-S2-F: 2023	<0.4	
18.		mg/l	Oxygen Depletion Method	6.4	6.6
hila.	BOD, 3 days at 27°C		IS 3025(P-44):1993 Open Reflux Method	14.8	15.2
19.	COD	mg/l	APHA24th Ed 5220 B: 2023		<0.005
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed, 3120B: 2023	<0.005	
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed, 3120B: 2023	0.024	0.016
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
24.		mg/l	By Diphenyl Carbazide Method	<0.05	<0.05
	Chromium(VI)		APHA24th Ed, 3500-CrB: 2023 By ICP Method	<0.005	<0.005
25.	Total Chromium	mg/l	APHA24th Ed, 3120B: 2023	1000000	-0.00
26.	Lead (as Pb)	mg/l	By ICP Method APHA24th Ed, 31208: 2023	<0.005	<0.005
27.	Zinc (as Zn)	mg/l	By ICP Method APHA24th Ed, 31208: 2023	<0.005	<0.005
28.	iron (as Fe)	mg/l	By ICP Method APHA24th Ed 3120B: 2023	0.26	0.28



Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

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Report No.: CEMC/PIL/02042/SW

. Name of the Industries :

M/s Prokesh Industries Itd.

. Name of the Mine

Sirkaguttu Iron and Manganese Ore Mine

. Period of Monitoring

Morch 2025

Sample Collected by

: M/s Centre for Envitech and Management Consultancy Pvt. Ltd.

Date: 02.04.2025

Type of Sample

: Surface Water(SW1 - New Sirkaguttu, SW2 - Kaljorhanala)

. Date of Sampling

: 03.03.2025

E ma	Parameters	UNR	SIS RESULTS OF SURFACE WATER		
1	pH value	UMR	nel Many	99/1	9072
2.	Temperature		APPIAZON DE CONDUISON 2021	7.44	7.58
3.		£	By Thermoseter APRIAZAD Ed 25th B: 2023	16	18
4	Suspended Solida	mg/l	Oranimaria Method APMA24th Ed 2540 D: 2023	40	36
-	Turbidity	NTU	Nepto Inquerir Manhael		
	Total Dissolved Solids	me/l	APHA246 Rd. 2110B. 2023	16	12
6.	Electrical Conductivity(EC)	µmhos/cm	APHA246 SA 2540 C 2023 Community Money	196	190
7.	Alterinity (as CaCO ₂)	me/l	APHA240 54 25100: 2023	292	270
8.	Total Hardness (as CaCO ₃)		APHA24th Ed. 23208: 2023 EDTA Termetric Method		77
9.	Calcium (as Ca)	men	APHA346 Ed. 2340C 2023	60	54
10.		me/l	EDTA Titremetric Method APHA346 Ed 3500-Co-B: 2023	10.6	14.4
11.	Chloride (as CI)	me/l	APHAZ40 E4 4500-C30: 2021	22	30
	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F-D 2023	40.05	40.05
12.	Sulfate (as SO _J)	men	Turbidiessiric Method APHA24th Ed 4500-8042-E: 2023	14	
13.	Magnesium (as Mg)	mg/l	Calculates Method		20
14.	Nitrate (as NO ₃)	me/l	APHA24th Ed 3500htg B:2023 By UV -Screen Method	8.4	6.8
15.	Phosphate	-	APHA246 Bd 4500-NO3-B: 2023 Stemmen Chloride Method	0.04	0.03
16.		me/	APHA246 54, 4500 P.D: 2023 Modified Walter Method	0.24	0.32
17.	Dissolved Onygen as O ₂	men	APHA24th Ed 4500-OC 2023	5.6	5.8
	Sulfide (as S)	mg/l	By Industric Method APHA24th Bd 4500-S2-F: 2023	<0.4	40.4
14	800, 3 days at 27°C	me/l	Ongon Deplation Northed IS 3025(P-44): 1903	6.6	6.8
19.	CO06	mg/l	Open Reflex Motion APHA24th Ed 5220 B: 2029	15.2	15.6
20.	Copper(as Cu)	me/l	By ICP Method	<0.005	40,005
21.	Michael (as NS)	mg/1	APHA246 Ed, 31268; 2023 By ICP Method	<0.005	
22	Manganese (as Mn)		APHA24h Ed, 31208: 2023 ICP Method		<0.005
23.		men	APHA24th B4, 3120B: 2023	0.028	0.022
24.	Cadmium (ss Cd)	men	APHA266 Ed, 31200: 2023 By Duphenyl Carbonide Method	<0.005	40.005
	Chromium(M)	me/l	APHA246 Ed, 3500-CHB: 2023	40.05	<0.05
25.	Total Oromium	mg/l	By ICP Method APHA24th Sal, 31200: 2023	<0.005	<0.005
26.	Load (as Pb)	mg/l	Dy KP Method APHA30th Ed. 31208: 3623	<0.005	<0.005
27.	Zinc (as 2n)	mg/l	APHA246 E4 31300: 2023	- CO.005	≪0.005
28.	Iron (as Fel	men	By ICP Meshed APVIA24th Ité 31308 2823	Telas.	0.30

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Bhubaneswar-751003, Khurda, Odisha. E-mail-comebbar01@gmail.com, Mobile: 6763213647, 9890434693 Laboratory Al: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101



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Date: 02.04 2025

Report No.: CEMC/PIL/020425/GW

Name of the Industries : M/s Prakash Industries Itd.

Sirkeguttu Iron and Manganese Ore Mine Name of the Mine

Period of Monitoring : March 2025

: M/s Centre for Envotech and Management Consultancy Pvt. Ltd. Sample Collected by

: 03.03.2025 Date of Sampling : Ground Water Type of Sample

> GW1 - Malangtoli GW2 - Kadakala GW3 - Sirkaguttu GW4 - Kaljorha

ANALYSIS RESULTS OF GROUND WATER

Ground Water Quality- Organoleptic and Physical Parameters

			-					
			Norms		1	6WZ	GW3	GW4
SL.	Parameters	Unit	Acceptable	Permissible Umit	GW1	GWA		
no.			Limit	15	<5	<5	<5	<5
1.	Color, max	Hazen	5			4-	Agr.	Agr
			Agreeable	Agreeable	Agr.	Agr.		
2.	Taste		6.5-8.5	No relaxation	6.96	6.88	7.09	7.02
3.	pH value	-	0.3-0.3	HOVEID	68	76	60	52
1700	Conductivity	umhos/cm	-	-				<1
4.	The state of the s	NTU	1	5	<1	<1	<1	**
5.	Turbidity, max	NIO		3000	232	216	228	220
6.	Total Dissolved Solids, max	mg/l	500	2000	232			

Ground Water Quality-General Parameters Concerning Substances Undesirable in Excessive Amounts

-		Unit	Norms					
SI.	Parameters		Acceptable	Permissible Limit	GW1	GW2	ew3	6W4
		mg/l	200	600	126	132	120	128
1.	Total Alkalinity, max	mg/l	200	600	120	136	144	114
2.	Total Hardness, max	mg/l	75	200	14.8	18.4	16.6	22.6
3.	Calcium, max		250	1000	38.6	26.8	30.2	34.8
4.	Chloride, max	mg/l		1.5	0.06	0.10	0.12	0.14
5.	Fluoride, max	mg/l	1.0		36	32	35	14
6.	Sulphate, max	mg/l	200	400				0.14
7.	tron, max	me/l	1.0	No relaxation	0.16	0.22	0.18	-
8.	Zinc, max	mg/l	5	15	0.12	0.18	0.22	0.16
9.	Nitrate, max	mg/l	45	No relaxation	0.57	0.38	0.24	0.22
1	Free Residual Chlorine, min	mg/l	0.2	1.0	NO	NO	NO	NO
10.		mg/l	0.001	0.002	<0.01	-0.01	-0.01	-001
11.	Phenolic Compound, max		0.1	0.3	0.005	0.010	0.007	0.014
12.	Manganese, mox	mg/l			<0.005	40 005	40.005	40.000
13.	Copper, max	mg/l	0.05	1.5	COMMUNICATION CONTRACTOR	The second second	-02	40.2
14.	Boron, max	mg/l	0.5	1.0	<0.5	413		40.2

ntel Studies (EIA & EMP), Monitoring, Forest Diversion Manning, DPR, Wikiste Management Plan, Nazardeus & Saleg Sindra RS & GIS, Beautine Survey, Hydrological & Geological Studies, Socio-evanumic Studies, DUPS & & 13 Survey.

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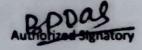


Ground Water Quality - Parameters Concerning Toxic Substances

Charles of				erms	-		-	-
# m	Personators	Unit	Acceptable	Permissible Limit	ew1	ews	GW3	GW4
1	Nickel, max	men	0.02	No relaxation	<0.005	<0.005	<0.005	49.005
7	Cedmium, max	me/l	0.003	No relexation	<0.005	<0.005	<0.005	<0.005
3	Cyanide, max	men	0.05	No relaxation	MD	MD	NO	MD
•	Total Chromium, mex	mg/l	0.05	No relaxation	<0.005	<0.005	<0.005	10.005
-	Hesavolent Chromulm	me/l	5	\$	<0.05	<9.05	40.05	<0.05
-	Leed, max	me/l	0.01	No relaxation	40.005	<0.005	<0.005	<0.005

Ground Water Quality- Bacteriological Quality of Drinking Water

			N	DETTES				1
-	Parameters	Unit	Acceptable Limit	Permissible Limit	6W1	6W2	ew3	6W4
1.	Coliform Organism(E.Coli)	MPN/100m	-	-	Nii	Nil	Nil	Nil
2.	Fecal Coliform	MPN/100m	-	-	Nil	Nil	Nil	Nil
3.	Total Coliform	MPN/100m	_	-	Nil	NII	Mil	Nil





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EXPENSES INCURRED FOR ENVIRONMENTAL MANAGEMENT (For the Period of October 2024 to March 2025)

SI. No.	Details of Measures Taken	Allocated Budget (In Rs.)	Expenses (In Rs.)
A.	Water Pollution Control/Water Management Construction of retaining wall, Garland drain, Settling	90,000/-	90,000/-
	pond around the dump & stock yard. (A) Sub Total Rs.	90,000/-	90,000/-
В.	Air Pollution Control/Air Management		
1.	Water sprinkling on haul road and our working plants by movable water tanker, dry fog system in screen plant & crusher plant.	8,58,000/-	8,58,000/-
2.	Wheel washer construction work (Already constructed)		
	(B) Sub Total Rs.	8,58,000/-	8,58,000/-
C.	Solid/Hazardous Waste Management		
1	Disposal of Solid Waste	64,83,000/-	64,83,000/-
	(C) Sub Total Rs.	64,83,000/-	64,83,000/-
D.	Other Areas		
1	Environmental consultant for Environmental monitoring	1,41,600/-	1,41,600/-
2	Maintenance of Plants	1,20,000/-	1,20,000/-
3	Housekeeping work.	1,20,000/-	1,20,000/-
	(D) Sub Total Rs.	3,81,600/-	3,81,600/-
	GRAND TOTAL (A+B+C+D) Rs.	78,12,600/-	78,12,600/-

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