



Prakash Industries Limited

OPC

(REGIONAL OFFICE)

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

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Tele : 0674-2391231, 9438428464

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Website - www.prakash.com

PIL/SIOM/ENV-STATEMENT/2023-24/120

Date : 29.05.2023

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

Sub.: Submission of Environment Statement for Sirkaguttu Iron & Mn. Ore Mines for the period of 2022 – 2023.

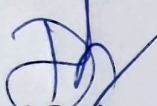
Sir,

We are enclosing herewith Environment Statement for **Sirkaguttu Iron & Mn. Ore Mines** for the year 2022 – 2023, (Period ended on 31.03.2023).

We hope you will find the above in order.

Thanking you,

Yours faithfully,
For PRAKASH INDUSTRIES LIMITED,


Deepak Dash
Sr. Vice President

Encl.: As above.

CC TO:

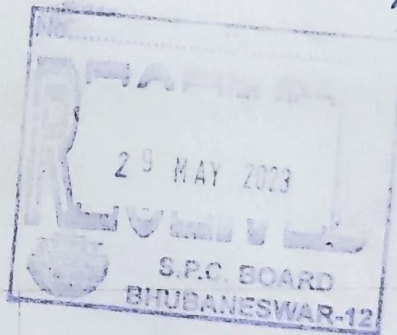
The Additional Principle Chief Conservator of Forest, Ministry of Environment, Forests and Climate Change (MoEF&CC), (Govt. of India), Regional Office, East Zone (EZ), A-31, Chandrasekharpur, Bhubaneswar, (Odisha)

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

The Member Secretary, State Pollution Control Board, Parivesh Bhawan, A/118, Nilakantha Nagar, Unit -III, Bhubaneswar, (Odisha) 751012

: For favour of information please.

Received
by
29/5/23



**ENVIRONMENT STATEMENT
(Year 2022-2023)
SIRKAGUTTU IRON & MN. MINES
Village – Sirkaguttu (Upper Kadakala)**

M/s. Prakash Industries Limited

FORM - V
(SEE RULE-14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL
YEAR ENDING 31ST MARCH 2023

PART-A

- (I) **Name and address of the owner/
Occupier of the Industry, Operation
or process** : Sh. Sanjay Jain
Director
Sirkaguttu Iron & Mn. Ore Mines
M/s. Prakash Industries Ltd.,
Village : Sirkaguttu
Dist.: Keonjhar (Odisha)
- (II) **Production Capacity Units** : Capacity – 1000167 TPA
(Iron & Manganese Ore)
- (III) **Year of Establishment** : November 2019
- (IV) **Date of the Environmental Statement
Submitted** : 23.05.2022

PART - B

WATER AND RAW MATERIAL CONSUMPTION

(1) WATER CONSUMPTION (m³/day)

Process (Boiler)	=	Nil
Cooling	=	Nil
Domestic	=	1.96
Water Sprinkling	=	18.30
(Haul Road, Crushing & Screening Plant) Plantation & Wet Drilling	=	4.74

NAME OF THE PRODUCTS	<u>Process Water Consumption Per Unit of Product Output</u>	
	During the previous Financial year 2021-2022 (1)	During the current Financial year 2022-2023 (2)

Iron & Manganese Ore We have no mineral processing unit. However, for Crushing & Screening unit water is being consumed for suppression of dust

(2) RAW MATERIAL CONSUMPTION

Name of Raw Material	Name of Products	Consumption of Raw Material per unit of output. (Ton/day)	
		During the previous Financial year	During the current Financial year
1. NA	Iron Ore	Nil	Nil

Note: It's mining, so no Raw material is consumed to produce output.

PART – C

**Pollution discharged to environment /unit of output.
(Parameter As Specified In the Consent Issue)**

Pollutants	Quality of Pollutants Discharged (mass /day)	Concentrations of Pollutants discharges (mass/volume)	Percentage of variation from prescribed standard with reasons
(a) Water	Quality of water pollution discharged to the outside mine area are within the prescribed limits. Results of concentration of pollutants are enclosed in Annexure - I		
(b) Air	Air pollutant discharged are within the range of prescribed standards. Results of concentration of pollutants are attached as Annexure – II .		

PART - D
HAZARDOUS WASTE

**As Specified Under [Hazardous Wastes
(Management, Handling and Transboundary Movement) Rules, 2016]**

Hazardous Waste	Total Quantity (Kg)	
	During the previous financial year (2021-2022)	During the current financial year (2022-2023)
Used Oil		
(a) From process	NA	NA
(b) From pollution control facilities	NA	NA

PART - E
SOLID WASTES

Solid Waste	TOTAL QUANTITY	
	During the Previous Financial year (2021-2022)	During the Current Financial year (2022-2023)
(a) From Process – Over Burden	NA	Nil
(b) From Pollution Control Facilities	NA	Nil
(c)	NA	Nil
1. Quantity recycled or reutilized within the unit		
2. Sold	NA	Nil
3. Disposed	NA	Nil

PART - F

Please specify the characterizations (in term of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both of these categories of wastes.

The mining operation has been started from November 2019 and the production was on very low scale till March 2023. During this period a very few quantity of overburden was generated which were mainly used for road making and balance quantity were stacked over the ear marked area. Retaining wall & Gárlańđ d'fain followed by settling tank at the end have been provided around the OB dump and at other mineral stockyard to prevent discharge of washouts and solid material outside the mine area. As we have no any mechanical workshop inside the mine, no hazardous wastes are generated.

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Water tankers are engaged for sprinkling of water on haul road for suppression of dust. Dry fog system has been provided at crushing & screening plant for control of fugitive dust generation. Regular plantation programme is being taken up for ecological balance of the surrounding environment. Further, planed and preventative maintenance programme is strictly followed for maximum utilization of plants and machineries.

PART - H

Additional measures / investment proposal for environmental protection including abatement of Pollution, Prevention of pollution.

We have provided dry fog system in plants for control of dust & fugitive emission. Time to time, maintenance of pollution control equipments are being under taken for better working purpose. Haul roads are always maintained properly to avoid potholes on the surface of road, so as to minimize generation of dust as low as possible during plying of vehicle.

PART - I

Any other particulars for improving the quality of the environment.

We are highly concerned to protect the total environment of the mine as well as its surrounding area and all necessary steps are being sincerely taken for achieving **Sustainable Development** of the nearby area. In this regard a wheel washing unit has been set up at exit gate of the mine for washing of wheels of transporting vehicles before those leave the mine and cement concrete road has been constructed on both sided of the main gate preventing carrying of mud & other waste particle outside the mine area by the wheels of the transporter vehicle. Water harvesting programme has been initiated for maintenance of ground water table of the surrounding area.

Results of Concentrations of Pollutants

All wastewater generated from the plant is collected in the settling tank and recycled and reused in the plant for dust suppression and plantation purpose. We are regularly monitoring the quality of water and mentioned as below:

pH	:	7.36 – 7.88
TSS	:	28.0 – 53.0 mg/lit.
BOD	:	4.20 – 8.20 mg/lit.
COD	:	12.20 – 18.80 mg/lit.
O&G	:	BDL mg/lit.

Ambient air quality and Fugitive emission monitoring is being done on regular basis and observed results (average) are given as below:

Ambient Air Quality:

PM ₁₀	:	42.00 – 75.00 µg/m ³
PM _{2.5}	:	22.00 – 43.00 µg/ m ³
SO ₂	:	6.40 – 8.90 µg/ m ³
NO _x	:	11.60 – 15.20 µg/ m ³
CO	:	BDL ppm

Fugitive Emission Monitoring Results:

RSPM	:	72.00 – 96.00µg/ m ³
NRSPM	:	94.00 – 190.00 µg/ m ³
TSPM	:	176.00 – 284.00 µg/ m ³

Authorised Signatory