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/ENV-STATEMENT/2022-23/ 132 **Date:** 23.05.2022

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

Sub.: Submission of Environment Statement for Sirkaguttu Iron & Mn. Ore Mines for the period of 2021 – 2022.

Sir,

We are enclosing herewith Environment Statement for **Sirkaguttu Iron & Mn. Ore Mines** for the year **2021 – 2022, (Period ended on 31.03.2022).**

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, Bhubneshwar, (Odisha)	**: For favour of information please.**
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, Bhubneshwar, (Odisha) 751012	

RECEIVED No. Date 23/05/22

ENVIRONMENT STATEMENT
(Year 2021-2022)
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 2022

PART-A

(I)	**Name and address of the owner/ Occupier of the Industry, Operation or process**	:	**Sh. M. L. Pareek** **Director** **Sirkaguttu Iron & Mn. Ore Mines** **M/s. Prakash Industries Ltd.,** **Village: Sirkaguttu** **Dist.: Keonjhar (Odisha)** **E Mail : sirkaguttumines@prakash.com**
(II)	**Production Capacity Units**	:	**EC Capacity – 1.325 Million TPA** **CTO – 859070 TPA** (Iron Ore)
(III)	**Year of Establishment**	:	November 2019
(IV)	**Date of the Environmental Statement Submitted**	:	11.06.2021

PART - B

WATER AND RAW MATERIAL CONSUMPTION

(1) WATER CONSUMPTION (m^3/day)

Process (Boiler)	=	Nil
Cooling	=	Nil
Domestic	=	2.00
Water Sprinkling (Haul Road, Crushing & Screening Plant)	=	25.00
Plantation & Wet Drilling	=	5.00

NAME OF THE PRODUCTS	**Process Water Consumption Per Unit of Product Output**	
	During the previous Financial year 2020-2021	During the current Financial year 2021-2022
	(1)	(2)
Iron Ore	We have no mineral processing unit. However, for Crushing & Screening unit water is being consumed for suppression of dust.	

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(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:- **Only ROM produced directly from mines.**

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 (Rain water only) discharged to the outside 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 – I.**		

PART - D
HAZARDOUS WASTE

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

Hazardous Waste	Total Quantity (Kg)	
Used Oil	During the previous financial year (2020-2021)	During the current financial year (2021-2022)
(a) From process	NA	NA
(b) From pollution control facilities	Nil	Nil

PART - E
SOLID WASTES

Solid Waste	TOTAL QUANTITY	
	During the Previous Financial year (2020-2021)	During the Current Financial year (2021-2022)
(a) From Process – Over Burden	NA	Nil
(b) From Pollution Control Facilities	NA	Nil
(c) 1.Quantity recycled or reutilized within the unit	NA	Nil
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 2022. 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 & Garland drain 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. 350 mtr of concrete road has been constructed near entry of the mines to minimize dust generation. Wheel washing unit has been provided at the exit gate of the mine for washing the wheels of the transporting vehicle to eliminate carrying of mud or dust particle by the wheels to the outside mining area.

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, wheel washing system of all the transporting vehicles and construction of cc road on both side of main gate was

completed during this year. Water harvesting programme has been initiated for maintenance of ground water table of the surrounding area.

Annexure- I

Results of Concentrations of Pollutants

As we have no any beneficiation plant, the surface run-off during rainy season are collected in the setting tank. After settlement of suspended particles, only clean water is discharged to the outside area. We are regularly monitoring the quality of water and the monitoring data is furnished here below:

pH	:	7.62 – 7.70
TSS	:	34 – 40 mg/lit.
BOD	:	5.2 – 5.6 mg/lit.
COD	:	14.4 – 14.8 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}	:	48.00 – 54.00 µg/m^3
$PM_{2.5}$	:	29.00 – 36.00 µg/ m^3
SO_2	:	7.20 – 8.10 µg/ m^3
NOx	:	12.40 – 13.80 µg/ m^3
CO	:	BDL ppm

Fugitive Emission Monitoring Results:

RSPM	:	82.00 – 88.00µg/ m^3
NRSPM	:	90.00 – 94.00 µg/ m^3
TSPM	:	176.00 – 178.00 µg/ m^3