

Ref: HZL/Maton/RSPCB/2022-23/10

Date: 28.09.2023

To,

✓ **The Member Secretary,**

Rajasthan Pollution Control Board,

4, Institutional Area,

Jhalana Doongri, Jaipur (Raj.) – 302004.

Sub: Environment Statement for the year **2022-23** for **Maton Rock Phosphate Mine**.Ref: 1. Consent to operate vide no. F(Mines)/Udaipur(Girwa)/1828(1)/2015-2016/973-977 dtd.
05/06/2020

2. Environment Clearance No. J-11015/169/2009-IA.II(M), Dated 17.03.2010.

Sir,

Please find enclosed herewith the **Environmental Statement** for the year **2022-23** for **Maton Rock Phosphate Mine**.

Thanking you,

For Maton Rock Phosphate Mine**(Ravi Kumar Dave)****Mines Manager**

Encl.: As above

- CC: 1. The Deputy Director (S)/Scientist-C
Ministry of Environment Forest & Climate Change,
Integrated Regional Office, A-209&218, Aranya Bhavan
Jhalana Institutional Area, Jaipur-302004
2. The Regional Officer,
Rajasthan State Pollution Control Board,
F-470, Near UCCI Building, Madri Industrial Area,
Udaipur (Raj.) - 313003.
3. Office Copy (Env. Cell)

Hindustan Zinc Limited

Maton Rock Phosphate Mines.

P.O. - Maton, Th. - Girwa, Udaipur (Rajasthan) - 313003

Tel : (+91 -294) 2342093, Fax : + (91-294) - 2342092

Registered Office - Yashad Bhawan, Udaipur (Rajasthan) - 313004

www.hzindia.com

CIN : L27204RJ1966PLC001208

FORM – V
(ENVIRONMENTAL STATEMENT)
(See rule 14)

Environmental Statement for the financial year ending with 31st March, 2023

PART – A

- (i). Name and address of the owner / : Sh. Arun Misra
Occupier of the industry/ operation Chief Operative Officer
or process Hindustan Zinc Limited
Yashad Bhawan
Udaipur 313001
- Name and address of unit head : Sh. Vijay Prakash Joshi,
Agent & Unit Head
Hindustan Zinc Limited
Maton Rock Phosphate Mine
Tehsil- Girwa,
Distt. Udaipur (Raj.) – 313003.
Phone : -0294-2342093
- (ii). Industry category : Red
Primary (STC code) Mining of Rock Phosphate
minerals
- Secondary (STC code) : NA
- (iii). Production Capacity -Units : 1, 80,000 TPA of Rock
Phosphate ore Mining & Crushing
- (iv) Year of establishment : Production from the mines
commenced in 1973-74
and continued till 2001. Then mine
was closed during 2001-2008 and
restarted on 18.08.2009.
- (v). Date of last environmental statement : 24.09.2022
Submitted

PART – B

Water and Raw Material Consumption

(i) Water Consumption (m³/day)

Parameters	m ³ /day
Process	--
Domestic	0.98

Name of Product	Process water consumption (fresh water) per unit of product output	
	During the previous Financial year 2021-22	During the current year 2022-23
Rock Phosphate ore production	0	0

* No production occurred. Our product output is Rock Phosphate ore. Some of mining activities have been temporarily suspended since 01.11.2015.

(ii) Raw material consumption - NA

Name of raw material	Name of product	Consumption of raw material per unit of output (gm/MT)*	
		2021-22	2022-23
Nil	-	-	-

* Raw material consumption is shown as grams per tonne of ore treatment.

Production	2021-22	2022-23
Ore Production*	0.0**	0.0**

* Some of mining activities have been temporarily suspended since 01.11.2015.

** No production occurred.

PART – C

POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT

(Parameters as specified in the consent issued)

Sr. No	Pollutants	Quantity of pollutants discharged	Concentration of pollutants in discharge (mass/volume)	%age of variation from prescribed standards and reason
a	Water	Zero discharge		As per the discharge consent granted by the RSPCB.
b	Air dust emission from stack (SPM)	-	-	Air emission as per consent granted by RSPCB which is within limits

PART – D

HAZARDOUS WASTE

[As specified under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016]

Hazardous wastes	Total quantity during the year (2022-23)
a. From Process (Used oil)	Nil
b. From pollution control facility	Nil

PART – E

SOLID WASTE

Sr. No.		Total quantity during the year	
		2021-22	2022-23
a	From process	Nil	Nil
b	From pollution control facility	Nil	Nil
C	1. Quantity recycled or reutilized	Nil	Nil
	2. Solid (Over burden)	Nil	Nil
	3. Disposed	Nil	Nil

PART – F

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

The Solid Waste (waste rock or overburden) generated is stacked systematic at earmarked site in 10m x 10m lifts.

PART – G

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

- Mine pit water is being used in dust suppression on haul road.
- Planted 8000 saplings in 2022-23 covering an area of 5.0 hectare for environmental protection and green belt coverage around mine area.

PART – H

Addition measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution.

The following works are completed to improve the working environment

1. Haul road dust suppression by use of water spray to reduce air born dust.



Fig : Water sprinkling

PART-I

Any other particulars for improving the quality of the environment:

1. Plantation

- Plantation of 8000 plants is planned for FY 2022-23

2. Water pollution control:

- Quality of mine water and ground water in and around the mine complex is being monitored on quarterly basis.
- Garland drains all around the mine pit and waste dump with collection sump
- Zero discharge is maintained

3. Air pollution control:

- Wet drilling operation

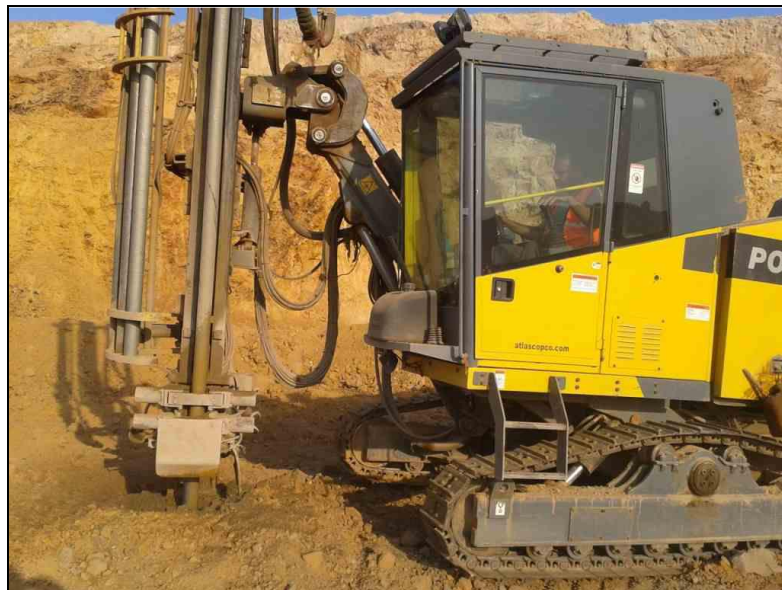


Fig : Wet Drilling

- Water sprinkling on haul roads and loading points
- Quarterly monitoring of ambient air at 5 locations for Ambient Air Quality

4.. Noise control:

- Plantation for attenuation of noise.
- Use of PPEs
- Noise monitoring on quarterly basis.

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