



सी.पी.पी., ज़ावर माईन्स
पिन कोड - 313901
जिला - उदयपुर (राज.)

HINDUSTAN ZINC LIMITED
हिन्दुस्तान जिंक लिमिटेड

Telephone - (0294) 2726600, Fax-2726243

CPP, Zawar Mines
PIN Code – 313901
Dist - Udaipur (Raj.)

Ref.: HZL/ZM/Env/2018-19/ 405

01.09.2018

By Speed Post

The Member Secretary
Rajasthan State Pollution Control Board
4- Institutional Area, Jhalana Dungri
JAIPUR-302004 (Raj.)

Sub.: Environmental Statement for the year **2017-18** for **Zawar CPP**

Ref: Consent to Operate No. F(Tech)/Udaipur(Sarada)/1(1)/2009-2010/7956-7958
dated 10.03.2015
Environment Clearance vide No.-J-13011/79/2007-IA-II (T) dated 05.02.2008.

Sir,

Please find attached herewith the **Environmental Statement** for the year **2017-18**
for **Zawar Captive Power Plant**

Thanking you

Yours truly


(Zakiuddin Sheikh)
AGM (Env)

Encl.: As above

- CC: 1. The Director, Ministry of Environment and Forests, Regional Office (Central Region), Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow – 226024 (U.P.).
2. The Regional Officer, Rajasthan State Pollution Control Board, F-470, Near UCCI Building, Madri Industrial Area, Udaipur-313003 (Raj.).
3. Office Copy Env. Cell/CPP Zawar

FORM - V
(See Rule- 14)
ENVIRONMENTAL STATEMENT FOR FINANCIAL YEAR ENDING ON
31st MARCH, 2018

PART - A

(1)	Name and Address of the Owner/Occupier of the Industry, Operation and Process.	Sunil Duggal Chief Executive Officer & Whole Time Director Hindustan Zinc Limited, Yashad Bhawan Udaipur (Rajasthan) Tel - Office - (0294) 2421420 Fax - (0294) 2424507
	Factory Manager	Binu Raphael Factory Manager, Zawar CPP Tel - Office- 0294-2726600 Fax - 0294-2726243
(2)	Industry Category	Red
(3)	Production capacity	90 MW Power Generation
(4)	Year of Establishment	16.12.2008
(5)	Year of last environment statement submitted.	08.09.2017

PART - B

1. Water and Raw Material consumption-

Details	Water consumption	
	2016-17	2017-18
Water Consumption (m ³)	1551268	1683226
Specific Water Consumption (m ³ /MWh)	2.53	2.45

2. Raw material consumption-

Name of raw material	Name of Product	Consumption of Raw material per unit of output*	
		2016-17	2017-18
Coal	Power	499.59	489.16

* gm/kwh



PART – C

Pollution generated (Parameter as specified in the consent issued)

Air & Water consent to operate - Validity up to 31st October, 2017

Pollutants		Quantity of pollutants discharged (m ³ /day)	Concentration of pollutants in discharges (m ³ /day)	Percentage of variation from prescribed standards with
A	Water	Zero Discharge	Within the limits as prescribed by RSPCB in Consent to Operate	NIL
B	Air	Less than 100 mg/Nm ³ of SPM	Within the limits as prescribed by RSPCB in Consent to Operate	NIL

Annexure attached

PART – D

Hazardous Wastes

[As specified under Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008]

Hazardous wastes	Total quantity during the year	
	2016-17	2017-18
a. From Process		
Used/Spent Oil	Nil	Nil
b. From pollution control facility	Nil	Nil

PART – E

Solid Waste

	Total quantity	
	2016-17	2017-18
Fly ash (MT)	55552.45	53361.22
Bottom ash (MT)	Nil	Nil

* The fly ash generated is transported & sent to cement plants by suitably designed bulkers owned by the cement plants and the bottom ash is given to brick manufactures and part of the bottom ash has been used as filling material or reuse.



PART – F

(Please specify the characteristics, in terms of composition and quantum of Hazardous waste and solid waste and indicate disposal practice for both of these categories of wastes)

The Hazardous Waste generated is used / spent oil which is stored in 200 litre drums and then disposed to recyclers registered with CPCB.

Solid wastes generated are Fly Ash and Bottom Ash. The fly ash generated is sent to Cement Plants by suitably designed bulkers owned by the cement plants and the bottom ash is transported and disposed to tailing dam as per the conditions of Environment Clearance.

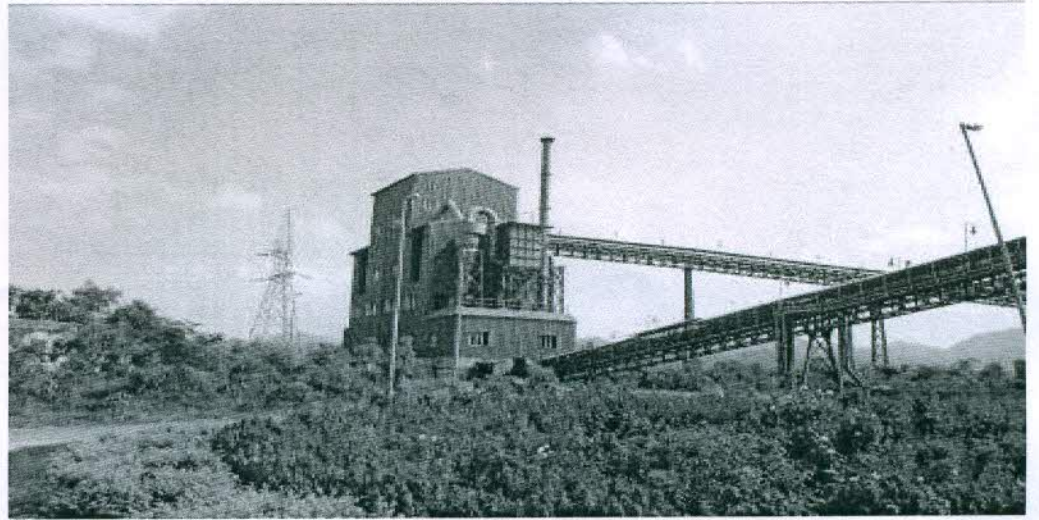
PART – G

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

It may be noted that higher production of power is achieved taking following measures:

- Better capacity utilization of plant and equipment;
- Better maintenance practices resulting in lesser downtime and increased plant availability.
- 8 field ESP to arrest SPM going through chimney to maintain the emission below specified limit.
- Online monitoring system at stack continuous monitoring of pollutants.
- Zero Discharge is followed. 100 % blow down water is sent to the beneficiation plant of mines for use which results a decrease in consumption of water.
- STP water after treatment is pumped to blow down tank of CPP which results in 100 % utilization of STP water.
- Cyclone separators and Bag filters at the transfer points so as to ensure minimum fugitive emission.
- Covered Coal conveyers for conveying of coal.





- Covered shade provided for storage of approximately 8000 tones coal.
- Dust suppression and Dust extraction system installed to improve emissions within the plant premises.



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