स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
भिलाई इस्पात संयंत्र
BHILAI STEEL PLANT

No.Mine/IOC/MIM/4(2)/ENVRNMT/A-RTN/FORM-V/2017/63 Date : 28/04/2017.

From,
Mine Manager
Mahamaya Mine
P.O Mahamaya
Dist Balod (C.G)
PIN 491228

To,
Member Secretary
Chhattisgarh Environment Conservation Board,
Commercial Complex, Chhattisgarh Housing Board Colony
Kabir Nagar, RAIPUR(C.G)

Regional Officer
Regional Office
Chhattisgarh Environment Conservation Board
5/32 Bangla Bhilai
Dist Durg (C.G)

Sub : Submission of Environmental Statement in respect of Mahamaya Mine.

Dear Sir,

Please find enclosed herewith the Annual Return of Environment Statement (in FORM-V) for the Financial Year 2016-2017 in respect of Mahamaya Mine.

Thanking You,

Yours Faithfully
For Steel Authority of India Limited
Bhilai Steel Plant

Mine Manager
Mahamaya Mine

FORM-V

(See Rule 14)

The Environment (Protection) Rules 1986.

Environmental Statement for the Financial Year ending the 31st March 2017.

PART - A

1. Name and Address of the Occupier of the industry operation or process.
   Shri Kumar Shivesh
   Mine Manager, Mahamaya Mine
   P.O Mahamaya
   Dist Balod (C.G)
   PIN 491228

2. Production Capacity Units : 0.96 MT

3. Year of establishment : 1971

4. Date of the last Environmental Statement submitted : 30/04/2016.

PART - B

Water & Raw material consumption :

1. Water consumption m3/Day

Process	Nil
Cooling(Water sprinkling on haul road)	78.03 KL/Day
Domestic	134.39 KL/Day

Name of Products	Process water consumption per Unit of product output	
	During the previous Financial year	During the Current Financial year
Nil	Nil	Nil

2. Raw material consumption : Nil

Name of Raw materials	Name of Products	Raw Material consumption per Unit of product output	
		During the previous F/Year	During the Current Financial year
Nil	Nil	Nil	Nil

PART - C

Pollution discharged to Environment/ unit of output

Pollution	Quality of Pollutants discharged (Mass/ Day)	Concentrations of pollutants in discharges (Mass/Day)	Percentage of variation from prescribed standard with reasons
Water	---	---	---
Air	---	---	---

PART - D

Hazardous Waste (Oil)

Hazardous Waste	Total Quantities		
	During the previous Financial year		During the Current Financial year
a) From Process	Brake Oil = 9 Ltrs. Oil Engine 15 W 40 = 212 Ltrs. Oil EP 90 = 132 Ltrs. Grease EP Chassis = 20 Kg. Grease EP Bearing = 10 Kg.		Brake Oil = 11 Ltrs. Oil Engine 15 W 40 = 147 Ltrs. Oil EP 90 = 70 Ltrs. Grease EP2 Chassis = 20 Kg. Grease MP3 Bearing = 05 Kg.
b) From pollution control facilities	Nil		Nil

PART - E

Solid Waste

	Total Quantities (T)	
	During the previous Financial year	During the Current Financial year
a) From Process	253843.00	231618.70
b) From pollution control facilities	Nil	Nil
c)1.Quantity recycled or re-utilised within the unit	Nil	Nil
2.Sold	Nil	Nil
3.Disposal	Nil	Nil

PART - F

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

1. Hazardous Waste : Sent to Bhilai for Disposal.

2. Solid Waste : Dumped in seperate dump yard laid in non-ore bearing area.

2.1 Waste Rock : Dumped in seperate dump yard laid in non-ore bearing area.

2.2 Slime : Nil

PART - G

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

1. Water spraying done on haul road for dust suppression.
2. Wet drilling is done for suppressing dust at the point of its generation.

PART - H

Other measures for environmental protection abatement of pollution, prevention of pollution.

1. Afforestation of 19.248 hact. area has been done till 31/03/2017 at Mahamaya Mine

2. 11 Nos. of check dams have been constructed in 3 nos. of major water courses around Mahamaya Mine. Desilting & cleaning of check dams on regular basis.

3. Systematic dumping of waste done.

4. Preparation of sump inside the mine for storage of rainy water and to reduce the flow of water outside the mines.

PART - I

Any other particular for improving the quality of the environment.

1. Regular use of water sprinkling on haul roads for dust supression.

Mine Manager
Mahamaya Mine