



STEEL AUTHORITY OF INDIA LTD.  
(A Govt. of India Enterprises)  
RAW MATERIALS DIVISION  
BHAWANATHPUR GROUP OF MINES  
PO - BHAWANATHPUR TOWNSHIP  
DIST: GARHWA (JHARKHAND) - 822129  
Email: [bngrm@saibel.com](mailto:bngrm@saibel.com)

Dt. 25.09.2017

No RMD/BNP/MGR/2017/02(1)

To,  
The Regional Officer,  
Jharkhand State Pollution Control Board  
E-1, CIT Colony, Dhanbad  
Ranchi-834004

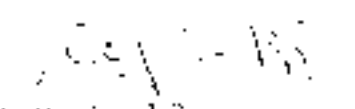
OK  
Sub. Submission of Environmental Statement of Tulsidamar Dolomite Mine of RMD, SAIL, for the year ending 31st March 2017.

Sir,

In compliance to the condition stipulated by JSPCB while granting Consent to Operate to Tulsidamar Dolomite Mine of RMD, SAIL, we are hereby submitting the Environment Statement report for Tulsidamar Dolomite Mine, for the Year ending 31st March 2017 for necessary compliance please.

Thanking you,

Yours Faithfully,

  
(B. Panigrahi),  
Manager, Tulsidamar Dolomite Mine,  
RMD, SAIL.


Encl:- n/a

Copy to:

Member Secretary, JSPCB, HCC, Dhanbad, Ranchi-834004.



**ENVIRONMENTAL STATEMENT**  
**Year : 2016-2017**  
**TULSIDAMAR DOLOMITE MINE**



**STEEL AUTHORITY OF INDIA LIMITED**  
**RAW MATERIALS DIVISION**  
**BNP GROUP OF MINES**  
**DIST:GARHWA**  
**JHARKHAND - 822129**

September, 2017

## FORM – V

**Environmental Statement for the financial year ending 31<sup>st</sup> March 2017**

### PART – A

- (i) **Name and address of the owner/occupier of the industry operation or process.** : Tulsidamar Dolomite Mine  
P.O- Bhawanathpur Township,  
Dist. : Garhwa  
Pin- 822129, Jharkhand
- Agent** : Shri A. Sharma,  
General Manager (Flux) ,Kuteshwar
- Nominated Owner** : Shri Kalyan Maity  
Director (Raw Materials & Logistics)
- (ii) **Industry category Primary - (STC code) Secondary - (SIC Code)** : Open Cast Dolomite Mine
- (iii) **Production capacity** : 0.3 Million Te per Annum Dolomite
- (iv) **Year of establishment** : 1975
- (v) **Date of the last environmental statement submitted** :

### PART – B

#### Water and Raw Material Consumption

(1) <b>Water consumption</b>	<b>m<sup>3</sup>/day</b>
Process	NA
Cooling(Dust Supression)	25
Domestic	120

<i>Name of Products</i>	<i>Process water consumption per unit of product output</i>	
	<i>During the previous financial year (2015-16)</i>	<i>During the Current financial (2016-17)</i>
(1) Dolomite	NA	NA

## (2) Raw Material Consumption

Name of raw materials	Name of products	Process water consumption per unit of product output	
		During the previous financial year (2015-16)	During the Current financial (2016-17)
-	-	-	-

This is an opencast mine producing Dolomite. As such, no raw material from outside is required for processing of dolomite. The Dolomite production during 2015-16 is 0.21 million tonnes and during 2016-17 is 0.103 million tonnes.

## PART - C

### Pollution discharged to environment / unit of output

#### a) Water Environment

Pollutants	Quality of pollutants generated (mass/volume)	Concentrations of pollutants in discharges	Percentage of variation from prescribed standards with reason. <u>Standard</u>
1. Process Effluent: Not Applicable			
(i) pH	-	7.2	5.5 – 9.0
(ii) TSS	-	7.0	100 mg/l
(iii) Oil & Grease	-	-	10 mg/l
2. Domestic Effluents :			
(i) pH		7.6	5.5 – 9.0
(ii) TSS		3.0	100/l
(iii) BOD		-	
(iv) COD		-	
(v) Oil & Grease		-	

#### b) Air Environment

This is an opencast mine and the air emissions are fugitive in nature mainly containing dust particles. The fugitive emissions are being controlled through various dust prevention and control measures. Hence, the quantity of air pollutants discharged in

Kg/day cannot be ascertained. The annual average ambient air quality in and around the mines for the year 2016-17 is given below:

Unit : microgram/m<sup>3</sup>

<i>Pollutants</i>	<i>Quality of pollutants generated (mass/volume)</i>	<i>Concentrations of pollutants in discharges</i>	<i>Percentage of variation from prescribed standards with reason.</i> <u>Standard</u>
<b>(1) Location – 1(TDM Office)</b>			
i) PM <sub>2.5</sub>	-	-	60
ii) PM <sub>10</sub>	-	60	100
iii) SO <sub>2</sub>	-	BDL	80
iv) NO <sub>2</sub>	-	BDL	80
<b>(2) Location – 1(Work Zone)</b>			
i) PM <sub>2.5</sub>	-	-	60
ii) PM <sub>10</sub>	-	-	100
iii) SO <sub>2</sub>	-	-	80
iv) NO <sub>2</sub>	-	-	80

## PART – D

### Hazardous Wastes

Hazardous Wastes	Total Quantity(kg)	
	During the previous Financial Year (2015-16)	During the current Financial Year (2016-17)
a) From Process		
b) From Pollution Control facilities	NIL	NIL

## PART – E

### Solid Wastes

Wastes	Total Quantity(Tonnes)	
	During the previous Financial Year (2015-16)	During the current Financial Year (2016-17)
(a) From Process (1) Overburden / rejects (2) Ore washing slimes		
(b) From Pollution Control facilities	NIL	NIL
(c) (1) Quantity recycled or re-utilized within the unit (2) Sold (3) Disposal	-	-

### PART -F

The characteristics (in terms of concentration and quantum) of Hazardous as well as Solid Wastes and their disposal practices adopted for these categories of wastes are as follows:

- (1) **Solid Wastes** : Solid waste generator as overburden / rejects and slime from this Dolomite mine are inert. The average chemical composition of these solid wastes and their mode of disposal are as follows:

Waste	Overburden / Reject	Slime
Quality		NA
a) Cao (%)	2% or less	
b) Mgo (%)	Less than 12%	
c) Other (%)		
Mode of disposal		

- (2) **Hazardous Wastes**

S. No.	Description of Hazardous Wastes (nature)	Mode of disposal
1.0		
2.0		

## PART - G

**Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.**

The major pollution prevention / control measures adopted at the mine, which resulted in resource conservation as well as cost of production are as follows. NA

## PART - H

**Additional investment proposal for environmental protection including abatement of pollution.**

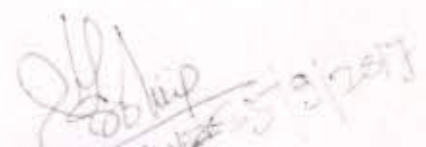
The following additional investment proposals for environmental protection including abatement of pollution are under consideration for the mine: NA

## PART - I

**Any other particulate in respect of environment protection and abatement of pollution.**

1. Creating awareness amongst employees and public regarding protection of environment by observing Environment day, Environment month and Environment week.
2. Display of Boards carrying environmental slogans.
3. Celebration of World Environment Day, Environment Week, Environment Month.
4. Celebration for Mass awareness by slogans, working models & Cultural Programmes by employees & school children in Mines Environment & Mineral Conservation week under the aegis of IBM.

Date :

  
(M. R. Soliria)  
Designation-DGM(Mining)  
Bhawanathpur Group of Mines