



STEEL AUTHORITY OF INDIA LTD
(A Govt of India Enterprise)
Regd Office, Ispat Bhawan, Lodi Road
New Delhi 110 003

RAW MATERIALS DIVISION
Meghahatuburu Iron Ore Mines
P.O.: Meghahatuburu – 833 223
Dist: Singhbhum West (Jharkhand)
Phone: 06596 – 244204 / 06767-268221
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Ref No: /ENV.STAT/ KIOM- MIOM/2020-21/ 925 Date: 06.05.2020

To

The Member Secretary
Jharkhand State Pollution Control Board
Main office, HEC Complex
T.A.Bhavan, DHURWA; Ranchi – 834004
Jharkhand.

THROUGH REGIONAL OFFICE JAMSHEDPUR


SUBJECT: SUBMISSION OF ENVIRONMENTAL STATEMENT FOR THE YEAR
ENDING 31st MARCH 2020

Sir,

Enclosed please find herewith Environmental Statement in respect of Kiriburu Iron Ore Mines & Meghahatuburu Iron Ore Mines of SAIL , RMD for (2019-20) year ending 31st March 2020 for your kind information please as per the Environment (Protection) Rule, 1986.

Thanking you

Yours faithfully


Manoj Kumar
AGM (E&L) RMD
For KIOM-MIOM
6/5/2020
Manoj Kumar
Safety Officer
Meghahatuburu Iron Ore Mine

Copy to

1. Regional officer
Jharkhand State Pollution Control Board
MB 15 New Housing Colony
Adityapur ;Jamshedpur (Jharkhand) 831013

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¹[FORM – V]

(See rule 14)

Environmental Statement for the financial year ending the 31st March 2020

PART – A

(i)	Name and address of the Occupier of the industry operation or process.	Meghahatuburu Iron Ore Mines P.O- Meghahatuburu Dist : Singhbhum (West) Pin- 833222 Jharkhand
(ii)	Name & address of Nominated Owner	Sri Vivek Gupta Director (RM&L), SAIL Lodhi Road; New Delhi
(iii)	Industry category Primary ---- (STC code) Secondary.----- (SIC Code)	Secondary
(iv)	Production capacity.----Units----	5 MTPA (8.5 MTPA ROM)
(v)	Year of establishment	1985
(vi)	Date of the last environmental statement submitted	04.05.2019 for the period 2018-19

PART – B

Water and River Material Consumption

(1)	Water consumption m ³ /d:	Process :- 1392.25 m ³ / day Cooling:- 296.95 m ³ / day Domestic:- 2243.36 m ³ / day
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Name of Products	Process water consumption per unit of product output. During the previous financial Year	During the Current financial Year
	(1)	(2)
(1) Iron Ore	0.45 Cubic m/T	0.49 Cubic m/T

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ENVIRONMENT STATEMENT MIOM (2019-20)


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DGM (E&L) & IIC Safety Officer
SAIL-RMD
Meghahatuburu Iron Ore Mine

ii) **Raw Material Consumption – Not Applicable**

*Name of raw materials	Name of products	Consumption of raw material per Unit of output	
		during the previous financial year	during the current financial year

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART - C

Pollution Generated
(Parameter as specified in the consent issued)

1) Pollutants	Quality of pollutants generated (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water	Varies from 35.0 to 65.0 mg/Ltrs (Suspended Solid)	All parameters are within permissible limit
b) Air	Varies from 23.75 to 60.35 µg/cubic meter (SPM in Work Zone)	All parameters are within permissible limit.

PART -D

Hazardous Wastes

[As specified under Hazardous Wastes (Management and Handling) rules, 2016]

Hazardous Wastes	Total quantity(kg) (Generated)	
	During the previous financial year	During the current financial year
(a) From process		
i) Used oil	38,300 Ltrs	98,280 Ltrs
ii) Batteries	65 nos	87 nos
(b) From pollution control facilities.	Nil	Nil


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DCM (E&I) & IC Safety Officer
SAIL-RMD
Megha Talaburu Iron Ore Mine.

PART – E
Solid Wastes

Total Quantity		
	During the previous financial year	During the current financial year.
(a) From process	29.45 Lakhs tonnes	35.95 LakhsTonnes
(b) From pollution Control facility	Nil	Nil
(c) Quantity recycled or re- utilised.	Nil	Nil

PART –F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

- (a) solid wastes (over burden, inter burden) generated – **35.95 Lakhs tonnes**
The over burden is backfilled in the Mine pit area (Mined out pit) where ore has been completely excavated & where permission has been obtained from IBM for backfilling (In pit Dumping).Afforestation done on matured backfilled area.
- (b) i. Used oil generated : **98,280 Lts only**.
ii. Disposal of used oil is done Centrally through RMD Headquarter through registered Party of Pollution Control Board only –In 2019-20 disposal could not take place as party backed out . The lot has been made for auction in 2020-2021.

PART – G

Impact of pollution control measures on conservation of natural resources and consequently on the cost of production. Given in Annexure - 1

PART – H

Additional investment proposal for environmental protection including abatement of pollution. Given in Annexure - 1

PART – I

Miscellaneous

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

Given in Annexure – 1

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ENVIRONMENT STATEMENT MIOM (2019-20)


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SAIL-RMD
Meghahatuburu Iron Ore Mine

ANNEXURE – 1

Part – G

1. Natural habitat of wild life undisturbed.
2. Mineral conservation by way of blending rich and low-grade ore.
3. Preservation of Flora and Fauna.
4. Non contamination of Natural water streams.
5. Strengthening & cleaning of check Dam on Meghahtuburu Nallah , Pardih nallah & kumdi nallah to prevent contamination of water during splash rain (heavy rain) by arresting silt.
6. Suspended particulate matter, Respirable particulate matter, SO₂, NO_x and CO is within the prescribed norms.

In addition to the above, the following peripheral work, CSR has been done by MIOM.(Sustainable Mining)

- A. Medical check up camp conducted in peripheral village : Rs.0.65 lakh
- B. Self Employment Centre, Soubhagya,MIOM(Livelihood generation & Women Empowerment training in Stitching, weaving, printing, computer) - Rs.13.69 Lakhs
- C. Provision of transportation to local market weekly twice for periphery village(livelihood generation) & School bus facility for school children(Education facility) - Rs.22.00 Lakhs
- D. Skill Development/ Vocational training-ITI training of 18 unemployed youths of periphery village for 2019-20 (livelihood generation) (session 2018-2020 & 2019-2021) = Rs.7.50 Lakhs.
- E. Sports (football, Hockey)for nearby villagers- Rs.0.88 Lakh
- F. IEC on Swatch Bharat Scheme (ODF) Contribution to Swatch Bharat Abhiyan- Rs. 0.66 Lakh.
- G. Project identification in nearby village to identify needy persons and : Rs 0.68 Lakh

PART – H

The following Environment project were done in the year 2019 – 20

1. Plantation of 2000 nos. of saplings in different area of township & waste dump & its maintenance, watch & ward, watering: .Rs.8.50 lakh
2. Cleaning of Meghahatu nallah , check dam at various location for allowing silt to deposit and clear water to flow downstream:-Rs. 3.97 lakh.
3. Celebration of MEMC week, Environment Day, Wild life week, Swatchta Pakhwara, IEC programmes , Gandhi jayanti to promote use of cloth bags and ban on use of plastic bags for mass awareness about Environmental measures by rallies, play essay, drawing competition: Rs.3.00 lakh
4. Collection & disposal of industrial & domestic garbage- Rs.29.23 Lakhs

5. Aesthetic beautification by upkeeping of MBR township, garden view point, hospital- Rs.24.22 Lakh
6. Laying & Maintenance of sewerage line in MIOM township- Rs.25.00 Lakhs.
7. Implementation of Mosquito Control system(Fogging system)- Rs.10.51 Lakhs
8. Provision of retaining wall with sump for stablization of waste dump- Rs.3.20 lakhs.
9. Maintenance & Upkeep of Nursery/Garden to improve greenery: Rs.4.19 Lakhs
10. Repair & Maint. of water supply line & minimise water consumption: Rs.31.78 lakhs
11. Rain water harvesting scheme as pilot project in General office- Rs1.50 lakh
12. Spillway repair at Tailing dam to prevent pollution hazard: Rs.3.55 Lakh

The following are the proposal for Environmental Project, Year 2020-21

1. Plantation of 500 saplings at dump & 1000 saplings in Township area& its maintenance upkeep by watering & watch & ward - Rs.6.50 Lakh
2. De-silting of slime from tailing dam(Rang ring).: Rs.100 lakh
3. De-silting of check dams at various locations.: Rs.4.00 lakh
4. Plantation of vertiver grass to prevent slit washout during heavy rain.: Rs1.00 lakh
5. Repair & Maintenance of check dams at various locations.: Rs.15.00 lakh
6. Proper drainage for arresting silt flow in downstream :-Rs10.00 lakhs
7. STP drain system up-gradation & Setting up of STP - Rs.250.00 Lakh
8. Rooftop rainwater harvesting project at Mechanical Maintenance shed of Meghahatuburu- Rs.3.00 Lakhs.
9. Installation & operation of CAAQMS instrument for online monitoring of Ambient air for KIOM-MIOM.- Rs.50.00 Lakh.
10. Installation and operation of Permanent water sprinklin

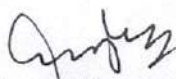
The following are the proposal for CSR Project, Year 2020-21.:

1. Education- Adoption of students for free education at Saranda Suvan Chhtrawas from peripheral villages.
2. Provision of School Bus & Transportation facility for peripheral village(income generation by selling vegetables and other products)- **Rs.24.00 Lakhs**
3. Sports & Culture- Sports in nearby village – **Rs.1.00 Lakhs**
4. Sponsoring local youths for short duration skill development training (10 nos.) **Rs.1.00 Lakhs**
5. Event Management & Impact assessment feedback: **Rs.0.50 Lakh**
6. Medical Camp & Health Care- **Rs.1.00 Lakhs**
7. Women empowerment through Soubhagya , Self Employment Centre – **Rs.10.00 Lakhs**
8. ITI education sponsoring students for 2 year course- **Rs.9.00 lakh**
9. Providing Relief food material, sanitizer, soap for needy persons in nearby village – **Rs. 3.00 Lakh**

PART – I

1. Creating awareness amongst employees and public regarding protection of environment by observing Environment day, Environment month and Environment week, Wild life protection week, Fire protection , Swatchta Pakhwara. World Environment day
2. Display of Boards carrying environmental slogans. LED display board for showing environment parameters & Environment care.
3. Celebration of World Environment Day, Environment Week, Environment Month.
4. Celebration for Mass awareness by slogans, working models & Cultural Programme by employees & school children in Mines Environment & Mineral Conservation week under the aegis of IBM.

MEGHAHATUBURU IRON ORE MINES , RMD, SAIL is an Environment Management System ISO 14001:2015 , Quality Management System ISO: 9001 :2015 &Occupational Health & Safety Management System ISO-45001:2018 certified Mines .


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