

0/c
Anil Khirwal

Sized Iron Ore, I/O Fines, Blue Dust & Lime Stone

MINES OWNER & MINERALS SUPPLIERS

Khirwal Market
P.O. Chaibasa - 833 201
Ph. : 9431300407

AK/ 05 /18-19

Date : 18.04.2018

To,
The Member Secretary,
Jharkhand State Pollution Control Board.
T.A. Division Building (Ground Floor),
HEC Complex, Dhurwa,
Ranchi, Jharkhand.
Pin - 834 004.

Sub: Environmental Statement in Form - V of Balaji Iron Ore Mine of Anil Khirwal located at village Balijore, Noamundi, Singhbhum (West), Jharkhand for the year ending 31st March, 2018.

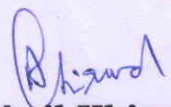
Respected Sir,

We are herewith submitting the Environmental Statement of Balaji Iron Ore Mine, Noamundi for the financial year ending **March' 2018** in **Form- 'V'** as per Rule-14 under Environment (Protection) Rule, 1980.

This is for your kind information and record.

Thanking you,

Yours faithfully


(Anil Khirwal)

Copy to : The Regional Officer, Jharkhand State Pollution Control Board, M - 15, New Housing Colony, Adityapur, Jamshedpur, Jharkhand - 831 013.

[FORM - V]

(See rule 14)

Environmental Statement for the financial year ending 31st March' 2018

PART - A

- (i) **Name and address of the owner/occupier of the industry operation or process. -**
Shri Anil Khirwal, Khirwal Market, Sadar Bazar, At/P.O.- Chaibasa,
Dist. - Singhbhum (West), Jharkhand. Pin - 833 201.
- (ii) **Industry category Primary ---- (STC code) :** Red (Open cast Iron Ore Mine)
Secondary - (SIC Code) : NA
- (iii) **Production capacity.----** 74,000 M.T per Annum of Iron Ore (ROM)
- (iv) **Year of establishment -** 1st April, 1985.
- (v) **Date of the last environmental statement submitted -** Financial year ending 31st March' 2017 dated 11.04.2017.

PART - B

Water and River Material Consumption

- (1) **Water consumption m³/d:**
- | | |
|------------------|--------------------------------------------------------------------------------------|
| Process: | Water sprinkling on haul road by water tanker and dry fog system
i.e. - 629.00 KL |
| Cooling: | Not Applicable |
| Domestic: | Drinking purpose - 456.00 KL |

Name of Products	Process water consumption per unit of product output.	
	During the previous financial Year 2016-17	During the Current financial Year 2017-18
Iron Ore ROM	N.A	N.A

This is an open cast iron ore mines producing sized ore and fines ore. Water is required for dust suppression at Screen plant by the dry fog system & water sprinkling within the haul roads of the mine, loading & unloading points & other area where there is any chances for getting dust.

1. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

ii) **Raw Material Consumption**

*Name of raw materials	Name of products	Consumption of raw material per Unit of output	
		During the previous financial year 2016-17	During the current financial year 2017-18
Iron Ore (ROM)	Lumps sizes and Fines	26,670.000 M.T.	71,740.000 M.T.

Note : This is an open cast Iron Ore mine. After excavation from the mine pits, ROM is fed to Screening unit to produce sized ore of 10-30 mm, 5-18 mm, -10 mm sized iron ores & fines. Whatever material is fed for processing, same comes out as output but of different and required sizes.

*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 discharged to environment/unit of output
(Parameter as specified in the consent issued)

1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water b) Air	N.A	N.A	N.A

PART - D

Hazardous Wastes

(as specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year	During the current Financial year
a) From process:	N.A	N.A
b) From pollution control facilities.	N.A	N.A (It is an Iron Ore mine)

PART – E
Solid Wastes

Sources	Total Quantity	
	During the previous financial year (2016-17)	During the current financial year (2017-18)
From process	Nil	
Form pollution control facility	Nil	
Quantity recycled or re-utilized within the unit a. Sold b. Disposed	Nil	

PART – F

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

Iron ore screening & crushing is based on “Dry Process”. No Hazardous waste is generated from the process except used oil which is drained from Machineries / Equipments. It is used for lubrication. Burnt oil are stored in barrel and kept over an impervious floor under shed in a demarcated area till its disposal to authorized recycler.

Solid Waste:

Solid wastes in terms of overburden & intra-burden are being dumped & stacked respectively at earmarked area with all environmental precautionary measures.

PART – G

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

- i) Rain water harvesting has been commissioned to recharge the ground water as a major step of natural conservation of resources.
- ii) Plantation is done to retain the soil capacity as well as to increase the water holding capacity of the area.
- iii) Waste dump got stabilized with proper terracing, thereby it will be used for back filling of mined out pit.
- iv) Check dams have done for silt control in surface-runoff from mines area (at strategic points)
- v) Construction of retaining wall at the toe of OB & subgrade dump with garland drain followed by settling tanks done to check the surface run-off to prevent soil erosion as well as the mineral conservation.

PART - H

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

- i. Water sprinkling on haul roads by engaging one water tanker of 9 KL, is being carried out on daily basis.
- ii. Overburden dump terraced with various plants.
- iii. Provision of green belt around the mine.
- iv. Provision of check dams, retaining walls and garland drains around periphery of the dumps and sloping areas.
- v. Provision of plantation with various slopes.
- vi. Using of Tarpaulin cover for transporting the material over the dumpers and hyva with from one place to another.
- vii. Quarterly monitoring and analyzed of Air, Water & Noise in NABL accredited laboratories.

PART - I

Any other particulars for improving the quality of the environment.

1. We have Environment monitoring cell for updation in pollution control measurement and for Green Belt development around the safety zone as well as the lease area.
2. Monitoring of ambient air quality, noise, soil, ground water, surface water, DG stack emission and water quality is being done regularly.
3. Regular checking is being made within the lease area with the pollution control devices by the NABL accredited laboratory.
4. Around 5 lacs per annum shall be utilized for improving the quality of the environment.

