



Ref. No. EMIL/GEOL/529/2019-20

Date—12.09.2019

To

The Member Secretary,
State Pollution Control Board, Odisha
Department of Forests & Environment,
Govt. of Odisha, Paribesh Bhawan,
A/118, Nilakantha Nagar, Unit-VIII
Bhubaneswar-751012

Sub: Submission of Environmental Statement in respect of Koira Iron Mines of Essel Mining & Industries Limited, Barbil for the year 2018-19.

Dear Sir,

Please find enclosed herewith the environmental statement report duly filled-in Form-V as prescribed under the Environment (Protection) Rules, 1986 & amendment thereof for the financial year 2018-19 in respect of Koira Iron Mines.

Thanking you,

Yours Faithfully,
For ESSEL MINING & INDUSTRIES LTD.

Dr. Khageswar Mahanta
Head (Geology, Env't & QC)

Encl: As above.

Cc: The Regional Officer, State Pollution Control Board, Sector-5, Rourkela-769002

The Director, Govt. of India, Ministry of Env't., Forests & Climate Change, Eastern Regional Office, A/3, Chandrasekharapur, Bhubaneswar-751023 (email-roez.bsr-mef@nic.in)

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Essel Mining & Industries Ltd.
P.O. Barbil, Dist. Keonjhar,
Odisha 758035, India

Telephone +91 6767 275224, 275422, 276553
Fax +91 6767 275367
CIN U51109WB1950PLC018728

Website www.adityabirla.com
E-mail emilbbl@adityabirla.com

Regd. Office : Industry House, 18th Floor, 10 Camac Street, Kolkata - 700 017

FORM-V
(See rule 14)

Environmental Statement for the financial year ending with 31st March 2019

PART- A

- | | |
|--|--|
| 1. Name and address of the owner/ occupier of the industry, operation or process | Koirra Iron Mine
Essel Mining & Industries Limited
At/PO: Koirra, Dist: Sundergarh
Odisha -770048 |
| 2. Industry category Primary- (STC Code)
Secondary- (STC Code) | : Open Cast Iron Ore Mines (Large Scale) |
| 3. Production capacity | : 4.0 Million Tonne Per Annum |
| 4. Year of establishment | : 1971 |
| 5. Date of the last environmental statement submitted | : 08.09.2018 |

PART- B

Water and Raw Material Consumption:

(i) Water consumption (m³/d)

- | | |
|-------------|-------|
| 1. Process | : 174 |
| 2. Cooling | : Nil |
| 3. Domestic | : 70 |

Name of the product(s)	Process water consumption per unit of products	
	During the previous financial year (2017-18)	During the current financial year (2018-19)
This is an open cast iron ore mines producing sized ore and fines. Water is required for dust suppression at C&S plant by the dry fog system & water sprinkling in other dust prone areas within the mines.		

(ii) Raw material consumption

Name of Raw Material	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year (2017-18)	During the current financial year (2018-19)
This is an open cast iron ore mines. After blasting in the pits, RoM (Run off mine) is fed to Screening & Crushing unit to produce sized ore of 10-30 mm, 5-18 mm and -10 mm sized iron ores fines. Whatever material is fed for processing, same comes out as output of different size fractions. The total ROM production during the year 2018-19 is about 3937437 MT.			

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

