



Ref. No. EMIL/GEOL/ 527 /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 Jilling Langalota Iron & Manganese 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 for the financial year 2018-19 in respect of Jilling Langalota Iron & Manganese Mines.

Thanking you,

Yours Faithfully,  
For ESSEL MINING & INDUSTRIES LTD.

Dr. Khageswar Mahanta  
Head (Geology, Emt & QC)

Encl: As above.

Cc: The Regional Officer, State Pollution Control Board, College Road, Keonjhar-758001

The Director, Govt. of India, Ministry of Emt., Forests & Climate Change, Eastern Regional Office, A/3, Chandrasekharapur, Bhubaneswar-751023 (email-[roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in))

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**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 : Jilling Langalota Iron & Manganese Mines  
Essel Mining & Industries Limited  
At: Jilling, PO: Jajang, Dist: Keonjhar  
Odisha -758034
2. Industry category Primary- (STC Code) : Open Cast Iron Ore Mines (Large Scale)  
Secondary- (STC Code)
3. Production capacity : 6.28 Million Tonne Per Annum
4. Year of establishment : 1954
5. Date of the last environmental statement submitted : 08.09.2018

PART- B

**Water and Raw Material Consumption:**

(i) Water consumption (m<sup>3</sup>/d)

1. Process : 459 (water sprinkling & green belt development)  
2. Cooling : Nil  
3. Domestic : 779 (drinking within & outside the lease area)

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 iron ore and fines. Water is required only for dust suppression at C&S plant by the dry fog system & water sprinkling over the haulage roads within the mines. Water sprinkling is also done over the transportation road outside the lease area. However, the mining operation & allied activities could not be undertaken during financial year 2017-18 up to 16 <sup>th</sup> February, 2018 due to temporary discontinuance of mines on administrative ground since, January, 2014. The Mine resumed its operation from 17 <sup>th</sup> February, 2018.		

(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 iron ore fines(-5 mm & -10 mm). Whatever material is fed for processing, same comes out as output of different size fractions.			

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

