

Ref No: SML/SC/ES/OSPCB/21-22/156 Date:29.07.2021

To, The Member Secretary, State Pollution Control Board, Odisha, Parivesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.

Sub: Environmental Statement of "Khandbandh Iron Ore Mines of M/s. Sree Metaliks Ltd." located in Khandbandh village, Tehsil-Barbil, Dist.: Keonjhar" for the year ending March- 2021.

Dear Sir,

With reference to the above mentioned subject, we are herewith submitting "Annual Environmental Statement" for the financial year ending March, 2021(April, 2020 to March, 2021)" in Form-V as per rule-14 under Environment (Protection) Rules, 1986 of Khandbandh Iron Ore Mines of M/s. Sree Metaliks Ltd. through email paribesh1@ospcboard.orgdue to prevailing pandemic COVID-19 and lock down situation across the country& state. The hard copy of same will be submitted to your good office after situation become normalized or open up of the lock down conditions.

This is for your kind information, please.

Thanking You,

Yours Sincerely,

Mines Manager

Whandabandh Iron Ore Mines Mis. Stee Metalicks Limited Khandbandh Iron Ore Mines of M/s. Sree Metaliks Ltd.

Encl. :

As above.

Copy to:

1. The Regional Officer, SPCB, Regional Office, Keonjhar, Odisha.

2. The Jt. Director (S), Integrated Regional Office, MoEF&CC, A-3, Chandrasekharpur, Bhubaneswar- 751023 (Odisha). The soft of the Annual Environment Statement is mailed to: mef.or@nic.in

[FORM-V]

(See Rule 14) Environment Statement for the financial year ending the 31st March 2021

PART-A

(1)Name and address of the owner / Occupier of the industry,

Operation or process:

(2) Industry category Primary

(3)Production capacity Units (4)Year of establishment

(5)Date of the last Environmental

Statement Submitted

- Khandbandh Iron Ore Mine M/s. Sree Metaliks Ltd.

SML House, Main Road, Barbil -

758035, Keonjhar, Odisha

(STC CODE) Secondary-(SIC Code)

0.702 Million TPA

- 21.03.2018

29.07.2020

PART-B

Water and Raw material Consumption:

(1)Water Consumption m³/day

150KLD

Process (Dust suppression, Plantation development & Workshop) -

- 130m³/Day 10m³/Day

Plantation

- 03m3/Day

Workshop Domestic

- 07m³/Day

Name of Product

Process water consumption per unit of output

Sized Iron Ore

Not Applicable

During the previous during the current

Financial year

financial year

(1)

(2)

(1)

1. Substituted by rule 2 (b) of the environment (Protection) amendment rules, 1993 notified vide G.S.R vide G.S.R 3'6 (E) dated 22.04.1993.

(ii) Raw material consumption

Not Applicable

Name of raw Material

Name of Products

Consumption of raw material

Per unit of out put

During the previous Financial Year

during the current Financial year

*Industry may use codes if disclosing details or 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)

Not Applicable.

(A) Water:

Pollutants

Quantity of pollutants discharged in (mass/day)

Concentration of pollutants on discharges (mass/volume)

% of variation from prescribed standard with reason

Mines Surface runoff water Quality Report

pН

NA

6.89

Within the Range

T.S.S

43.79 kg /day

69.5 mg/ lit

30.50 % below the norm

Oil & Grease

4.03 kg / day

6.4 mg/lit

36 % below the norm

(B) Air: Not Applicable.

Note: Presently there is no such trade effluent and source emissions, except surface run – off discharge.

PART - D

Hazardous Wastes

(As specified under Hazardous Waste/ Management and Handling Rules, 2016) and subsequent amendment thereof.

Hazardous waste [Waste Oil]

Total Quantity [liters]

. During the previous Financial year, 2019-20 During the Current financial year, 2020-21

NA

From process
 From Pollution Control Facility
 Used Oil (Stored at HW yard)
 Oil contaminate waste

NA NA 3.78 KL 0.150 T

NA 4.62 KL 0.213 T

PART-E



Solid Waste

Total Quantity

Financial Year

During the previous During the current

Financial year, 2019-20 Financial year, 2020-21

(a)From process:

29970 MT

256600 MT.

(Overburden and Intercalated Waste)

(b) From pollution control facility

: Not Applicable.

(c)

(1) Quantity recycled or re-utilized within the unit : Not Applicable.

(2) Sold

: Not Applicable.

(3) Disposed

: It is dumped at ear marked areas within the ML Area.

PART-F

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

- There is no such hazardous waste is being generated, other than used oil, oil contaminated waste, filter & filter material, empty barrels & waste battery.
 - o Used Oil: Collection in leak proof barrels and stored in isolated yards under shed with impervious floor having secondary containment pit at the corner for the temporary storage.
 - o Oil contaminated cotton waste, etc.: Compacted into small packages and stored under isolated area in the yard for the temporary storage till the safe disposal of the same.
- Overburden waste is being disposed at ear marked area inside the mine by following the proper sloping, terracing and further development of vegetation with plantation along with mixed grass and some parts are covered with coir mat applications. All the dumps have been provided with retaining wall followed by garland drain and settling at corner of each dump.
- > After commencement of the mines operations, the top soil was collected till the period, 2019-20 and was stacked at the earmarked locations which was subsequently utilised for the green belt development and site plantation purposes & rehabilitation of inactive dump slopes as per the approved Mining Plan.

PART-G

Impact of the pollution abatement measures taken on conservation of natural re-sources and on the cost of the production

- Rain water harvesting project is going on to recharge the ground water as a major step of natural conservation of water resources.
- The project has implemented surface run off management structures i.e. Check dams, check weirs, Settling Ponds, guard walls, garland drains etc. in core zone followed by roof top rain water harvesting measures in residential camp establishments in the buffer zone area.

Plantation is being carried out to retain the soil captivity as well as to increase the water holding.

PART-H

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

- > Water sprinkling on haul roads carried out by engaging two no.s of 12KL capacity of water tanker on daily basis.
- > Dry fog system is provided in all crusher & screen plants for dust suppression.
- Plantation in safety zone and dump areas has been carried out.
- > Check-dam, check weirs for surface run-off & silt management during monsoon season.

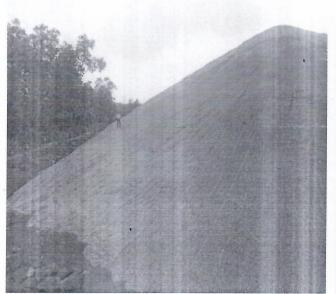
PART-I

Any other particulars for improving the quality of the environment

- > Step towards Environmental Awareness Program, project has observed the "World Environment Day, 5th June 2020" with the plantation campaign in the area.
- > Steps are also taken by the project to create awareness about water conservation, wildlife conservation etc. at nearby villages.



Photo #1 Showing OB Dump stabilization with plantation & geo- coir mate application



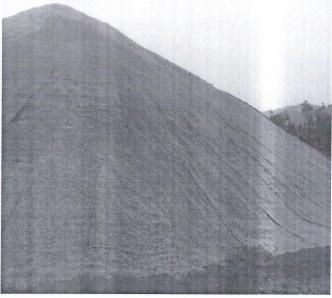
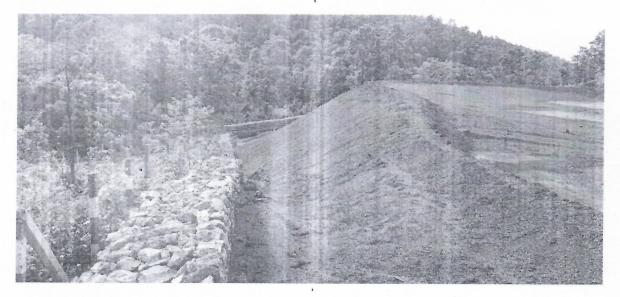


Photo #2 Showing Retaining wall & garland drain around OB Dumps



M

Photo #3 Showing settling cum harvesting pits along with check dam & check weir

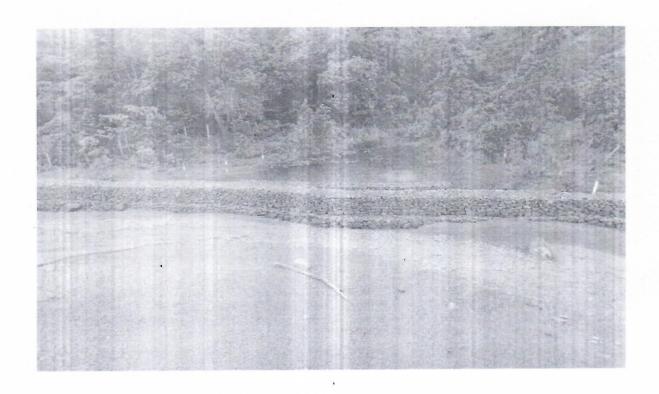


Photo #4 Showing roof top rain water harvesting at camp area

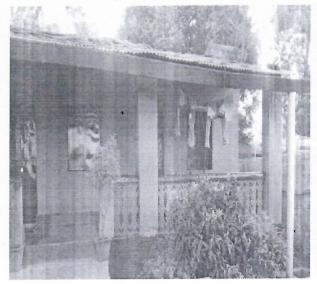




Photo #5 Showing Plantation in Mine Lease Safety Zone





Photo #6 Showing 12 KL Water tanker for Dust Suppression on the Haul Road





Photo #7 Showing dry fog systems in crusher and screen plants



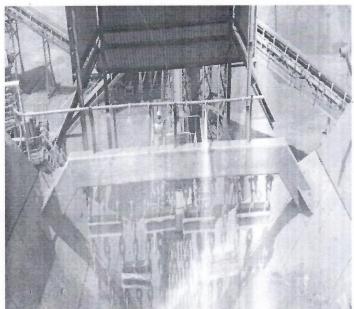


Photo #8 Environment Awareness programme



