SREE METALIKS LIMITED

Ref No:SML/SC/ES/OSPCB/20-21/123 **Date:29.07.2020**

To,
The Member Secretary,
State Pollution Control Board, Odisha,
PariveshBhawan, 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- 2020.

Dear Sir,

With reference to the above mentioned subject, we are herewith submitting "Annual Environmental Statement" for the financial year ending **March, 2020 (April, 2019 to March, 2020)**" 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,

29.07.2020
Mines Manager
Khandabandh Iron Ore Mines
M/s. Sree Metaliks Limited

Mines Manager
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 Director (S), Eastern 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 2020

PART-A

(1)Name and address of the owner / Occupier of the industry, Operation or process:	-	**Khandbandh Iron Ore Mine M/s. Sree Metaliks Ltd. SML House, Main Road, Barbil - 758035, Keonjhar, Odisha**
(2) Industry category Primary	-	**(STC CODE) Secondary-(SIC Code)**
(3)Production capacity Units	-	**0.702 Million TPA**
(4)Year of establishment	-	**21.03.2018**
(5)Date of the last Environmental Statement Submitted	-	**26.09.2019**

PART-B

Water and Raw material Consumption:

(1)Water Consumption m^3/day - **150KLD**

Process (Dust suppression, Plantation development & Workshop)-		**130m^3/Day**
Plantation	-	**10m^3/Day**
Workshop	-	**03 m^3/Day**
Domestic	-	**07m^3/Day**

Name of Product	Process water consumption per unit of output	
	During the previous Financial year	during the current financial year
	(1)	(2)
Sized Iron Ore	**Not Applicable**	
(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**

(1) Pollutants	Quantity of pollutants discharged in (mass/day)	Concentration of pollutants on discharges (mass/volume)	% of variation from prescribed standard with reason

(a) **Water :**
(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, 2018-19	During the Current financial year, 2019-20
1) From process	**NA**	**NA**
2) From Pollution Control Facility	**NA**	**NA**
3) Used Oil	**6.18KL**	**3.78 KL**
4) Oil contaminate waste	**878Kg**	**150 Kg**

PATRT-E
Solid Waste

	Total Quantity	
Financial Year	During the previous Financial year, 2018-19	During the current Financial year, 2019-20
(a)From process: **(Overburden and Intercalated Waste)**	**8862 MT**	**23847 MT.**
(b) From pollution control facility	: **Not Applicable**	**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, etc.
  - 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.
  - Oil contaminated cotton waste: Compacted into small packages and stored under isolated area in the yard.
- 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 project has collectedtop soil during the reporting period, 2019-20 and has stacked at the earmarked locations which will only be used for plantation purpose & 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 managementstructures i.e. Check dams, check weirs, Settling Ponds, guard walls, garland drains etc.
- 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 allscreen 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 2019" 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

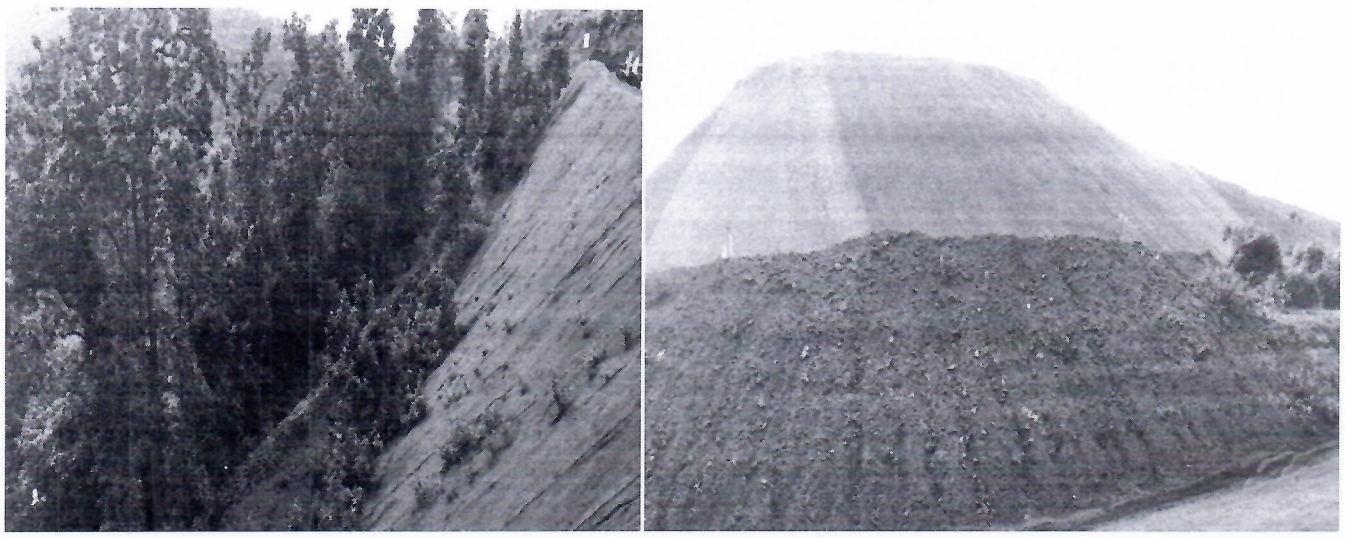

Photo #2 Showing Stacking of Top soil in the earmarked area

Photo #3 Showing Retaining wall & garland drain around OB Dumps

Photo #4 Showing settling cum harvesting pits along with check dam & check weir

Photo #5Showing 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