

TARINI MINERALS PVT. LTD.

(A UNIT OF D.R. PATNAIK & ALTRADE GROUP)

Ref No:DIOM/SPCB/ES/2020-21/ 53-A

Date: 10.09.2021

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

Sub: Environmental Statement of "Deojhar Iron Ore Mines of M/s.Tarini Minerals Pvt. Ltd." located in Thakurani RFnear village Deojhar, Tehsil-Barbil, Dist.: Keonjhar" for the year ending March- 2021.

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 Deojhar Iron Ore Mines of M/s. Tarini Minerals Pvt. Ltd. through email – paribesh1@ospcboard.org due to prevailing pandemic COVID-19 and lock down situation across the country & state.

This is for your kind information, please.

Thanking You,

Yours Sincerely,



Mines Manager
Deojhar Iron Ore Mines
M/s Tarini Minerals (P) Ltd.
*Mines Manager
Deojhar Iron Mines
M/s. Tarini Minerals (P) Ltd.*

Encl. : As above.

Copy to: 1. The Regional Officer, State Pollution Control Board, Regional Office, College Road, Dist.: 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

(ii) Raw material consumption

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Not Applicable

Name of raw Material	Name of Products	Consumption of raw material Per unit of out put
During the previous	during the current Financial Year	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 - **Not Applicable**
(Parameter as specified in the consent issued)

(1)

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

1. Water- (Surface Run-Off Discharge during monsoon period)

<i>Different Parameters</i>	<i>Norms</i>	<i>Result</i>	<i>Quantity of pollutant discharged mass/volume</i>	<i>% of variation from prescribed standard</i>
Total suspended solids(TSS)	100	71	55.91	29%
Iron	3	0.16	0.13	94.6 %
Manganese(Mn)	2	1.27	1.0	36.5 %

2. Site Specific Working Effluent cum ETP

<i>Different Parameters</i>	<i>Norms</i>	<i>Result</i>	<i>Quantity of pollutant discharged mass/volume</i>	<i>% of variation from prescribed standard</i>
Total suspended solids(TSS)	100	83.36	0.42	17 %

Total Iron (Fe)	3	1.23	0.0062	59 %
Oil & Grease	10	6.09	0.0304	39.09%

3. Site Specific Working Sewage treatment plant(STP)

<i>Different Parameters</i>	<i>Norms</i>	<i>Result</i>	<i>Quantity of pollutant discharged mass/volume</i>	<i>% of variation from prescribed standard</i>
Total suspended solids(TSS)	100	85.27	3.41	15 %
Oil& grease	10	3.98	0.16	60 %
Total Iron (Fe)	3	1.75	0.07	42 %

Air: Not Applicable

Note: Present is no such trade effluent and source emissions, expect surface run - off discharge

PART – D

Hazardous Wastes

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

Hazardous waste [Waste Oil]	Total Quantity [liters]	
	During the previous Financial year, 2019-20	During the Current financial year, 2020-21
1) From process	NA	NA
2) From Pollution Control Facility	NA	NA
3) Used Oil	0.6 KL	3.99KL
4) Oil contaminate waste	10 Kg	30Kg
5) Empty Barrels		231 Kg
6) Oil filters		08 Kg

PART-E

Solid Waste

Total Quantity		
Financial Year	During the previous Financial year, 2019-20	During the current Financial year, 2020-21
(a) From process: (Overburden and Intercalated Waste)	: NIL 16000 MT	
(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 used up for road making & maintenance and the rest is dumped at earmarked site as per approved mining plan by Indian Bureau of Mines (IBM).	

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.
- Overburden waste is being used up for road maintenance purpose inside the mine and the rest is kept at earmarked site as per approved Mining Scheme from IBM.
- There is no top soil generation during the reporting period, 2019-20 as the work is confined to already broken up area only.
- 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.

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 completed in staff campus to recharge the ground water as a major step of natural conservation of water resources.
- 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 16KL 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



Water sprinkling with mobile water tanker



Plantation & vegetation on Sub grade dumps



Photo showing Settling pit, Check weirs, retaining wall & garland drain



STP at staff campus and use of treated water for green belt development



STP at Electronic display board at entrance of mines