TARINI MINERALS PVT LTD

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

Ref no: DIOM-TMPL/SPCB/ES/2014/249 **Date: 10.08.2014**

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

Sub: Environment statement of "Deojhar Iron Ore Mines of M/s Tarini Minerals (P) Ltd". located in Thakurani RF near Village Deojhar, Tehsil-Barbil, Dist: Keonjhar" for the year ending March, 2014.

Dear Sir,

We are herewith submitting the "Environment Statement for the financial year ending March, 2014" in **Form-V** as per rule-14 under Environment (Protection) Rules, 1986.

This is for your kind information please.

Thanking You

Yours Sincerely
For, Deojhar Iron Ore Mines

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

Encl.: As above

Copy to: The Regional Officer,
SPCB, Odisha
Regional Office, College Road,
Dist: Keonjhar, Odisha

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[1][FORM-V]

(See Rule 14)

Environment Statement for the financial year ending the 31st March 2014

PART-A

(i) Name and address of the owner / occupier of the industry, operation or process:

Deojhar Iron Ore Mines
M/s. Tarini Minerals Pvt. Ltd.
Works Office: Baneikala, Joda, Dist: Keonjhar, Odisha
Ph no: 06767-272304

(ii) Industry category Primary –(STC CODE) Secondary-(SIC Code)

(iii) Production capacity : Units : **1.5 MTPA**

(iv) Year of establishment: **1994**

(v) Date of the last Environmental Statement Submitted: **03rd August'2013**

PART-B

Water and Raw material Consumption:

(1)Water Consumption m^3/d: **75 CUM/DAY**

Process : Not Applicable
Cooling : Water sprinkling on Haul roads- **71 CUM/DAY**
Domestic : Drinking purpose- **4 CUM/DAY**

Name of Product	Process water consumption per unit of output	
Sized Iron Ore	**Not Applicable**	
	During the previous Financial year	During the current financial year
	(1)	(2)
(1)		
(2)		
(3)		

(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	during the current Financial year
Sized Iron Ore			

*Industry may use codes if dislosing 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 (mass/day)	Conc. of Pollutants in discharges (mass/ volume)	% of variation from prescribed standards with Reasons.
(a) Site specific domestic Effluent cum STP			
pH:	.....	**6.47**	**Within the range (5.5-9)**
TSS	**0.24 Kg/d**	**129.6 mg/l**	**35.2% lower side (200)**
Oil & grease:	**0.004 Kg/d**	**2.26 mg/l**	**77.4% lower side (10)**
Fe:	**0.0014 Kg/d**	**0.8049 mg/l**	**73.17% lower side (3)**
BOD	**0.0028 Kg/d**	**1.522 mg/l**	**23.9% lower side (2)**
(b) Site specific Working Effluent cum ETP			
pH:	.....	**6.69**	**Within the range (5.5-9)**
TSS:	**0.061 Kg/d**	**32.95 mg/l**	**67.05% lower side (100)**
Oil & grease:	**0.006 Kg/d**	**3.23 mg/l**	**67.7% lower side (10)**
Fe:	**0.0023 Kg/d**	**1.27 mg/l**	**57.7% lower side (3)**
(c) Surface Run- off Discharge during monsoon period			
pH:	.....	**6.44**	**Within the range (5.5-9)**
TSS:	**0.1338 Kg/d**	**72 mg/l**	**64% lower side (200)**
Oil & grease:	**0.1108 Kg/d**	**5.97 mg/l**	**40.3% lower side (10)**
Fe:	**0.0021 Kg/d**	**1.16 mg/l**	**63.3% lower side (3)**

(b)Air: Not Applicable

Hazardous Wastes

(as specified under Hazardous Waste/ Management and Handling Rules,1986)

Hazardous waste	Total Quantity	
	During the previous Financial year, 2012-13	During the Current financial year, 2013-14
(a) From process		
(b) From Pollution Control FACILITY		
Others: **Used Oil**	**2520 ltrs**	**2730 ltrs**
Oil Contaminated Cotton waste	**25 kgs**	**90 kgs**

PATRT-E

Solid Waste

	Total Quantity	
	During the previous Financial year, 2012-13	during the current financial year, 2013-14
(a) From process: (Overburden and top soil)	Nil	Nil
(b) From pollution control facility: Not Applicable		
(c) (1) Quantity recycled or re-utilized within the unit.		Not Applicable
(2) Sold.		
(3) Disposed.:		

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.

- Top soil – got utilized during plantation and dump slope stabilization purpose in the previous years.

- Hazardous Waste:
  Used oil: collection in leak proof oil barrels and stored in isolated yard under Shed with impervious floor having secondary containment pit at the corner for the temporary storage.
- Oil Contaminated Cotton Waste : Compacted into small package 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 work completed to recharge the ground water as a major step of natural conservation of resources.
- Massive plantation is going on to retain the soil captivity as well as to increase the water holding capacity of that area.
- Waste dumps got stabilized with coir geo-textiles of 3, 000 m^2 to avoid its erosion there by it will be used for back filling of mined out pits.

PART-H

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

- Water sprinkling system on haul roads by engaging 25KL water tanker is being carried out on daily basis.
- Dry fog system is provided in all screen plants for dust suppression.
- Sewage treatment plant for waste water which is generating from the canteen waste and toilet wastes. And the treated water is utilized for the nearby plantation and gardening purposes.
- Plantation in safety zone, camp areas and dumps.
- Coir matting and mixed grass application over dumps for better stabilization.
- Check-dam for silt control in surface run-off from mines area.

PART-I

Any other particulars for improving the quality of the environment.

Step towards Environmental Awareness Programme, project has observed the "World Environment Day, on 5th June 2013" with the plantation campaign in the area.

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