FROM-V
(See rule-14)

Environment statement for the financial year ending the 31st March, 2018

PART-A

I. Name & Address of the owner/Occupier of the Industry, operation or process:

Talangi Chromite Mine

M/s IDC of Orissa Ltd

Vill-Talangi, Po.-Kansa

Dist-Jajpur, Orissa

II. Industry category primary- (STC CODE) Secondary-(SIC CODE)

III. Production capacity: units: 59520 MT as per scheme

IV. Year of Establishment: 1993

V. Date of the last environmental statement submitted: 05.06.2017

PART-B

Water and Raw material consumption:

1. **water consumption** cum/ day: 50 cum/day

   Process: COB plant- 16 cum/day

   Cooling: water sprinkling on Haul Road- 21 cum/day

   Domestic: Drinking and Domestic – 13 cum/day

Name of Products	Process water consumption per unit of products	
	During the previous financial year 2016-17	During the current financial year 2017-18
1. Chrome concentrate	404 Ltr	375 Ltr

II. Raw material consumption

Name of Raw Materials*	Name of Products	Consumption of Raw Material per unit of output	
		During the previous financial year 2016-17	During the current financial year 2017-18
Chrome Ore	Chrome concentrate	2.31 Mt.	2.28 Mt.

- Industry may use codes if dislosing details or Raw materials would violet contractual obligation, other wise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment per unit of output
(Parameter as specified in the consent issued)

Pollution	Quantity of Pollution discharged (Mass/day.)	Conc of Pollution discharged (Mass/Vol.)	% of variation from prescribed standards with reason.
a)Water Site specific working influent cum ETP			
PH value at 20° C		7.53	16 % Lower side
TSS	127.51 Kg/day	66.2 mg/ltr	34 % Lower side
Bio-chemical oxygen demand (for 5 days at 20° C)	6.18 Kg/day	3.21 mg/ltr	89 % Lower side
Chemical oxygen demand	111.3 Kg/day	57.79 mg/ltr	77 % Lower side
Oil and grease	3.18Kg/day	1.65 mg/ltr	83 % Lower side
Hexavalent chromium	0.06 Kg/day	0.03 mg/ltr	33 % Lower side
Total Chromium	2.12Kg/day	1.10mg/ltr	45 % Lower side
b) Air- Not applicable			

PART-D

HAZARDOUS WASTES

(As specified under hazardous wastes (Management & Handling Rules. 1989)

Hazardous Wastes	Total quantity (Kg)	
	During the previous financial year 2016-17	During the current financial year 2017-18
1. From Process • Used Oil • Waste containing Oil 2. From pollution control facilities • ETP Sludge	 990 ltr 150 kg 12000 kg	 1020 ltr 160 kg 3000 kg

PART-E

SOLID WASTES

	Total quantity (Kg)	
	During the previous financial year 16-17	During the current financial year 17-18
a. From Process (O.B.& Top soil)	1,78,721 m3	2,07,049.79 m3
b. From pollution control facilities	Nil	Nil
c. Quantity recycled or reutilized within the unit	Nil	Nil

PART-F

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

- Overburden waste is being disposed at Quarry no-1 for back filling.
- Top Soil – got utilized during plantation and dump slope stabilization purpose.

PART-G

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

- Massive plantation is going on to retain the soil capacity as well as to increase the water holding capacity of that area.
- Waste dumps got stabilized with massive plantation.

PART-H

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

- Water sprinkling system on haul roads by engaging 10 KL. Water tankers on daily basis.
- Plantation in safety zone, back filled area and dump areas. Total 5000 nos of saplings has been planted in the year 2017-18

PART-I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.

- Environmental week is being observed in the month of January every year, for environmental awareness among the staffs as well as for peripheral villagers.