FROM-V

(See rule-14)

Environment statement for the financial year ending the 31st March, 2017

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: 58,278 MT

IV. Year of Establishment: 1993

V. Date of the last environmental statement submitted: 30.07.2016

PART-B

Water and Raw material consumption:

1. **water consumption** cum/ day: 48 cum/day

   Process: COB plant- 16 cum/day

   Cooling: water sprinkling on Haul Road- 19 cum/day

   Domestic: Drinking and Domestic – 13 cum/day

Name of Products	Process water consumption per unit of products	
	During the previous financial year 2015-16	During the current financial year 2016-17
1. Chrome concentrate	385 Ltr	404 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 2015-16	During the current financial year 2016-17
Chrome Ore	Chrome concentrate	2.30 Mt.	2.31 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		7.88	13 % Lower side
TSS	132.97 Kg/day	68.15 mg/ltr	32 % Lower side
Bio-chemical oxygen demand (for 5 days at 20° C)	7.07 Kg/day	3.63 mg/ltr	88 % Lower side
Chemical oxygen demand	107.31 Kg/day	55.00 mg/ltr	78 % Lower side
Oil and grease	0.15 Kg/day	0.08 mg/ltr	99 % Lower side
Hexavalent chromium	0.06 Kg/day	0.03 mg/ltr	40 % Lower side
Total Chromium	1.02 Kg/day	0.52 mg/ltr	74 % 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 15-16	During the current financial year 16-17
1. From Process • Used Oil • Waste containing Oil 2. From pollution control facilities • ETP Sludge	 1050 ltr 160 kg 13100 kg	 990 ltr 150 kg 12000 kg

PART-E

SOLID WASTES

	Total quantity (Kg)	
	During the previous financial year 15-16	During the current financial year 16-17
a. From Process (O.B.& Top soil)	1,88,283 m3	1,78,721 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, camp areas and dump areas. Total 5000 nos of saplings has been planted in the year 2016-17

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.