



OCL IRON & STEEL LTD. | Rajgangpur-770017, Dist.-Sundargarh-Orissa | India

OISL/ENV-AES-01

Date: 25.06.2013

OCL IRON & STEEL LTD.
DEPT. OFFICE & WORKS
Vill. - Lamloi - P.O. - Garvana
Rajgangpur - 770 017
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To,

The Sr. Environmental Engineer(C)
Odisha State Pollution Control Board,
Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII,
Bhubaneswar- 751012

BHUBANESWAR OFFICE
Plot. No. : HIG - 9
Gangadhar Meher Nagar
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Phone: +91.674.230 0508
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Sub: Annual Environmental Statement for Financial Year 2011-12 and 2012-13

Reference: Letter No. 7697/Ind-I-Con(M)1212, Date: 26.04.2013

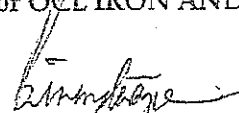
Dear Sir,

With context of above captioned reference letter, Please find enclosed herewith the Environmental Statement in Form-V of M/s OCL Iron & Steel Limited, Lamloi, P.O. Garvana, Rajgangpur of Sundargarh District for the Financial Year 2011-12 and 2012-13.

This is for your kind information and perusal.

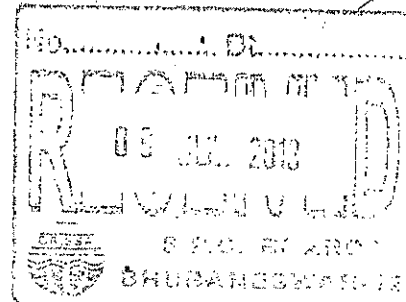
Thanking you

Yours faithfully,
For OCL IRON AND STEEL LIMITED


Director
(Project & Operation)

Encls.-As above

Received
9/7/13



ANNEXURE

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

Environmental Statement for the financial year ending with 31st March

PART-A

- i. *Name and address of the owner/occupier of the industry operation or process:*
YOGESH KAPUR, Chairman
M/s OCL Iron & Steel Limited,
At-Lamloi, P.O. Garvana,
Rajgangpur-770017, Dist. - Sundargarh, Odisha
- ii. *Industry category : Sponge Iron plant with Captive power plant and Steel Melt Shop*
Primary-(STC Code) Secondary-(STC Code) 06624-222562/563
- iii. *Production category - Units.*
DRI: 4X100 TPD,
CPP: 14MW (AFBC: 6MW+WHRB: 8MW),
SMS: IF -2X12 T, LRF-1X16T, Billet Caster- 1X2 Strand
- iv. *Year of establishment : 2002*
- v. *Date of the last environmental statement submitted.*

PART -B

Water and Raw Material Consumption:

- i. *Water consumption in m³/d:*
- Process : 600 m³/d**
- Cooling : 1600 m³/d**
- Domestic : 200 m³/d**

Name of Products	Process water consumption per unit of products	
	During the previous financial year 2011-12	During the current financial year 2012-13
1. Sponge Iron	200 m ³ /d	200 m ³ /d
2. Power 14 MW	1600 m ³ /d	1600 m ³ /d
3. Billet	400 m ³ /d	400 m ³ /d

ii. *Raw material consumption*

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year 2011-12	During the current financial year 2012-13
1. Iron Ore	Sponge iron	1.78 MT	1.78 MT
2. Coal		1.68 MT	1.68 MT
3. Dolomite		0.10 MT	0.10 MT
1. Coal	1kwh	0.8 kg	0.8 kg

* Industry may use codes if disclosing details of 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)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of Variation from prescribed standard with reasons.
(a) Water	Nil	Nil	Adopted zero discharge norms
(b) Air			
PM	<100 µg/m ³	<100 µg/m ³	
NO _x	<80 µg/m ³	<80 µg/m ³	
SO ₂	<80 µg/m ³	<80 µg/m ³	
CO	<04 µg/m ³	<04 µg/m ³	

PART-D

HAZARDOUS WASTES

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year 2011-12	During the current financial year 2012-13
1. From Process	1000 L/Annum used oil generated.	1000 L/Annum used oil generated.
	Used for lubrication of machineries.	Used for lubrication of machineries.
2. From Pollution Control Facilities	Nil	Nil

PART - E

SOLID WASTES:

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year 2011-12	During the current financial year 2012-13
a. From process	Char: 42336 MT/Annum Fly ash: 53580MT/Annum	Char: 34898 MT/Annum Fly ash: 53420MT/Annum
b. From Pollution Control Facility		
c. Quantity recycled or re-utilised within the unit.	Char partly used in AFBC Boiler for power generation.	Char partly used in AFBC Boiler for power generation.

PART - F

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

Hazardous Waste generated 1000 l/Annum each year. The generated waste oil is used for lubrication purpose of the machineries.

Solid waste:

The dolo-char generated from the DRI unit, per year is 42336 MT and Fly ash is 53580MT/Annum. The char is partially used in AFBC Boiler for power generation and remaining part is disposed up at the designated disposal site. The fly ash generated from the power plant is used by the cement manufacturer.

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

- 1. Installation of the pollution control measures such as Bag filters and ESPs at the work site pollution prone area control the emission of the pollutants. This is directly save the precious health of our Human resources who are already engaged at work site for the production of the plant.*
- 2. Green belt development in and around the plant premises by using of many indigenous plant species with special guidance of forest department provided tremendous changes in the work environment. Greenery provides aesthetic value and keeps the work site green and continuously maintains the harmony of nature.*
- 3. Reuse of char generated from the DRI unit at the AFBC boiler minimize the solid waste load and multiply the energy efficiency required for the power generation.*
- 4. The flue gas generated from the DRI kilns used at the Waste Heat Recovery Boilers to produce power. In another way this technology not only keep the environment pollution free also provide the company the CDM benefits with respect of profitability.*
- 5. Bag filters used at the coal Washery and coal circuits collected dust is used at AFBC boiler and DRI kiln. The pollution control devices keeping the works environment dust free and it also prevent the economic loss which may occur by the cola dust.*

6. Scrap is used at SMS. And SMS slag is used for the Road making and cement manufacturing.
7. Fly ash used for the cement manufacturing by the nearby unit.
8. Waste water of the plant is used for the watering of the green belt and water spraying on the road for the fugitive dust control due to vehicular movement.
9. Trucks transporting solid waste are properly covered with tarpaulin during transportation to the designated disposal site.
10. Dust suppression system by water sprinkler at raw materials handling area.

PART - H

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

As per the instruction of Odisha State Pollution Control Board and guidance of IIT, Kharagpur the Air Pollution Control systems are upgraded and higher capacity of Bag filters and Dust silo and Centralized Pneumatic System installed at the respective sites for the control of pollution in the Financial year 2011-12. The satisfactory operation and regular maintenance of the pollution control systems of the plant created a drastic change in the work site and minimize the cost.

PART - I

MISCELLANEOUS:

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

We have a separate Environmental management cell which is controlled by Senior Environmental Engineer. This department undertakes monitoring of the environmental pollution levels by measuring fugitive emissions, ambient air quality, Quality of drinking water, noise level by appointing external agencies.