

SERAJUDDIN & CO.

Mine Owners & Exporters

Head Office :

P-16, BENTINK STREET
KOLKOTA - 1

Branch Office

AT/P.O. - JODA
DIST. - KEONJHAR, ORISSA
Phone : 273452

Balda Block Iron Mines Office :

P.O. - BALDA
DIST : KEONJHAR (ORISSA)

Ref. No......
Ref No: BBIM-SC/SPCB/ES/2012/141

Date.....
Date: 12.09.2012

The Member Secretary
State Pollution Control Board, Orissa
Parivesh Bhawan, A/118,
Nilakantha Nagar, Unit-VIII,
Bhubaneswar-751012

Sub: Environmental Statement of "Balda Block Iron Ore Mines of M/s Serajuddin and Co." located in Village(s) Balda, Bada Kalimati and Nayagarh, Tehsil-Barbil, Dist: Keonjhar" for the year ending March, 2012.

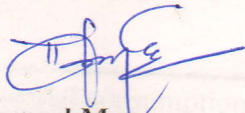
Dear Sir,

We are herewith submitting the "Environmental Statement for the financial year ending March, 2012" in **Form-V** as per rule-14 under Environment (Protection) Rules, 1986.

This is for your kind information, please.

Thanking You,

Yours Sincerely
for **Balda Block Iron Ore Mines,**



General Manager

Encl : As above

Copy to: *The Regional Officer,*
SPCB, Orissa
Regional Office, College Road,
Dist: Keonjhar, Orissa.

Received
24/9/12



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¹[FORM-V]
(See Rule 14)

Environment Statement for the financial year ending the 31st March 2011

PART-A

- (i) Name and address of the owner / occupier of the industry, operation or process:
M/s Serajuddin and Co.
Balda Block Iron Mines
Works Office: At/Po: Joda, Keonjhar-758034,
Ph: 06767-273452
- (ii) Industry category Primary – (STC CODE) Secondary- (SIC Code): _____
- (i) Production capacity: Units: **4.5 MTPA**
- (ii) Year of establishment: **11-12-1962 (Year of commencement of production).**
- (iii) Date of the last Environmental Statement Submitted: **03.09.2011**

PART-B

Water and Raw material Consumption:

(1) Water Consumption m³/day : **500 m³/d**

Process : **Not Applicable**

Mine Spray: **Water Sprinkling for Dust- Suppression, plantation, dry fogging etc.-470 m³/d**

Domestic : **Drinking purpose- 30 m³/d**

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

*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 (mass/day)	Conc. Of Pollutants in discharges (mass/volume)	% of variation from prescribed standards with Reasons.
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(a) Water: **(Surface run-off Discharge)**

pH:	6.625	Within the range
TSS:	242.70 Kg/day	70.5 mg/l	29.5% below the norm
Oil & grease:	5.34 Kg/day	1.55 mg/l	84.5% below the norm
Fe:	3.60 Kg/day	1.045 mg/l	65.16% below the norm
Mn:	0.52 Kg/day	0.15 mg/l	92.6% below the norm

(a) **Water: Site specific domestic Effluent cum STP**

pH:	6.48	Within the range
TSS:	4.357 Kg/day	145.25 mg/l	27.37% below the norm
Oil & grease:	0.065 Kg/day	2.196 mg/l	78.04% below the norm
Fe:	0.071 Kg/day	2.386 mg/l	20.47% below the norm
Mn:	0.001Kg/day	0.135 mg/l	93.25% below the norm

(b)Air: **Not Applicable**

PART-D

Hazardous Wastes:

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

Hazardous waste	Total Quantity	
	During the previous Financial year, 2010-11	During the Current financial year, 2010-12
(a) From process		
(b) From Pollution Control FACILITY		
(c) During lubricant replacement and handling at HEMM :		
Used Oil	13.39 KL
Oil Contaminated Waste	80 Kgs

PART-E

Solid Waste

	Total Quantity	
	During the previous Financial year	during the current financial year
(a) From process: (Over Burden & Top-soil)	6,26,810 MT	2,14,495 MT
(b) From pollution control facility:	Not Applicable	
(c) (1) Quantity recycled or re-utilized within the unit.		
(2) Sold.		
(3) Disposed. It is dumped at ear marked areas of the mines.		

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.

- **Overburden waste is being disposed at ear marked area inside the mine by following the proper sloping, terracing and further development of vegetation with plantation along with mixed grass.**
- **Top soil-got utilized during plantation and dump stabilization purposes.**
- **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 resources and on the cost of the production.

- **Water sprinkling system on haul roads by engaging 25 KL, 12 KL water tanker as well as through incorporation with auto fixed sprinkler.**
- **Cementing of the mineral dispatch roads towards minimization of dust suppression.**
- **Massive plantation and proper caring of previously planted trees are going on to retain the soil captivity as well as to increase the water holding capacity of that area.**
- **Retaining walls have been constructed at the toe of OB dumps to protect the dumps from sliding.**
- **Guard walls are made to prevent entering of mine run-off directly into water bodies.**

PART-H

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

- **Dry fog system in crusher and screen plants for dust suppression**
- **Drilling machine with “Dust extraction system”.**
- **Rain water harvesting project work is in progress thereby enabling to recharge the ground water as a major initiative on natural resources conservation.**
- **Green vegetation with grass seeds and vertiber technology done over OB dumps for better stabilization of dumps.**
- **Plantation in safety zone, road side area and dump areas, etc.**
- **Construction of check dams got provided to protect the perennial rivers from the mines run off.**
- **Construction of STP at camp location to further utilize the treated water in sprinkling, washing, plantation and agriculture purpose.**

PART-I

Any other particulars for improving the quality of the environment.

Step towards Environmental Awareness Program, project has observed the “International Year of Forest, 2011” and “World Environment Day, 5th June 2011” with the plantation campaign in the area.