

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: BBIM-SC/SPCB/ES/2013/198

Date: 16.08.2013

Ref. No.....

Date:.....

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

Sub: Environmental Statement of "Balda Block Iron 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, 2013.

Dear Sir,

We are herewith submitting the "Environmental Statement for the financial year ending March, 2013" 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 Mines, M/s Serajuddin & Co.**



General Manager

Encl. : As above

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

Received
26/8/13

12 AUG 2013

¹[FORM-V]
(See Rule 14)

Environment Statement for the financial year ending the **31st March 2013**

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: **12.09.2012**

PART-B

Water and Raw material Consumption:

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

Process : **Not Applicable**

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

	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 Financial year	during the current

*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 discharged	Quantity of Pollutants in discharges (mass/day)	Conc. Of Pollutants from prescribed volume)	% of variation standards with
Reasons.			
(a)			Water:(Surface run-off Discharge)
pH:	6.65	Within the range
TSS:	375.56 Kg/day	50.5 mg/l	49.5% below the norm
Oil & grease:	22.16 Kg/day	2.98 mg/l	70.2% below the norm
Fe:	8.92 Kg/day	1.2 mg/l	60.00% below the norm
Mn:	NA	BDL	NA
(a)			Water:Water: Site specific
domestic Effluent cum STP			
pH:	6.73	Within the range
TSS:	0.64 Kg/day	127.78 mg/l	36.11% below the norm
Oil & grease:	0.01 Kg/day	2.25 mg/l	77.50% below the norm
Fe:	0.01 Kg/day	1.01 mg/l	66.33% below the norm
Mn:	NA	BDL	NA
Water: Site Specific workshop effluents from ETP			
pH:	7.08	Within the range
TSS:	0.20 Kg/day	40.25 mg/l	19.50% below the norm
Oil & grease:	0.02 Kg/day	3.1 mg/l	69.00% below the norm
Fe:	0.06 Kg/day	1.11 mg/l	62.80% below the norm
Mn:	NA	BDL	NA

(b)Air:Not Applicable

PART-D

Hazardous Wastes: Used oil& Oil contaminated waste

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

Hazardous waste	Total Quantity	
	During the previous Financial year, 2011-12	During the Current financial year, 2012-13
(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
		22.68 KL
		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)	2,14,495 MT	8,39,410 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.

- There is no such hazardous waste is being generated, rather than used oil & oil contaminated 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 collected & preserved for utilization during plantation and dump stabilization purpose.
- 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 5Nos. water tanker as well as through implementation of auto fixed water sprinklers about length of 2.5 Kms all along mines haul & mineral dispatch roads.
- 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 on both sides of the Betjhari Nallah 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 got implemented by recharging the ground water as a major initiative on natural resources conservation.**
- **De-siltation of the village ponds in and around the project periphery towards harvesting and conservation of the water resources.**
- **Green vegetation with grass seeds done over OB dumps for better stabilization of dumps.**
- **Plantation in safety zone, road side area and dump areas, etc. along with avenue plantation in and around the project periphery.**
- **Construction of check dams to protect the perennial nallahs 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 “World Environment Day, 5th June 2012 and Wild Life Conservation Week, Vanamohastav” with the plantation campaign in the area.