

SERAJUDDIN & CO.

Mine owners & Exporters

Head Office:

P-16, BENTINK STREET
KOLKOTA-1

Branch Office:

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

Balda Block Iron Mines Office :

P.O - BALDA
DIST - KEONJHAR (ODISHA)

Ref. No.: BBIM-SC/SPCB/2014/198

Date : 26.08.2014

The Member Secretary

State Pollution Control Board, Orissa
PariveshBhawan, 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, BadaKalimati and Nayagarh, Tehsil-Barbil, Dist: Keonjhar" for the year ending March, 2014.

Dear Sir,

We are herewith submitting the "Environmental Statement for the financial year ending **March, 2014**" in **Form-V** as per rule-14 under Environment (Protection) Rules, 1986.

This is for your kind information, please.

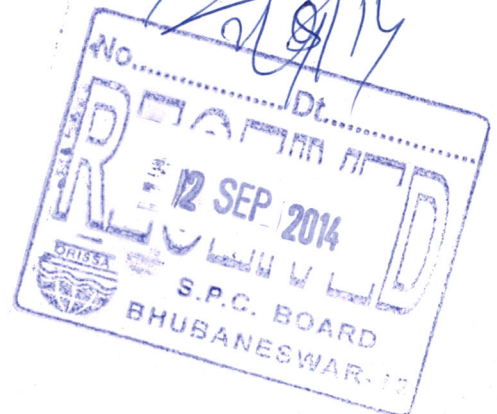
Thanking You,

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


Mines Manager

Encl : As above

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



[FORM-V]

(See Rule 14)

Environment Statement for the financial year ending the 31st March 2014

PART-A

- (1) 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
- (2) Industry category Primary - (STC CODE) Secondary-(SIC Code)
- (3) Production capacity Units - 15.15 MTPA
- (4) Year of establishment - 11-12-1962 (Year of commencement of production).
- (5) Date of the last Environmental Statement Submitted - 16.08.2013

PART-B

Water and Raw material Consumption:

- (1) Water Consumption m³/day - 500 m³/ Day
- Process - NA
- Cooling (Water sprinkling on Haul roads) - 430 m³/ Day
- Domestic (Drinking purpose) - 70 m³/ Day

Name of Product Process water consumption per unit of output

Sized Iron Ore

NA

	During the previous Financial year	during the current financial year
	(1)	(2)

- (1)
(2)
(3)

1. Substituted by rule 2 (b) of the environment (Protection) amendment rules, 1993 notified vide G.S.R vide G.S.R 3'6 (E) dated 22.04.1993.

(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 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)

A) Water:

(Parameter as specified in the consent issued)			
Pollutants	Quantity of Pollutants Discharged (Mass / day)	Conc. of Pollutants Discharged (Mass / Volume)	% of variation from prescribed standard with reasons
Water (ETP Discharge) 5 M³/Day			
pH	NA	7.08	Within the Range
TSS	0.20 kg /day	40.26 mg/ lit	59.74 % below the norm
Oil & Grease	0.017 kg /day	03.32 mg/ lit	64.79 % below the norm
Water (S.T.P Discharge) 40 M³ / D			
pH	NA	6.03	Within the Range
T.S.S	7.95 kg /day	113.62 mg/ lit	43.19 % below the norm
B.O.D	0.015 kg / day	0.21 mg/ lit	99.79 % below the norm
Mines Surface runoff water Quality Report			
pH	NA	7.23	Within the Range
T.S.S	393.60 kg /day	41.00 mg/ lit	49.75 % below the norm
Oil & Grease	31.296 kg / day	3.26 mg/ lit	71.75 % below the norm

Air: Not Applicable

Note: Present is no such trade effluent and source emissions, expect surface run - off discharge

PART - D

Hazardous Wastes

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

Hazardous waste [Waste Oil] [liters]	Total Quantity	
	During the previous Financial year	During the Current financial year
1) From process	NA	NA
2) From Pollution Control FACILITY	NA	NA
3) Used Oil	22.68 KL	18.92 KL
4) Oil contaminate waste	80 Kg	145.8 KG

PART-E

Solid Waste

Financial Year	Total Quantity	
	During the previous Financial year	During the current Financial year
(a) From process: (Overburden and Intercalated Waste)	: 839410.00 MT	782316.00 MT
(b) From pollution control facility	: Not Applicable	
(c) (1) Quantity recycled or re-utilized within the unit	: (Nil)	
(2) Sold	: (Nil)	
(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.
- 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.
- There is no top soil generation during the reporting period.
- 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 re-sources and on the cost of the production

- Regular water sprinkling is being carried out by engaging 6 no. of water tankers (Two 35 KL & four 8 KL) on the mines haul roads & in critical areas prone to air pollution and having high levels of particulate matters such as around crushing & screening plant, loading and unloading point and transfer points for dust suppressions.
- Gap filling plantations, sapling of different varieties of native species was carried on the safety zone, OB dump, road side & peripheral area of ML area 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 fogging along with hoods over conveyor belts got provided for crusher and screen plants.
- Drilling machine with "Dust extraction system" .
- ETP was constructed at service center for treatment of the work shop effluents.
- Suitable rain water harvesting measures along with roof top rain Water Harvesting Structures for the camp area got implemented to recharge the ground water as a major initiative on natural resources conservation.
- 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.
- Construction of check dams & check weirs to protect natural water bodies from the mines run off.
- Construction of STP at camp location to further utilize the treated water in sprinkling, washing, plantation and agriculture purpose.
- Coir matting has been done over all fines dump for dump stabilization & protect from rain cut. Grass seeds spread over all fines dump which is covered with the coir mate.
- Construction of siltation pond for rainwater harvesting & ground water recharge. Further utilize in dust suppression, plantation etc.

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 2013" with the plantation campaign in the area.
- We have conducted the Wild life awareness programme to aware the village people.