

# JAYASWAL NECO INDUSTRIES LTD

CIN : L28920MH1972PLC016154

(STEEL PLANT DIVISION)

SILTARA GROWTH CENTRE, BILASPUR ROAD, SILTARA, RAIPUR - 493111 (C.G.) - INDIA

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JNIL/ENV/Met25/2022/141  
Date : 03/09/2022

O/C

The Member Secretary,  
Chhattisgarh Environment Conservation Board,  
Paryavas Bhavan, North Block Sector-19,  
Naya Raipur(C.G.) 490099.

Sub : Submission of Environmental Statement in Form-V for the period from 1st April, 2021 to 31st March, 2022 for Metabodeli Iron Ore Mine (25 Ha.), located at village- Metabodeli, Tehsil-Pakhanjur, Distt-Kanker(C.G.).

Sir,

Please find enclosed herewith Environmental Statement in Form-V for the Financial Year 2021-2022 for Metabodeli Iron Ore Mine-(25 Ha.) located at village- Metabodeli, Tehsil-Pakhanjur, Distt-Kanker (Chhattisgarh), as per Rule 14 of the Environment (Protection) Rules, 1986.

This is for your information & record please.

Thanking you,

Yours faithfully,  
For Jayaswal Neco Industries Ltd.

Susanta Kumar Moitra  
Associate Director

Encl : Environment Statement ( Form-V) Period from 1st April-2021 to 31st March-2022.

CC to : The Regional Officer,  
Chhattisgarh Environment Conservation Board,  
5 & 6 Housing Board Colony, Aghanpur,  
Chitrakot Road, Jagdalpur(C.G.)



**ENVIRONMENT STATEMENT**

**FOR**

**METABODELI IRON ORE MINE,  
(25 Hects.)**

**at**

**VILLAGE - METABODELI,  
TEHSIL - PAKHANJUR,  
DISTRICT - KANKER,  
CHHATTISGARH.**

**(YEAR 2021 - 2022)**



**BY**

**M/s JAYASWAL NECO INDUSTRIES LIMITED  
SILTARA, RAIPUR  
(CHHATTISGARH)**

**Address - M/s Jayaswal Neco Industries Ltd, Siltara Growth Centre, Siltara, Raipur(C.G.)**



**FORM V**

(See Rule 14)

**Environmental Statement for the financial year ending on 31<sup>st</sup> March, 2022**

**PART A**

(i)	Name and address of the owner/ occupier of the industry operation or process.	:	Shri. Megh Pal Singh, Executive Director & COO M/s Jayaswal Neco Industries Ltd., Siltara Growth Center Siltara, Siltara, Raipur (C.G.).	
(ii)	Industry category Primary	:	Iron Ore mine	
(iii)	Production capacity  Iron Ore	:	Iron Ore – 1.0 MTPA	
		:	2020 - 21	2021 - 2022
		:	9,95,411.00 TPA	9,95,441.00 TPA
(iv)	Year of establishment	:	2002	
(v)	Date of the last environmental Statement submitted	:	20/09/2021	

**PART B**

**(1) Water consumption M3/d**

(i)	Process	:	NIL
(ii)	Cooling	:	NIL
(iii)	Domestic	:	5.0 M <sup>3</sup> /d
(iv)	Other Spraying & Plantation	:	19.45 M <sup>3</sup> /d

**(2) Raw material consumption**

Sr. No.	Name of Product	Process water consumption per unit of product output		
		Unit	During the Previous Financial Year 2020-21	During the current financial year 2021-22
(1)	Iron Ore mining	M <sup>3</sup> /Ton of product	Nil	Nil

## PART C

Pollution discharged to environment/ unit of output (Parameter as specified in the consent issued).

### (3) Ambient Air Quality:- Yearly Average

#### Location 1 :- Near Security Shed (North)

Sr. No.	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	21.25	45.00	36.83	None
2	PM2.5	19.75	24.33	22.08	None
3	SO2	7.33	12.33	9.70	None
4	Nox	7.25	12.37	9.88	None

#### Location 2 :- Near Weighbridge (West).

Sr. No	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	21.08	44.83	37.33	None
2	PM2.5	19.67	24.58	21.83	None
3	SO2	7.20	12.30	9.57	None
4	Nox	7.26	12.44	9.76	None

#### Location 3 :- Near Temporary Store (South).

Sr. No	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	21.25	44.67	36.25	None
2	PM2.5	19.08	24.75	21.67	None
3	SO2	7.20	12.25	9.44	None
4	Nox	7.19	12.38	9.56	None

#### Location 4 :- Near CAF Camp(East).

Sr. No	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	20.92	44.33	36.08	None
2	PM2.5	19.50	24.42	21.58	None
3	SO2	7.27	12.07	9.73	None
4	Nox	7.43	12.48	10.23	None



**Location 5 :- Metabodeli Village(North).**

Sr. No	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	32.50	37	34.50	None
2	PM2.5	21.50	26.00	23.50	None
3	SO2	9.15	9.65	9.40	None
4	Nox	10.25	11.15	10.70	None

**Location 6 :- Chargaon village(East).**

Sr. No	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	34.50	37.50	36.00	None
2	PM2.5	20.50	24.00	22.00	None
3	SO2	6.95	7.40	7.20	None
4	Nox	8.50	9.80	9.10	None

**Location 7 :- Karme village(West).**

Sr. No	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	36.00	39.00	37.50	None
2	PM2.5	18.50	24.00	21.00	None
3	SO2	7.00	9.40	8.25	None
4	Nox	8.55	10.85	9.70	None

**Location 8 :- Surewahi village(NE).**

Sr. No	Pollutant	Concentration of pollutants in discharges ( mass / volume )			% variation from standard*
		Min.	Max.	Avg.	
1	PM 10	35.00	37.50	36.00	None
2	PM2.5	20.50	25.50	23.00	None
3	SO2	7.55	11.35	9.45	None
4	Nox	7.85	12.10	10.00	None

**PART D**  
**Hazardous Wastes**

(as specified under Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016)

Sr. No.	Hazardous Wastes	Total Quantity (MT)	
		During the Previous Financial Year 2020-21	During the current financial year 2021-2022
1.	From Process Used Oil/Spent Oil (Used Oil Cat-5.1)	4.20 K.L.	4.437 K.L.
2.	From Pollution Control Facilities	Nil	Nil

**PART E**  
**Solid Wastes**

Sr. No.	Solid Waste	Total Quantity (MT)	
		During the Previous financial year 2020-2021	During the current financial year 2021-2022
A	From Process	Nil	Nil
1.	Over burden	10,206.00 Metric Tons	25,434 Metric Tons.
2.	Mines Reject	Nil	Nil
B (i)	Quantity recycled or reutilizes within the unit	Nil	Nil
(ii)	Sold	Nil	Nil

**PART F**

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.	Generated OB is being stored in identified place in mine for back filling. After covering with soil plantation will be carried out on overburden dump yard.
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**PART G**

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.	<ol style="list-style-type: none"> <li>Garland drain with settling pond around lease hold area and retaining wall around dump have been done in order to arrest mine water and rain water.</li> <li>As result the red water coming from mine in rainy season has been arrested and water is collected at three ponds and treated with lime &amp; chemical. After treatment clean water is drained outside.</li> </ol>
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	<p>3. AAQ monitoring is carried out as per guide lines to maintain AAQ as per standard prescribed.</p> <p>4. Regular water sprinkling is done to control fugitive &amp; road dust emission.</p> <p>5. To control fugitive &amp; road dust emission covered Green Net around Crushers, Screening &amp; road sides of mine area.both side of Road in mine area.</p>
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**DETAILS OF CSR EXPENSES ON ENVIRONMENT ACTIVITIES FOR THE YEAR 2021-2022**

Sr. No.	Description	Expenses (in Rs.)
1	Health care, sanitation and providing drinking water.	38,76,416.80
2	Promotion of Education and Training.	6,86,560.72
3	Sports Activities	2,43,175.00
4	Environmental Sustainability.	13,76,401.00
5	Promotion and development of traditional Art, Culture & Community Welfare.	3,75,068.00
6	Women Empowerment	95,203.00
7	Rural & Infrastructure Development Project.	1,38,99,310.39
	<b>Total (in Rs.)</b>	<b>2,05,52,134.91</b>

**PART H**

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution.	Plantation under " Harier Chhattisgarh Scheme – 2021" 1000 Nos. of Saplings planted at safety zone for development of green belt area in Metabodeli Iron Ore Mine for the year-2021-22.(Karanj, Black Cirus, White Cirus & Amrud.
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**PART I**

Any other particulars for improving the quality of the environment.	<p>1. To create awareness among the employees by imparting training on environment issues.</p> <p>2. Celebration of World Environment day, in Near Pond Chargaon Village by M/s Jayaswal Neco Ind. Ltd.(Metabodeli Iron Ore Mine-25 Ha.).</p>
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