JAYASWAL NECO INDUSTRIES LTD

CIN : L28920MH1972PLC016154 (STEEL PLANT DIVISION)
SILTARA GROWTH CENTRE, BILASPUR ROAD, SILTARA, RAIPUR - 493111 (C.G.) - INDIA
PH. : +91-7721-264241, 264263 Fax : +91+7721-264279, 264240 Email : spd@necoindia.com

o/c

JNIL/ENV/CD/2024/156
Date : 26/09/2024

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, 2023 to 31st March, 2024 for Chhote Dongar Iron Ore Mine(91.00 out of 192.25 Ha.), located at village-Chhotedongar, Tehsil & Distt-Narayanpur(Chhattisgarh).

Sir,

Please find enclosed herewith Environmental Statement in Form-V for the Financial Year 2023-24 for Chhote Dongar Iron Ore Mine(91.00 out of 192.25 Ha.), located at village-Chhotedongar, Tehsil & Distt-Narayanpur(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-2023 to 31st March-2024.

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

H.O.C.G. Environment Conservation Board
27/9/24
Atal Nagar, Distt. Raipur (C.G.)

ENVIRONMENT STATEMENT
(FORM V)

for

CHHOTEDONGAR IRON ORE MINE,
(91.00 Hect. Out of 192.25 Hects.)
VILLAGE-CHHOTEDONGER
TEHSIL & DISTRICT- NARAYANPUR
CHHATTISGARH

(YEAR 2023 - 2024)

BY

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

FORM V
(See Rule 14)
Environmental Statement for the financial year ending on 31st March, 2024

PART - A

(i)	Name and address of the owner/ occupier of the industry operation or process.	:	Shri. Sangram Kumar Swain Executive Director - SPD Siltara Growth Center, Siltara, Raipur (C.G.)	
(ii)	Industry category Primary-(STC Code) Secondary-(STC Code).	:	Iron Ore mine	
(iii)	Production capacity – Units	:	Iron Ore – 29,50,000 TPA	
			2022-2023	2023-2024
			11,46,098.00 Metric Tons	16,09,847.00 Metric Tons
(iv)	Year of establishment	:	2016	
(v)	Date of the last environmental Statement submitted	:	26/09/2023	

PART - B

Water and Raw Material Consumption

(1) Water consumption M3/d

(i)	Process	:	23.96
(ii)	Cooling	:	NIL
(iii)	Domestic	:	4.66

S.No.	Name of Product	Process water consumption per unit of product output	
		During the Previous Financial Year 2022 – 23	During the current financial year 2023 – 2024
1	Iron Ore	0.0083	0.0054

(2) Raw material consumption

S.No.	Name of raw materials	Consumption of raw material	
		During the Previous Financial Year 2022-23	During the current Financial year 2023-24
1	Diesel Oil	16,30,328 Litres	26,30,966 Liters
2	Lubricants	7,500 Litres	11,000 Liters
3	Grease	500 Kg	1000 Kg
4	Explosives		
(i)	Slurry Explosives (Mention different trade names)	39,025 Kg (Shakti Prime)	40,350 Kg (Shakti Prime)
(ii)	Detonators		

a	Ordinary	27 Nos.	21 Nos.
b	Electrical		
	Ordinary	23 Nos.	-
	Delay	1625	995
c	Fuse		
	Safety Fuse	78 Mtr.	94 Mtr.
	Detonating Fuse	14150 Mtr.	12000 Mtr.
5	Tyres	170 Nos.	400 Nos.

PART - C

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

S.No.	Pollution	Quantity of Pollutants Discharged (mass / day)	Concentration of Pollutants in discharges (mass / volume)	Percentage of variation from prescribed standards with reasons
(a)	Water	Beneficiation Plant not yet installed, no effluent is generated as water is used for sprinkling on haul roads for dust suppression only. No township and permanent office set up at mining site, hence no domestic effluent is generated.	Nil	Nil
(b)	Air	This is an opencast mine and does not have single point source of air pollution. There is DG set in Mine, but it runs only in case of power failure. So, the quantity of air pollutants discharged in kg/day cannot be ascertained. The ambient air quality for 2023-24 is given below:		

Ambient Air Quality – Carried out by NABL accredited lab is given below:-

A) Core Zone Ambient Air Quality Report:-

Location 1 :- Near Old hilltop camp

S.No	Pollutant	Concentration of Pollutants in discharges (mass/volume)	% variation from standard*
		Avg.	
1	PM10	47.5	None
2	PM2.5	28.4	None
3	SO2	8.4	None
4	Nox	14.2	None

Location 2 :- Near Weighbridge-1

S.No	Pollutant	Concentration of Pollutants in discharges (mass/volume)	% variation from standard*
		Avg.	
1	PM10	48.0	None
2	PM2.5	27.1	None
3	SO2	8.6	None
4	Nox	15.7	None

Location 3: - Near 35 Camp

S.No	Pollutant	Concentration of Pollutants in discharges (mass/volume)	% variation from standard*
		Avg.	
1	PM10	46.6	None
2	PM2.5	26.5	None
3	SO2	7.1	None
4	Nox	13.4	None

Location 4: - Near Weighbridge-2

S.No	Pollutant	Concentration of Pollutants in discharges (mass/volume)	% variation from standard*
		Avg	
1	PM10	50.7	None
2	PM2.5	29.2	None
3	SO2	9.6	None
4	Nox	16.5	None

PART – D

Hazardous Wastes

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

S.No.	Hazardous Wastes	Total Quantity (Kg)	
		During the Previous Financial Year 2022-2023	During the Current Financial Year 2023-2024
a.	From Process Used Oil/Spent Oil	2.909 KL	6.979 KL
b.	From Pollution Control facilities	Nil	Nil

PART – E

Solid Wastes

S.No.	Solid Waste	Total Quantity	
		During the Previous Financial Year 2022-2023	During the Current Financial Year 2023-2024
(a)	From Process • **Over burden**	2,03,679 MT	690224.5 MT
(b)	From Pollution Control facility.	Not Applicable	Not Applicable
(c)(1)	Quantity recycled or re-utilizes within the unit	Not Applicable	Not Applicable
(2)	Sold	Nil	Nil
(3)	Disposed **Overburden- Stored within ML area**	2,03,679 MT	690224.5 MT

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.

Hazardous Wastes	Used Oil	Parameter	Result
		(a) Total Sulphur	0.78
		(b) Polychlorinated biphenyls (PCBs)	N.D.
		(c) Lead (as Pb)	10.4 ppm
		(d) Arsenic	N.D.
		(e) Polyaromatic Hydrocarbon (PAH)	1.73 %
		(f) Chromium+Cadmium+Nickel	9.3 ppm

- Hazardous wastes-Generated used oil is sent to the authorized recyclers only.
- Solid Wastes - Solid wastes generated in the form of overburden, which is stacked at designated place within mining lease area.

PART – G

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

- Efforts were made to reduce the consumption of lubricant oil used in Heavy mining equipment's by timely maintenance, arresting leakages and eliminating spillages. Similarly, attempts were also made to reduce the consumption of electricity in operations.
- Water spraying on mine haul ways by water tankers has reduced the dust levels in the ambient air.
- Garland drain constructed to arrest silt within the mining lease area.
- De-silting of all check dams done.
- 5000 Nos. saplings have been planted for green belt developments.
- To create awareness among the employees about environment, World Environment Day was celebrated at Chhotedongar, Narayanpur.
- Environment Management Department is in function to manage regular environmental monitoring jobs and to ensure operation of environmental safeguards.
- The above abatement measures have resulted in improvement of air and water quality, reduction in noise exposure, greenery and aesthetics in the mine.

PART – H

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

1.	Installation of 2 nos. Continuous Ambient Air Quality Monitoring Stations.	93,00,000.00
2.	Water sprinkling on approach road/haul road to control/minimize the fugitive emission.	25,62,000.00
3.	Environment Impact Assessment and Environment monitoring (Air Quality, Water Quality, Noise Level etc.) by NABL Accredited Lab.	15,08,000.00
4.	Green bely development at safety zone and roadsides	1,50,000.00
	Total	**Rs. 1,35,20,000.00**

PART – I

Any other particulars for improving the quality of the environment.

Following activities have been carried out in the year 2023-2024 for environment protection and social development : -

Sr. No.	Description	Expenses (in Rs.)
1	Health Care, Sanitation and providing Drinking Water	3,83,945.30
2	Promotion of Education and Training	1,85,940.00
3	Sports Activities	3,17,364.76
4	Women Empowerment	67,505.00
5	Promotion, Development of Traditional Art, Culture & Community Welfare.	6,68,058.04
6	Rural and Infrastructure Development Projects	5,14,45,333.98
Total (in Rs.)		**5,30,68,147.08**