

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/Manpur/2023/ 124
Date : 26/09/2023

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, 2022 to 31st March, 2023 for Manpur Lime Stone Mine(12.145 Ha.), located at village-Manpur, Tehsil-Sahaspur Lohara, Distt-Kabirdham(C.G.).

Dear Sir,

Please find enclosed herewith Environmental Statement in Form-V for the Financial Year 2022-23 for Manpur Lime Stone Mine(12.145 Ha.), located at village – Manpur, Tehsil-Sahaspur Lohara, Distt-Kabirdham(C.G.), 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-22 to 31st March-2023.

CC to : The Regional Officer,
Chhattisgarh Environment Conservation Board,
5/32 Bungalow, Bhilai,
District-Durg(C.G.)

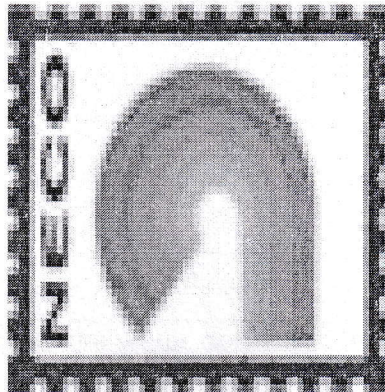


ENVIRONMENT STATEMENT

for

**MANPUR LIMESTONE MINE,
(12.145 Hects.)
VILLAGE - MANPUR
TEHSIL - SAHASPUR LOHARA,
DISTRICT - KABIRDHAM
CHHATTISGARH**

(YEAR 2022-2023)



BY

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

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FORM V
(See Rule 14)

Environmental Statement for the financial year ending on 31st March, 2023 on or before 30th of September every year.

PART - A

(i)	Name and address of the owner/ occupier of the industry operation or process.	:	Shri. Meghpal Singh, Executive Director & COO M/s Jayaswal Neco Industries Ltd., Siltara Growth Center Siltara, Siltara, Raipur (C.G.)	
(ii)	Industry category Primary	:	Limestone Mine	
(iii)	Production capacity- Limestone	:	Limestone - 0.078 MTPA	
			2021-22	2022-23
			29,788.00 TPA	32,243.00 TPA
(iv)	Year of establishment	:	2016	
(v)	Date of the last environmental Statement submitted	:	20/09/2022	

PART - B

Water and Raw Material Consumption

(1) Water consumption M3/d

(i)	Process	:	1.47
(ii)	Cooling	:	NIL
(iii)	Domestic	:	0.021

S.No.	Name of Product	Process water consumption per unit of product output	
		During the Previous Financial Year 2021-22	During the current financial year 2022-23
1	Limestone	0.007	0.008

(2) Raw material consumption

S.No.	Name of raw materials	Consumption of raw material per unit	
		During the Previous Financial Year 2021-22	During the current Financial year 2022-23
1	Diesel Oil	26714 Litres	21818 Litres

2	Lubricants	920 Litres	760 Litres
3	Grease	1460 Kg	1230 Kg.
4	Explosives		
(i)	Slurry Explosives (Mention different trade names)	11025 Kg(Slury explosive 83 mm dia Shakti prime, solar prime eco prime)	9050 Kg(Shakti Prime- ecoprime)
(ii)	Detonators		
a	Electrical		
	Ordinary	56 Nos.	39 Nos.
b	Other (specify) Nonel Detonator	2424 Nos.	1893 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	No effluent is generated as water is used for sprinkling on haul roads for dust suppression only. Not 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. So, the quantity of air pollutants discharged in kg/day cannot be ascertained. The ambient air quality for 2022-23 is given below:		

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

A) Core Zone Ambient Air Quality Report: -

Location 1 :- Near Main Office.

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	47.5	None
2	PM2.5	27.1	None
3	SO2	5.91	None
4	Nox	11.49	None

Location 2 :- Near Crushing Plant

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	42.95	None
2	PM2.5	28.65	None
3	SO2	4.6	None
4	Nox	10.65	None

Location 3 :- Mining Area

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	41.2	None
2	PM2.5	24.15	None
3	SO2	5.65	None
4	Nox	8.1	None

Location 4 :- Near Haul Road

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	44.25	None
2	PM2.5	28.8	None
3	SO2	7.65	None
4	Nox	12.5	None

B - Buffer Zone: - Ambient Air Quality Report**Location 1 :- Ranjeetpur Village -N**

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	49.4	None
2	PM2.5	29.6	None
3	SO2	8.2	None
4	Nox	12.0	None

Location 2 :- Manpur Village - SE

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	47.2	None
2	PM2.5	27.1	None
3	SO2	7.0	None
4	Nox	10.5	None

Location 3 :- Sitlamata Mandir -S

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	45.7	None
2	PM2.5	28.4	None
3	SO2	6.6	None
4	Nox	9.1	None

Location 4 :- Singangarh Village - W

Sr. No	Pollutant	Concentration of pollutants in discharges (mass / volume)	% variation from standard*
		Avg.	
1	PM 10	48.6	None
2	PM2.5	29.9	None
3	SO2	7.6	None
4	Nox	11.6	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 2021-22	During the current financial year 2022-23
a.	From Process	Nil	Nil
b.	From Pollution Control facilities	Nil	Nil

**PART - E
Solid Wastes**

S.No.	Solid Waste	Total Quantity (Kg)	
		During the Previous Financial Year 2021-22	During the current financial year 2022-23
(a)	From Process	Nil	Nil
(b)	From Pollution Control facility	Nil	Nil
(c) (1)	Quantity recycled or re-utilised within the unit	Nil	Nil
(2)	Sold	Nil	Nil
(3)	Disposed	Nil	Nil

PART - F

<p>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.</p>	<p>Nil, since there is no Hazardous waste generated.</p> <p>If any OB generated. It will be stored in identified place for back filling, after covering with soil plantation will be carried out.</p>
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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.
- Construction of Garland drain constructed to arrest silt within the mining lease area.
- De-silting of all check dams done.
- Saplings were planted for green belt developments.
- To create awareness among the employees about environment, World Environment Day was celebrated at Manpur.
- Environment Management Department is in function to manage regular environmental monitoring jobs and to ensure operation of environmental safeguards.
- The Ground vibration study carried out in the core zone and buffer zone area.
- 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.	
Care taking of plants and nursery development for preparation samples for plantation.	We already planted 150 Nos. saplings in Mining Lease area, 25 Nos. saplings outside lease area nearby village and 225 Nos. of Saplings distributed at nearby villages Manpur, Singangarh, Kotra Bundeli and Mohgaon Saplings plant name – GULMOHAR, JAMUN, PELTA FARM, KHAMHAR, KARANJ, SITAFAL & AMLA. Expenditure of Rs.74,400.00 has done towards Environment & sustainability.
Total	Rs.74,400.00

PART - I

Any other particulars for improving the quality of the environment.	<ol style="list-style-type: none"> 1. Totally Controlled mining activity is done by non-electric detonating fuse Nonel or silent explosive is used during blasting in order to minimize ground vibration. 2. To create awareness among the employees by imparting training on environmental issues.
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DETAILS OF CSR EXPENSES ON ENVIRONMENT ACTIVITIES FOR THE YEAR 2022-23

Sr. No.	Description	Expenses in Rupees
1	Health care, Sanitation and providing drinking water.	53,253.00
2	Promotion of Education and Training	22,120.00
3	Promotion, Development of Traditional Art, Culture & Community Welfare	97,001.00
Total (in Rs.)		1,72,374.00

