



SPEED POST

ISL/RGH/ENV/2024-25/034

October' 18, 2024

The Deputy Director General of Forests [C],
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office, Raipur,
Ground Floor, Aranya Bhawan,
North Block Sector-19, Atal Nagar
New Raipur (Chhattisgarh) -492002

SUB:- ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2023-2024, FOR ALL UNITS (Sponge, Power & Steel).

Dear Sir,

Enclosed, please find herewith, the above-mentioned Environmental Statement, for the Financial Year 2023-2024, for your kind information and records please.

We trust that this is in line with your requirement.

Thanking you.

Yours faithfully,

For IND SYNERGY LIMITED

Environment Management Cell



Encl: As stated above.

Cc : (1) : **The Member Secretary**

Chhattisgarh Environment Conservation Board,
Paryawas Bhawan, North Block,
Sector 19, Naya Raipur 492002 (C.G.)

(2) : **The Regional Officers**, Regional Office
Chhattisgarh Environment Conservation Board
T.V. Tower Road Raigarh (C.G)



IND SYNERGY LIMITED

ENVIRONMENTAL STATEMENT (AUDIT REPORT)

**FOR
(Sponge, Power and Steel)**

[FINANCIAL YEAR – 2023-24]

**IND SYNERGY LIMITED
Village: Mahuapali, Kotmar and Siyarpali,
Tehsil and
District: Raigarh (Chhattisgarh)
Phone: 062626-37575**

M/s Ind Synergy Limited
Village: Mahuapali, Kotmar and Siyarpali,
Tehsil and District: Raigarh [C.G.]
ENVIRONMENTAL STATEMENT 2023 – 2024

Environmental Statement

FORM-V
(See rule 14)

for the financial year ending with
31st March 2023

PART-A

i. Name and address of the owner/ occupier of the industry : **M/s Ind Synergy Limited, through Mr. Shashi Bhushan Chaudhari, Director**

Address:

Village: Mahuapali, Kotmar,
Tehsil and District: Raigarh [C.G.].

Operation or Process : Operation

ii. Industry category : Medium Industry

iii. Production Category :
Sponge Iron Manufacturing : 300000 TPA
Iron Ore Crusher : 14.40 LTPA
Coal Washery : 7.20 LTPA
Steel Billets : 1.40 TPA
WHRB based Power Plant : 24 MW
AFBC based Power Plant : 10 MW
Blast Furnace : 300000 TPA
Sinter Plant : 440000 TPA

iv. Year of establishment : Re-started in FY 2018 – 19

v. Date of the last environmental statement submitted : 05/10/2023

M/s Ind Synergy Limited
 Village: Mahuapali, Kotmar and Siyarpali,
 Tehsil and District: Raigarh [C.G.]
ENVIRONMENTAL STATEMENT 2023 – 2024

		Midding & Slurry (CW)	---	0.02 Tons/ MW
5.	Blast Furnace	Iron Ore/Pellets	-	0.43 Tons/Tons
		Sinter	-	1.24 Tons/Tons
		Coke	-	0.70 Tons/Tons
		Pellet		0.002 Tons/Tons
6.	Sinter Plant	Iron Ore Fines	-	0.87 Tons/Tons
		Coke Breeze	-	0.19 Tons/Tons
		Limestone	-	0.23 Tons/Tons
		Dolomite	-	0.08 Tons/Tons
		Mill Scale	-	0.02 Tons/Tons
		Pellets Fines	-	0.01 Tons/Tons

M/s Ind Synergy Limited
 Village: Mahuapali, Kotmar and Siyarpali,
 Tehsil and District: Raigarh [C.G.]
ENVIRONMENTAL STATEMENT 2023 – 2024

PART-C

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

WATER POLLUTION

A). WATER POLLUTION:

Water is not used in the manufacturing process of our Sponge Iron, Power Plant, Steel Division, Blast Furnace and Sinter Plant Units. It is used only for cooling in re-circulation manner. The discharge water of the plants is being collected in settlement tanks and effluent treatment plant and is being used for plantation and water sprinkling on roads, yards etc.

B) AIR POLLUTION:

(i) Summarized Results of Ambient Air Quality Monitoring for the year 2023-24.

S.No.	MONITORING LOCATION	PM 10 (µg/M3)	PM 2.5 (µg/M3)	SO ₂ (µg/m ³)	Nox (µg/m ³)	REMARKS
1.	AAQMS-1 Near safety Office (South Side) About 300 meters. From source	67.25	43.64	Min BDL Max. 38.14	Min BDL Max. 35.12	During the Monitoring period all Pollution Control Equipments were in operation.
2.	AAQMS-2 Near Guest House (East Side)	61.23	42.30	Min BDL Max. 33.03	Min BDL Max. 30.88	
3.	AAQMS-3 Near Blast Furnace (West Side) About 300 meters. From source	65.31	45.32	Min BDL Max. 35.48	Min BDL Max. 33.76	
4.	AAQMS-4 Near Railway Siding (North Side) About 500 meters. From source	66.55	48.97	Min BDL Max. 39.43	Min BDL Max. 36.49	

NOTE : **C.P.C.B Standard (µg/m³)**

PM 10 = 100

PM 2.5 = 60

SO₂ = 80

NOX = 80

BDL denotes <10

M/s Ind Synergy Limited

Village: Mahuapali, Kotmar and Siyarpali,
Tehsil and District: Raigarh [C.G.]
ENVIRONMENTAL STATEMENT 2023 – 2024

(ii) Summarized results of stack emission monitoring for the year 2023-24.

S.N.	NAME OF STACK	TEMP (°C)	PM Mg/Nm ³	REMARKS
1.	R.C.C. Stack of SID -I And SID -II,	140.36	43.42	
2.		138.38	42.98	
3.	SID – III R.C.C STACK	141.25	42.99	
4.	AFBC 10 MW Power Plant R.C.C STACK	138.17	43.68	

NOTE : C.P.C.B STANDARD (mg/Nm³) PM = 50

PART - D

HAZARDOUS WASTES

As specified under Hazardous and Other Wastes (Management and T/b Movement) Rules, 2016.

HAZARDOUS WASTES	TOTAL QUANTITY	
	DURING THE PREVIOUS FINANCIAL YEAR 2022 – 2023	DURING THE CURRENT FINANCIAL YEAR 2023 – 2024
FROM PROCESS (USED OIL)	4.968 KL	3.800 KL
ION EXCHANGE RESIN CONTAINING TAXIC METALS	NIL	NIL

Waste oil and spent Resin is expected to be generated as Hazardous waste. Waste oil is being sold to Authorized Recyclers.

M/s Ind Synergy Limited
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PART - E
SOLID WASTES

Sr. No	Solid Wastes	Name of the solid wastes	Total Quantity (Tones/ Year)	
			During 2022-2023	During 2023-2024
a.	From Process	Char/ Dolochar	53948 MT	78333 MT
		Accretion	4000 MT	4100 MT
		Slag from Induction furnaces	22578 MT	15314 MT
b.	From Pollution Control Facilities	Bag filter, ESP and Dust separation system		
c.	Quantity recycled or reutilized within the unit	Char/ Dolochar	3381 MT	18888 MT
d.	Granulated Slag	Granulated Slag	-	42263 MT
E,	Boulder Slag	Boulder Slag	-	7065 MT

PART - F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Generated char/ dolochar is being given to nearby Power Plants and our sister concern FBC based Power Plant. Furnace slag is being sold to nearby slag crushing units.

PART - G

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

Installations of WHRB & AFBC based Power plant certainly have positive impact on cost of production.

PART - H

Additional measures/investment proposal for environmental protection including abatement of pollution

During this year no additional investment has been made.

M/s Ind Synergy Limited
Village: Mahuapali, Kotmar and Siyarpali,
Tehsil and District: Raigarh [C.G.]
ENVIRONMENTAL STATEMENT 2023 – 2024

PART – I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution

Installations of WHRB based Power plant certainly have positive impact on cost of production.


A [Signature of Director]

Shashi Bhushan Chaudhari

Name:

Designation: Director