



SPEED POST

ISL/RGH/ENV/2022-23/028

September' 30, 2022

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
2020-2021, FOR ALL UNITS (Sponge, Power & Steel).

Dear Sir,

Enclosed, please find herewith, the above-mentioned Environmental Statement, for the Financial Year 2021-2022, 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
(STEEL PLANT)**

**ENVIRONMENTAL STATEMENT
(AUDIT REPORT)**

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

[FINANCIAL YEAR – 2021-22]

**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 2021 – 2022

Environmental Statement

FORM-V
(See rule 14)

for the financial year ending with
31st March 2022

PART-A

i. Name and address of the owner/ occupier of the industry : **M/s Ind Synergy Limited, through Mr. Shrawan Kumar Agrawal, Director**

Address:

Village: Mahuapali, Kotmar and Siyarpali,
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

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

v. Date of the last environmental statement submitted : 25/08/2021

M/s Ind Synergy Limited
 Village: Mahuapali, Kotmar and Siyarpali,
 Tehsil and District: Raigarh [C.G.]
ENVIRONMENTAL STATEMENT 2021 – 2022

PART – B

Water and Raw Material Consumption:

i. Water consumption in M³/ day

2470 m³/ Day

Sr. No	Name of the Products	Process water consumption per unit of products	
		During 2020-21	During 2021 – 22
	Sponge Iron Manufacturing Kilns	0.486m ³ / Tons	0.47 m ³ / Tons
	Iron Ore Crusher	---	---
	Coal Washery	---	---
	Steel Billets	2.568m ³ /Tons	1.1 m ³ /Tons
	WHRB based Power Plant	3.470m ³ / MW	1.52 m ³ / MW

ii. Raw material consumption

Sr. No.	Name of Products	Name of Raw Materials *	Consumption of raw material per unit of output	
			During 2020 – 21	During 2021 – 2022
	Sponge Iron	Coal	1.918 Tons/Tons	1.40 Tons/Tons
		Iron Ore + Pellets	1.706 Tons /Tons	1.78 Tons /Tons
		Dolomite	0.084 Tons /Tons	0.08 Tons /Tons
	Induction Furnaces	Sponge Iron	1.048 Tons/Tons	0.995 Tons/Tons
		Pig Iron	0.124 Tons/Tons	0.197 Tons/Tons
		Scrap	0.003 Tons/Tons	0.024 Tons/Tons
	Power Plant [WHRB based]	Nil	---	---

M/s Ind Synergy Limited
 Village: Mahuapali, Kotmar and Siyarpali,
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ENVIRONMENTAL STATEMENT 2021 – 2022

PART-C

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

WATER POLLUTION

A). WATER POLLUTION:

There is no water used in our manufacturing process of Sponge Iron, Power plant and Steel division unit. It is only used for cooling purposes in re-circulating manners. Discharge water of plants is being collected in settling tanks and being used for plantation and water spraying on roads, yards etc.

B) AIR POLLUTION:

(i) Summarized Results of Ambient Air Quality Monitoring for the year 2021-22.

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	59.68	39.85	Min BDL Max. 37.68	Min BDL Max. 29.84	During the Monitoring period all Pollution Control Equipments were in operation.
2.	AAQMS-2 Near Guest House (East Side)	57.78	39.21	Min BDL Max. 32.40	Min BDL Max. 28.14	
3.	AAQMS-3 Near Blast Furnace (West Side) About 300 meters. From source	57.47	38.97	Min BDL Max. 35.73	Min BDL Max. 30.60	
4.	AAQMS-4 Near Railway Siding (North Side) About 500 meters. From source	59.68	39.71	Min BDL Max. 36.63	Min BDL Max. 30.88	

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
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(ii) Summarized results of stack emission monitoring for the year 2021-22.

S.N.	NAME OF STACK	TEMP (°C)	PM Mg/Nm ³	REMARKS
1.	R.C.C. Stack of SID -I And SID -II,	143	45	
2.		144	46	
3.	SID – III R.C.C STACK	144	44	

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 2020 – 2021	DURING THE CURRENT FINANCIAL YEAR 2021 – 2022
FROM PROCESS (USED OIL)	2.425 KL	0.800 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 (Tonnes/ Year)	
			During 2020 – 21	During 2021–2022
a.	From Process	Char/ Dolochar	54381 MT	37276 MT
		Accretion	8633 MT	1773 MT
		Slag from Induction furnaces	18011.65 MT	20709.30 MT
b.	From Pollution Control Facilities	Bag filter, ESP and Dust separation system		
c.	Quantity recycled or reutilized within the unit	Char/ Dolochar	4178 MT	15253.02 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.

Installation of WHRB 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
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Tehsil and District: Raigarh [C.G.]
ENVIRONMENTAL STATEMENT 2021 – 2022

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.


[Signature of Director]

Shashi Bhushan Chaudhari

Name:

Designation: Director