MAA CHHINNMASTIKA CEMENT AND ISPAT PRIVATE LIMITED

Registered Office & Works:
At- Hehal, Post - Barkakana - 829103, Dist.- Ramgarh (Jharkhand)
CIN:U26941JH2004PTC010665
ramgarh jh@rediffmail.com

O/C

MCCIPL/2024-25 **28/09/2024**

To,
The Member Secretary,
Jharkhand State Pollution Control Board,
HEC Campus, TA Division Building,
Durwa, Ranchi - 834 004.
Jharkhand

Sub: Submission of Environmental Statement Report from the period of April 2023 to March 2024.

Ref.:- CTO Ref. No. – JSPCB/HO/RNC/CTO-1535450/2023/501, Dated 15/03/2023.

Dear Sir,

With reference to the above, we are enclosing herewith the Environmental Statement Report from the period of April 2023 to March 2024.

Please find above in order and do the needful.

Thanking you,

Yours faithfully,
For MAA CHHINNMASTIKA CEMENT & ISPAT PVT. LTD.

Santosh kumar Gupta

Director

Encl: As above.

Cc to: - Regional Officer, Regional Office, State Pollution Control Board, Hazaribagh (Jharkhand)

JHARKHAND STATE POLLUTION CONTROL BOARD ★ RANCHI ★ JSPCB 30/9/2024

To:THE REGIONAL ,HAZARIBAGH
PIN:825301, Hazaribagh HO
From:MAA CHHINNA,HEHAL
Wt:30gms
Amt:41.30,Tax:6.30,Amt.Paid:41.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks, Stay Safe>

EJ325264593IN IVR:6974325264593
SP RAMGARH CANTT HO <829122>
Counter No:10,01/10/2024,10:25

ENVIRONMENTAL STATEMENT
Maa Chhinnmastika Cement & Ispat Pvt. Ltd.
Period from: April 2023 to March 2024

FORM – V

PART – A

1.	Name and address of the Owner / Occupier of the Industry operation or process	Maa Chhinnmastika Cement & Ispat Pvt. Ltd. Occupier name – Santosh Kumar Gupta Village – Hehal, P.O – Barkakana, Dist. – Ramgarh, Jharkhand – 829103
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	Production Capacity	Sponge Iron – 300 TPD Steel Melting Shop – 72000 TPA Rolling Mill – 67500 TPA WHRB – 6 MW AFBC – 9 MW
4.	Year of Establishment	2004 (DRI), 2023 (SMS with Rolling Mill & CPP)
5.	Date of the last Environmental Statement Submitted	20/09/2023

PART – B

WATER AND RAW MATERIAL CONSUMPTION

(I) Water consumption in m3/day:

Process & Cooling : 626 m3/day

Domestic : 11.00 m3/day

Name of Product	Process Water Consumption per Unit of Product Output	
	During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
Integrated unit for the production of Sponge Iron, MS Billets, TMT Bar and Captive Power	2.86	2.18

Santosh Kumar Gupta

(II) RAW MATERIAL CONSUMPTION:

Name of Raw Material	Name of Product	Consumption of Raw Material Per Unit of Output	
		During Current Financial Year (2022-23)	During Current Financial Year (2023-24)
Iron ore/ Iron Ore Pellets	Sponge Iron	2.303	1.95
Coal		1.133	1.216
Dolomite		0.023	0.024
Sponge Iron	MS Billets	-	0.797
MS Scrap		0.292	0.216
Pig Iron		0.037	0.109
Silico Manganese		-	0.009
MS Billets	TMT BAR	0.829	1.080
Coal & Dolochar waste	Power	-	0.723

(III) POWER CONSUPTION (KWH/MT):

During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
129.276 KWH/MT of Sponge Iron	80 KWH/MT of Sponge Iron
993.000 KWH/MT of MS Billet & Rolling Mill	870 KWH/MT of MS Billet
-	140 KWH/MT of TMT Bar

(IV) TOTAL PRODUCTION:

Product Name	During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
Sponge Iron (MT)	65851.100	53851.300
MS Billets (MT)	2872.320	71893.000
TMT BAR (MT)		10205.180
Power (KWH)	2746.33	57954858

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PART-C

DISCHARGED TO ENVIRONMENTAL / UNIT OF OUTPUT

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharge (Mass/Valume)	Percentage of variation from prescribed standard with reasons
(a) Water	• No industrial effluent is generated. In compliance to Zero Liquid Discharge (ZLD), the web camera and flow meter are installed with online monitoring facilities. • The waste water generated from the office toilet and mess has been discharged via septic tank and soak pits.		
(b) Air	• Online monitoring of PM & SO2 are installed with web connectivity with CPCB & SPCB. • Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10 parameter is installed.		

PART – D

HAZARDOUS WASTE

(As specified under Hazardous Wastes (Management, Handling & Trans boundary Movement Rule, 2010)

Hazardous Waste	Total Quantity (Ltrs.)	
	During Current Financial Year (2022-23)	During Current Financial Year (2023-24)
a)From Process	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus. Hazardous waste authorization issued vide letter no JSPCB / HO / RNC / HWM-13306410/ 2023/21 dated 09/04/2023 valid up to 20/08/2027.	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus. Hazardous waste authorization issued vide letter no JSPCB / HO / RNC / HWM-13306410/ 2023/21 dated 09/04/2023 valid up to 20/08/2027.
(b) From Pollution Control Facilities	Not applicable	Not applicable

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PART – E

SOLID WASTE

		Total Quantity (MT)	
		During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
(a)	From Process		
	1) Dolachar (Coal Chai)	44892.640	3749.00
	2) Other waste	33227.660	
(b)	From Pollution Control Facility	Nil	Nil
(c)	Quantity recycled or re- utilized within the unit		
	1) Sold	52583.900	9520.00 (Dolochar waste)
	2) Dispose	35672.690	

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 the categories of wastes.

- Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.
- Coal Char (Chhai) waste, the solid waste generated in process are being sold at present, the earlier stock of coal char are also being sold as per demand.

PART – G

Impact Of The Pollution Control Measures on Conservation of Natural Resources And Consequently On The Cost Of Production

- Unit has 3X100 TPD Sponge Iron kilns, installed three numbers of ESP attached to each kiln stack to control stack emission.
- Unit has installed seven numbers of bag filters at various material transfer points to control fugitive emissions.
- Unit has installed one hundred five numbers of water sprinklers at various places within plant premises to control dust emission / fugitive emission from haul roads.
- All conveyor belts are covered with M.S.Plate.
- All raw materials are kept in covered shed.

Santosh Kumar Gupta

PART – H

Additional Measures/Investments Proposal for Environment Protection Including Abatement of Pollution

- Plantation are done surrounding the boundary wall area and road side within campus. We are also doing support for plantation in nearby village during rainy season every year. New plantations are also made every year in the plant during rainy season.
- EC issued vide letter no F.No.J-11011/215/2016-IA.II(I)dated – 07th August,2019.
- CTE issued vide letter no. JSPCB/HO/RNC/CTE-6089357/2020/366 dt 24.09.2020 from JSPCB. Project work is going on.
- CTO issued vide letter no. JSPCB/HO/RNC/CTO-15354540/2023/501 Dt. 15/03/2023.

PART – I

Any other particulates for improving the quality of environment

- Unit has installed two numbers of online Continuous Emission Monitoring System (CEMS) for measurement of particulate matter (PM) & SO_2.
- The web camera & flow meter has installed with online monitoring facilities.
- Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10, PM 2.5, SO2 & NOx parameters are installed with online monitoring facilities.
- Unit has installed Telemetry System at One no. of Bore well and piezometer.
- Data of CEMS, Camera & flow meter are continuously updated on CPCB & SPCB server.
- 6 numbers of CCTV cameras has been installed within plant premises to monitor the operationalization status of Air pollution Control Devices.
- Unit has installed Dust /Ash handling System with 750 m3 capacity silo for AFBC & 130 m3 capacity silo for DRI with WHRB to control of fugitive emission from bag filter & ESP discharge points.

Santosh Kumar Gupta