

o/c

Ref. OMIPL/ENV_Statement/2023-24

Date:- 21.09.2023

To,
The Member Secretary,
West Bengal Pollution Control Board
Parivesh Bhawan,
10A, Block LA, Sector - III, Salt lake City
Kolkata - 700098



Sub: Environmental Statement for the Financial Year ending the 31st March, 2023 submitted by Orissa Metallurgical Industry Private Limited (Previously M/s Bansal Cement Private Limited.)

Dear Sir,

With reference to the subject mentioned above, we would like to state that Scheme of compromise, arrangement or merger for transfer of Bansal Cement Private Limited (Transferor Company) and Chaudhary Udyog Private Limited (Transferor Company) with Orissa Metallurgical Industry Private Limited (Transferee Company) has been approved by Regional Director (Easter Region) Ministry of Corporate Affair, Govt. of India on vide Order No. RD/T/35859/S-233/22/8621 dated 22nd December 2022, pursuant to Section 233 Companies Act 2013 and Rule 25 (5) of companies (Compromise, Arrangement & Amalgamations) Rules, 2016.

So, according all the statutory clearances like environment clearance, Consent to Establish & Consent to operate transferred in name of M/s Orissa Metallurgical Industry Private Limited by competent authority.

With respect to the above subject matters, now M/s Orissa Metallurgical Industry Private Limited will be submitting Environmental statement.

Environmental statement for the financial year ending the 31st March, 2023 as per rule - 14, Form - V is enclosed for your ready reference.

So, kindly acknowledge the same.

Thanking you,

For, M/s-Orissa Metallurgical Industry Private Limited
(Previously M/s - Bansal Cement Private Limited)

Authorized Signatory



Encl. Stated as above.

**ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR
2022-2023**

FORM - V

**M/S. ORISSA METALLURGICAL INDUSTRY
PRIVATE LIMITED**

(PREVIOUSLY- BANSAL CEMENT PVT. LTD.)



Factory Address:

M/s – Orissa Metallurgical Industry Pvt. Ltd.

**Village – Gokulpur, P.O. – Shyamraipur,
P.S. – Kharagpur (L) Dist. – Paschim Medinipur (W),
Pin – 721301, West Bengal**



[FORM-V]
(Rule-14)

Environmental Statement for the financial year ending the 31st March
2023

PART - I

- i) Name and address of the owner/occupier of the industry operation or process

Register & Corporate Office address:

**M/s Orissa Metallurgical Industry Private Limited
(Previously Bansal Cement Private Limited)**

1, Gastrin Place, Orbit House
3rd Floor, Room No- 3B
Kolkata - 700001
West Bengal

**M/s Orissa Metallurgical Industry Private Limited
(Previously Bansal Cement Private Limited)**

Village - Gokulpur, P.O. - Shyamraipur, P.S - Kharagpur (Local)
Dist. - Medinipur (West), Pin - 721301
West Bengal

- ii) **Industry Category**
Red Category

- iii) **Production Capacity**

	PRODUCTION CAPACITY (TPA) AS PER CFO No. CO-113613 dated 28.10.2021 & CO-144021 dated 18.08.2023	During the previous financial year 2022-2023 (TPA)			
NAME OF THE PRODUCTS CEMENT	5, 94,000 TPA OPC/PPC/PSC & COMPOSITE	Financial year 2021-2022			
		OPC	PSC	PPC	COMPOSITE
		150	8,280	1,920	-----
		Current financial year 2022-2023			
		389.75	13,205	4,210	-----

- iv) **Year of Establishment: - 1995**

- v) **Date of the last Environment Statement Submitted :- 20/06/2021**



PART - B

- i) **Water and river material consumption:-**
1. Water Consumption (m³/day) = 1 KLD
 2. Process = Nil
 3. Cooling = Nil
 4. Domestic Purpose = 1 KLD

Consumption per unit of production:-

Name of the product	Water Consumption of product output during the financial year (2021-2022)	Water Consumption of product output during the current financial year (2022-2023)
Cement	Nil	Nil

*All data are furnished in the basis of makeup water per day and production capacity is as per CFO permission:-

- ii) **Raw Material Consumption :-**

Sl no.	Name of product	Name of Raw Material	Consumption Quantity per annum (2021- 2022)	Consumption Quantity per annum (2022- 2023)
1.	CEMENT	LIME STONE		
		CLINKER	7,068	7,220.60
		FLY ASH	576	1,263
		GYPSUM	1,431	1,257.07
		SLAG	14,085	10,188.00
		COAL	--	--

PART - C

A. WATER POLLUTION:-

Pollutants	Quantity of pollutant discharged (mass/day)	Concentration of pollutants in discharges (mass/ volume)	Percentage of variation from prescribed standard with reason
NIL	Zero Discharge is maintained. No liquid effluent is generated from the manufacturing process. Domestic waste water generated from residential colony and office toilets is treated by septic tank and Soak pits.		



B. AIR POLLUTION:**Pollutant type: - Particular Matter**

Source Of Pollutants	Quantity of pollutant discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standard with reason
Cement grinding unit			Within the limit as per CFO accorded from WBPCB & MoEF/CPCB notification. The analysis report is annexed as Annexure- I.
Raw Material packing tunnel no - 1	0.52 kg/day	5.92 mg/Nm ³	
Ball Mill - 1 with packing section 1	1.8504 kg/day	7.47 mg/Nm ³	
Ball Mill - 2	3.26 kg/day	15.685 mg/Nm ³	
Ball Mill - 3 with packing section	0.163 kg/day	2.14 mg/Nm ³	

PART - D**Hazardous Waste****(As specified under Hazardous Waste Management and Handling Rules, 1989)**

Hazardous Waste	Total Quantity (TPA)	
	During the financial year (2021-2022)	During the current financial year (2022-2023)
From Process	For Liquid = 0.2 MTPA For Solid = 0.005 MTPA	For Liquid = 0.18 MTPA For Solid = 0.01284 MTPA
For pollution control facilities	0.042 MTPA	0.08014 MTPA

PART - E**Solid waste**

	Total Quantity	
	During the financial year (2021-2022)	During the current financial year (2022-2023)
From pollution control facilities (Quantity recycled or reutilized within the unit)	1017.50 TPA	890.23 TPA



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.

Sl. No.	Name of the Hazardous Waste	Quantity per Annum
1.	Used Transformer oil(Rule 5.1)	0.180 MTPA
2.	Cotton Waste/Jute Containing Oil(Rule- 5.2)	0.01284 MTPA
3.	Bag Filter (Rule - 35.1)	0.08014 MTPA

All hazardous waste being/will be disposed of by WBPCB authorized vendors.

Organic bio degradable solid wastes will be used for organic manure creation and used for Green Belt development purpose.

PART - G

In respect of the pollution abatement measures taken up on conservation of natural resources and on the cost of production.

We are adopting some good manufacturing practice for betterment of plant environment like:

1. Bag-filter dust reused in the process.
2. Rejected Bags in returned to the supplier.
3. We are already using fly ash, MBF Slag coming from air pollution control equipment of our associate company to produced PPC cement through solid waste management practice.
4. Online real time continuous stack system is installed and data is being transferred to CPCB server.

PART - H

Additional measures/ investment proposal for environment protection including abatement of pollution prevention of pollution

Additional measures being taken for prevention of Pollution are as follows:

1. Planning of extensive green belt development in the additional areas in and around the plant and along the plant boundary.



2. Schedule maintenance and monitoring of all Air Pollution Control Device's (APCD's) like Bag Filters and Bag House are being regularly undertaken to ensure their efficient operations in order to keep emission level within the prescribed limit.
3. Regular sprinkling and spraying of water is being done through sprinklers and water tanker for suppress the fugitive dust.
4. Repairing of internal road inside the plant to reduce fugitive emission.
5. Awareness programs like plantation activities, Slogan competition, extempore speech competition was organized for children for awareness on environment protection/water conservation on 5th June (World Environment Day).

PART-I

Any other particular for improving the quality of the environment

In addition to training of employees in various aspects of pollution control activities of the plant, programs like celebration of World Environment Day, World Safety Day, screening of films on environment, Tree Plantation etc. will be regularly carried out in order to create greater awareness towards environment protection amongst employees and the people in the neighboring areas.

All the environmental standards / stipulation will be fully maintained by the Plan Management on priority basis.

Constant efforts will be made in making use of the updated technologies.





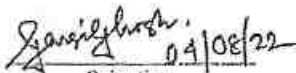
WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY
Raghunathchak, P.O Barghasipur, P.S- Bhabanipur, Haldia
Purba Medinipur- 721657

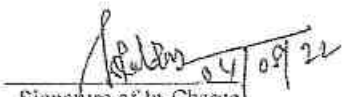
Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry	M/s Bansal Cement Pvt. Ltd		
2. Address	Shyamraipur, Kharagpur, Paschim Medinipur		
3. Category & Type	Red, Cement Plant		
4. Sampling Date	21/07/2022		
5. Duration of Sampling	48 min		
6. Name of Laboratory	R.V Briggs & Co. Pvt Ltd		
7. Height of Stack from ground (m)	33.0		
8. Cross section of Stack at sampling point(m ²)	0.102		
9. Stack connected to	Raw Materials Feeding Tunnel No.-1		
10. Emission due to (Furnace/Boiler)	Feeding of Materials		
11. Average operational hours of boiler/ furnace (per month)	240 hrs/month		
12. APC System (if any)	Bag Filter		
13. Working load of source (MT/hr)	-		
14. Fuel used	-		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace /Boiler	Raw Materials Feeding Tunnel		
18. Flue gas Temp. (°C)	36.0		
19. Flue gas velocity m/s	10.72	20. Volume of Flue gas drawn in lit (m ³)	1.056
21. Corrected flue gas volume (Nm ³)	0.8912	22. Percentage CO ₂ & O ₂	CO ₂ -0.2% & O ₂ -19.8%
23. To be compensated at (%. if required)			
24. initial wt of thimble (gm)	1.5925	25. Final wt of thimble (gm)	1.5982
26. Wt. of PM (g)	5.70	27. Particulate matter (mg/Nm ³)	6.40
28. Barometric Pressure Head	750 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:-		31. Thimble No.	929
32. Sampled by:	A. Das, AEE, HRO		

*Done by R.V Briggs & Co. Pvt Ltd


04/08/22
Scientist


04/08/22
Signature of In-Charge

Copy to:
1. Chief Engineer, O & E, WBPCB.
2. Dr. R.K.Saha, Chief Scientist, WBPCB
3. Asst. Environmental Engineer, H.R.O., WBPCB (two copies)





WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY
Raghunathchak, P.O Barghasipur, P.S- Bhabanipur, Haldia
Purba Medinipur- 721657

Analysis Done at Haldia Regional Laboratory : Analysis Report of Gaseous Emission

1. Name of Industry		M/s Bansal Cement Pvt. Ltd	
2. Address		Shyanraipur, Kharagpur, Paschim Meiniipur	
3. Category & Type		Red, Cement Plant	
4. Sampling Date		21/07/2022	
5. Duration of Sampling		28 min	
6. Name of Laboratory		R.V Briggs & Co. Pvt Ltd	
7. Height of Stack from ground (m)		35.0	
8. Cross section of Stack at sampling point(m ²)		0.2829	
9. Stack connected to		Ball Mill No.-2	
10. Emission due to (Furnace/Boiler)		Process Activity	
11. Average operational hours of boiler/ furnace (per month)		720 hrs	
12. APC System (if any)		Bag Filter	
13. Working load of source (MT/hr)		100 TPD	
14. Fuel used		-	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		-	
17. Nature of Furnace /Boiler		Ball Mill	
18. Flue gas Temp. (°C)		52.0	
19. Flue gas velocity m/s	4.94	20. Volume of Flue gas drawn in lit (m ³)	1.092
21. Corrected flue gas volume (Nm ³)	0.9216	22. Percentage CO ₂ & O ₂	CO ₂ -0.2% & O ₂ -19.6%
23. To be compensated at (% , if required)			
24. Initial wt of thimble (gm)	1.5887	25. Final wt of thimble (gm)	1.5910
26. Wt. of PM (g)	2.30	27. Particulate matter (mg/Nm ³)	2.50
28. Barometric Pressure Head	750 mm of Hg	29. Diameter of the nozzle	12.7 mm
30. Others:-		31. Thimble No.	928
32. Sampled by:		A. Das, ABE, HRO	

*Done by R.V Briggs & Co. Pvt Ltd

Ranjit Saha
04/08/22
Scientist

A. Das
04/08/22
Signature of In-Charge

- Copy to:
1. Chief Engineer, O & E, WBPCB.
 2. Dr. R.K.Saha, Chief Scientist, WBPCB
 3. Asst. Environmental Engineer, H.R.O., WBPCB (two copies)





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HALDIA REGIONAL LABORATORY
Raghunathchak, P.O Barghasipur, P.S- Bhabanipur, Haldia
Purba Medinipur- 721657

Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry	M/s Bansal Cement Pvt. Ltd		
2. Address	Shyanraipur, Kharagpur, Paschim Medinipur		
3. Category & Type	Red, Cement Plant		
4. Sampling Date	21/07/2022		
5. Duration of Sampling	40 min		
6. Name of Laboratory	R.V Briggs & Co. Pvt Ltd		
7. Height of Stack from ground (m)	35.0		
8. Cross section of Stack at sampling point(m ²)	0.2643		
9. Stack connected to	Ball Mill No.-1(Packing Section-I)		
10. Emission due to (Furnace/Boiler)	Process Activity		
11. Average operational hours of boiler/ furnace (per month)	720 hrs		
12. APC System (if any)	Bag Filter		
13. Working load of source (MT/hr)	100 TPD		
14. Fuel used	-		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace/Boiler	Ball Mill		
18. Flue gas Temp. (°C)	38.0		
19. Flue gas velocity m/s	12.36	20. Volume of Flue gas drawn in lit (m ³)	1 000
21. Corrected flue gas volume (Nm ³)	0.8439	22. Percentage CO ₂ & O ₂	CO ₂ -0.2% & O ₂ -19.4%
23. To be compensated at (% if required)			
24. Initial wt of thimble (gm)	1.5548	25. Final wt of thimble (gm)	1.5611
26. Wt. of PM (g)	6.30	27. Particulate matter (mg/Nm ³)	7.47
28. Barometric Pressure Head	750 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:-		31. Thimble No.	927
32. Sampled by:	A. Das, AEE, HRO		

*Done by R.V Briggs & Co. Pvt Ltd

Sandeep Kumar
04/08/22
Scientist

A. Das
04/08/22
Signature of In-Charge

- Copy to:
1. Chief Engineer, O & E, WBPCB.
 2. Dr. R.K.Saha, Chief Scientist, WBPCB
 3. Asst. Environmental Engineer, H.R.O., WBPCB (two copies)





WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY
Raghunathchak, P.O Barghasipur, P.S- Bhabanipur, Haldia
Purba Medinipur- 721657

Analysis Done at Haldia Regional Laboratory : Analysis Report of Gaseous Emission

1. Name of Industry	M/s Bansal Cement Pvt. Ltd.		
2. Address	Vill- Mathura Kismat, PO- Shyamraipur, PS- Kharagpur(Local), Dist- Paschim Medinipur		
3. Category & Type	Red(Cement Plant)		
4. Sampling Date	28/03/2023		
5. Duration of Sampling	48 min		
6. Name of Laboratory	S M Scientific Scientific Services		
7. Height of Stack from ground (m)	40.0		
8. Cross section of Stack at sampling point(m ²)	0.1017		
9. Stack connected to	Ball Mill No.-3		
10. Emission due to (Furnace /Boiler)	Process Activity		
11. Average operational hours of boiler/ furnace (per month)	720 hrs/month		
12. APC System (if any)	Bag Filter		
13. Working load of source (MT/hr)	100 TPD		
14. Fuel used	-		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace /Boiler	Ball Mill		
18. Flue gas Temp. (°C)	50.0		
19. Flue gas velocity m/s	10.28	20. Volume of Flue gas drawn in lit (m ³)	1.008
21. Corrected flue gas volume (Nm ³)	0.8400	22. Percentage CO ₂ & O ₂	-
23. To be compensated at (% , if required)	-		
24. Initial wt of thimble (gm)	1.5349	25. Final wt of thimble (gm)	1.5367
26. Wt. of PM (mg)	1.80	27. Particulate matter (mg/Nm ³)	2.14
28. Barometric Pressure Head	758 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:-		31. Thimble No.	340
32. Sampled by:	K. Sahoo, AEE, HRO		

Ganguly
Scientist 05/04/2023

Smita
Signature of In-Charge 05/04/2023

- Copy to:
1. Chief Engineer, O & E, WBPCB.
 2. Chief Scientist, WBPCB
 3. AEE & I/C, H.R.O, WBPCB (two copies)





WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY
Raghu Nathchak, P.O Barghasipur, P.S- Bhabanipur, Haldia
Purba Medinipur- 721657

Analysis Report of Gaseous Emission
Analysis Done at Haldia Regional Laboratory :

1. Name of Industry	M/s Bansal Cement Pvt. Ltd.		
2. Address	Vill- Mathura Kismat, PO- Shyamraipur, PS- Kharagpur(Local), Dist- Paschim Medinipur		
3. Category & Type	Red(Cement Plant)		
4. Sampling Date	28/03/2023		
5. Duration of Sampling	31 min		
6. Name of Laboratory	S M Scientific Scientific Services		
7. Height of Stack from ground (m)	33.0		
8. Cross section of Stack at sampling point(m ²)	0.0729		
9. Stack connected to	Raw Materials Feeding Tunnel No.1		
10. Emission due to (Furnace /Boiler)	Feeding of Materials		
11. Average operational hours of boiler/ furnace (per month)	240 hrs/month		
12. APC System (if any)	Bag Filter		
13. Working load of source (MT/hr)	-		
14. Fuel used	-		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace /Boiler	-		
18. Flue gas Temp. (°C)	41.0		
19. Flue gas velocity m/s	16.37	20. Volume of Flue gas drawn in lit (m ³)	1.023
21. Corrected flue gas volume (Nm ³)	0.9010	22. Percentage CO ₂ & O ₂	-
23. To be compensated at (% if required)	-		
24. Initial wt of thimble (gm)	1.4705	25. Final wt of thimble (gm)	1.4754
26. Wt. of PM (mg)	4.90	27. Particulate matter (mg/Nm ³)	5.44
28. Barometric Pressure Head	758 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:-		31. Thimble No.	362
32. Sampled by:	K. Sahoo, AEE, HRO		

[Signature]
05/04/2023
Scientist

[Signature]
05/04/2023
Signature of In-Charge

- Copy to:
1. Chief Engineer, O & E, WBPCB.
 2. Chief Scientist, WBPCB
 3. AEE & I/C, H.R.O, WBPCB (two copies)





WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY
Raghunathchak, P.O Barghasipur, P.S- Bhabanipur, Haldi
Purba Medinipur- 72165

Analysis Report of Gaseous Emission
Analysis Done at Haldia Regional Laboratory :

1. Name of Industry	M/s Bansal Cement Pvt. Ltd.		
2. Address	Vill- Mathura Kismat, PO- Shyamraipur, PS- Kharagpur(Local), Dist- Paschim Medinipur		
3. Category & Type	Red(Cement Plant)		
4. Sampling Date	28/03/2023		
5. Duration of Sampling	38 min		
6. Name of Laboratory	S M Scientific Scientific Services		
7. Height of Stack from ground (m)	35.0		
8. Cross section of Stack at sampling point(m ²)	0.2826		
9. Stack connected to	Ball Mill No.-2		
10. Emission due to (Furnace /Boiler)	Process Activity		
11. Average operational hours of boiler/ furnace (per month)	720 hrs/month		
12. APC System (if any)	Bag Filter		
13. Working load of source (MT/hr)	200 TPD		
14. Fuel used	-		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace /Boiler	Ball Mill		
18. Flue gas Temp. (°C)	56.0		
19. Flue gas velocity m/s	13.57	20. Volume of Flue gas drawn in lit (m ³)	1.026
21. Corrected flue gas volume (Nm ³)	0.8660	22. Percentage CO ₂ & O ₂	-
23. To be compensated at (%; if required)	-		
24. Initial wt of thimble (gm)	1.4968	25. Final wt of thimble (gm)	1.5218
26. Wt. of PM (mg)	25.00	27. Particulate matter (mg/Nm ³)	28.87
28. Barometric Pressure Head	758 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:-		31. Thimble No.	339
32. Sampled by:	K. Sahoo, AEE, HRO		

Sangit Ghosh 05/04/2023
Scientist

Santa 05/04/2023
Signature of In-Charge

- Copy to:
1. Chief Engineer, O & E, WBPCB.
 2. Chief Scientist, WBPCB
 3. AEE & I/C, H.R.O, WBPCB (two copies)