

**Six Monthly (JUNE- 2024) Compliance Report for Period from October 2023 to March 2024 for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through up gradation/modification of the existing plant and by installation of 3 X 600 TPD + 1 X 200 TPD ball mill and 1 X 2000 TPD VRM in the existing premises at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), District-Paschim Medinipur, West Bengal by M/s. Orissa Metallurgical Industry Private Limited**

1 message

ORISSA METALLURGICAL PRIVATE LIMITED <orissametallurgicalpvtltd@gmail.com>

Wed, May 22, 2024 at 11:45 AM

To: Dr Soma Das <iro.kolkata-mefcc@gov.in>, sp.quazi@gov.in, roez.bsr-mef@nic.in, ms@wbpcb.gov.in, wbpcbnet@wbpcb.gov.in

Bcc: Biswanath Sharma <biswanath@rashmigroup.com>, Bijayen Srivastava <bijayen.srivastava@rashmigroup.com>, omp11.environment@rashmigroup.co.in

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 22<sup>nd</sup> December 2022, pursuant to Section 233 Companies Act 2013 and Rule 25 (5) of companies (Compromise, Arrangement & Amalgamations) Rules, 2016.

So, all the environment clearance transferred from Ms. Bansal Cement Private Limited to M/s. Orissa Metallurgical Industry Private Limited by SEIAA West Bengal vide memo no-820/EN-II-1/045/2017 dated 27<sup>th</sup> April 2023.

Also Consent to Establish & Consent to operate transferred in name of M/s Orissa Metallurgical Industry Private Limited by competent authority.

As per Environment Clearance, Specific as well as General Condition wise status report along with monitoring data for the environmental parameters is enclosed for your kind perusal. We assured that we will comply with all the conditions laid down in the consent letter and also abide by all Rules & Regulations.

Hope you will find the same in order.

Thanking you.

Yours Faithfully


With Warm Regards,  
**Authorised Signatory**

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

**Room No. 3B, 1 Garstin Place, Kolkata-700001, West Bengal**

**Mbl. No-7044070948**

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 EC Compliance June 2024.pdf  
12418K

Ref. OMIPL (Cement)/ENV\_COMP / JUNE\_2024

Date: 21.05.2024

To,

**The Member Secretary**

West Bengal Pollution Control Board,  
Paribesh Bhawan,  
10A Block - LA, Sector - III,  
Kolkata - 700098

**Sub. Six Monthly (June- 2024) Compliance Report** for Period from **October 2023 to March 2024** for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through up gradation/modification of the existing plant and by installation of 3 X 600 TPD + 1 X 200 TPD ball mill and 1 X 2000 TPD VRM in the existing premises at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), District-Paschim Medinipur, West Bengal by **M/s. Orissa Metallurgical Industry Private Limited.**

**Ref:** - EC No- 3310/EN/T-II-1/045/2017 dated 03.10.2018; Corrigendum in EC for correction in stack height for cement grinding unit vide reference no. 231/EN/T-II-1/045/2017 dated 04.02.2019; EC Transfer vide memo no- 820/EN-II-1/045/2017 dated 27.04.2023; change in configuration vide proposal no-SW/2560/2023 dated 10.05.2023 under clause 7 (II) C notification of MoEF&CC vide S.O. 980(E) dated 02.03.2021

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 22<sup>nd</sup> December 2022, pursuant to Section 233 Companies Act 2013 and Rule 25 (5) of companies (Compromise, Arrangement & Amalgamations) Rules, 2016.

So, according all the environment clearance transferred from Ms. Bansal Cement Private Limited to M/s. Orissa Metallurgical Industry Private Limited by SEIAA West Bengal vide memo no-820/EN-II-1/045/2017 dated 27<sup>th</sup> April 2023.

Also Consent to Establish & Consent to operate transferred in name of M/s Orissa Metallurgical Industry Private Limited by competent authority.

As per Environment Clearance, Specific as well as General Condition wise status report along with monitoring data for the environmental parameters for the period of October 2023 to March 2024 is enclosed for your kind perusal. The same have also been uploaded on parivesh portal (copy attached).

Here, we would like to inform that the last six monthly compliance report for the period April 2023-September 2023 was submitted to concerned department vide mail & letter no- OMIPL (Cement)/ENV\_COMP/DECEMBER\_2023 dated 27.11.2023 on parivesh portal vide Compliance ID: 26104173 dated 27.11.2023.

We assure that we will comply all the conditions laid down in the consent letter and also abide by all Rules & Regulations.

Hope you will find the same in order.

Thanking you.

Yours Faithfully,

For, **M/s. Orissa Metallurgical Industry Private Limited**

*For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED (PREVIOUSLY M/s. Bansal Cement Private Limited)*

**Authorized Signatory**

*Director/Authorized Signatory*

CC:

- 1) **Regional Office**, Ministry of Environment, Forests & Climate Change, Bhubaneswar, A/3 Chandrasekharapur, Bhubaneswar - 751023, Odisha
- 2) **Sub Office, Kolkata**, Regional Office, Bhubaneswar, Ministry of Environment, Forest and Climate Change, IB-198, Sector-III, Salt Lake City, Kolkata - 700 106

3) **The Member Secretary, SEIAA, Govt. of West Bengal, 5<sup>th</sup> Floor, Praneesampad Bhawan, Block LB-II, Salt lake, Sector-III, Bidhannagar, Kolkata-700106**

**Enclosures:-**

1. Compliance Report for EC
2. Copy of Latest Stack Monitoring Report as Annexure-I.
3. OCEMS data for six month as Annexure-II.
4. Copy of AAQM Monitoring Report as Annexure-III.
5. Copy of CAAQM Report as Annexure-IV.
6. Copy of Fugitive Emission Report as Annexure-V.
7. Ground Water Monitoring Report Annexure-VI.
8. Green Belt detail as Annexure-VII.
9. Copy of Noise Quality Monitoring Report Annexure-VIII.

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  
  
Director/Authorized Signatory

# SIX MONTHLY COMPLIANCE REPORT (JUNE-2024)

FOR

Project Name- the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 3 X 600 TPD + 1 X 200 TPD ball mill and 1 X 2000 TPD VRM in the existing premises

**EC NO- 3310/EN/T-II-1/045/2017 dated:  
03.10.2018 & memo no- 820/EN-II-  
1/045/2017 dated 27.04.2023**

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  
  
Director/Authorized Signatory



Location: - Village-Gokulpur, P.O-Shyamraipur, District-  
Paschim Midnapore (W.B.)

**M/S. ORISSA METALLURGICAL INDUSTRY PVT. LTD.**

**(PREVIOUSLY- BANSAL CEMENT PVT. LTD.)**

**'ORBIT' 3<sup>RD</sup> FLOOR, 1, GARSTIN PLACE  
KOLKATA - 700 017, WEST BENGAL  
Phone No.-033 - 22438517-20**

**Email id- [orissametallurgicalpvtltd@gmail.com](mailto:orissametallurgicalpvtltd@gmail.com)**

Name of the Project: -

Expansion of Existing cement Grinding Unit from 0.072 MTPA to 1.45 MTPA through up gradation/modification of the existing plant and by installation of 3 X 600 TPD + 1 X 200 TPD Ball Mill and 1X2000 TPD VRM by M/s Orissa Metallurgical Industry Private Limited.

Clearance Letter/s No. and date: -

EC No-3310/EN/T-II-1/045/2017 dated 03.10.2018; Corrigendum in EC for correction in stack height for cement grinding unit vide reference no. 231/EN/T-II-1/045/2017 dated 04.02.2019; EC Transfer vide memo no- 820/EN-II-1/045/2017 dated 27.04.2023; change in configuration vide proposal no-SW/2560/2023 dated 10.05.2023 under clause 7 (II) C notification of MoEF&CC vide S.O. 980(E) dated 02.03.2021

Period of Compliance Report: -

October 2023 to March 2024

SL. No.	CONDITIONS	COMPLIANCE STATUS
<b>A. SPECIFIC CONDITIONS</b>		
I.	The gaseous emissions from various process units should conform to the load/mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.	Being Complied  We are regularly monitoring the stack emission for Ball Mill, Coal fired dryers, packing section, raw materials section etc. by WBPCB/ NABL/ MoEF &CC accredited laboratory in time bound manner. Latest Stack report is enclosed as <b>Annexure-I</b> .  Also, as per CPCB guidelines OCEMS (Particular Matter) is installed at major stack and data is continuously being transferred to CPCB server. Six monthly data of OCEMS is enclosed as <b>Annexure-II</b> .
II.	Cement grinding shall be carried out in cement vertical roller mill/roller press. Provision of dust extraction and pollution control systems along with minimum stack height of 35 m from G.L. should be made for control of emission. Adequate control measures like installation of Bag Filters, Dry Fog Dust Suppression system, water sprinkler, Dust Extraction system, and stack of adequate height at relevant points shall be made. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 30 mg/Nm <sup>3</sup> .	Will be complied  The construction work of the proposed 1 x 2000 TPD VRM project has not been started yet. At the time of construction and operation of the VRM, APC devices having adequate capacity will be installed and steps will be taken to monitor and maintain the emission level as per standards.
III.	Regular monitoring of the ambient air quality shall be carried out in	Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited

  
Director/Authorized Signatory

and around the plant and records shall be maintained. All care to be taken to maintain the ambient air quality standards as per GSR 826(E) dated 16.11.2009. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>2</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to the SEIAA and the SPCB once in six months.

laboratories. Qualissure Laboratory Services which is NABL accredited laboratory has done the analysis. The analysis data as per report for month of March 2024 are:

Parameters	Near Plant Main Gate	Radhanagar Village	Mathurakismat Village
PM <sub>10</sub> µg/m <sup>3</sup>	77.0	59.0	60.0
PM <sub>2.5</sub> µg/m <sup>3</sup>	42.0	21.0	35.0
SO <sub>2</sub> µg/m <sup>3</sup>	7.7	6.1	6.5
NO <sub>x</sub> µg/m <sup>3</sup>	27.6	24.5	23.1
CO µg/m <sup>3</sup>	503.0	538.0	561.0

Latest AAQM reports are attached for your ready reference as **Annexure No.-III.**

Also after taking into consideration the interest and financial share cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) are installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB. CAAQMS is enclosed as **Annexure No. - IV.**

Also, 01 Nos. online ambient air quality monitoring stations using High quality laser sensors, calibrated individually for Indian conditions against BAM (Beta attenuation monitor) have been installed at plant main gate for online monitoring of PM<sub>10</sub> & PM<sub>2.5</sub>.

IV.

Finished cement should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.

Being Complied

05 Nos. cement silo of adequate capacity is there for current operational 2 x 100 + 1 x 200 + 2 x 600 TPD ball mill-based cement grinding unit. The pneumatically controlled system is installed and bag filter of adequate capacity with stack of adequate height is there with 04 no's packing section.

To control fugitive emission at packaging section adequate suction system is in place.

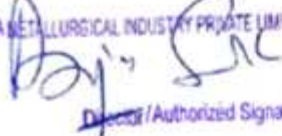
V.

All vibrating screens, storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points should be provided. Suction head should be provided at all transfer points.

Being/ Will be complied

For current operational plant all vibrating screens, storage bins are adequately covered. Covered storage yards are provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points is provided. Suction head is provided at all transfer points.


Same practice will be adopted for proposed new cement grinding units (1 x 2000 TPD 1 x 600 TPD Ball Mill).

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  
  
 Director/Authorized Signatory



<p>VI.</p>	<p>Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made in the raw material stock yards and other high dust potential areas.</p>	<p>Being Complied</p> <p>For current operation plant adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process.</p> <p>Fugitive Emission Monitoring at four location viz. Ball Mill Area 1, 2 &amp; 3, Packing Section, Truck Parking Area and Raw Material Handling Area by third party monitoring agency M/s Qualissure Laboratory Services, which is NABL accredited laboratory. As per monitoring reports submitted, fugitive emissions were monitored in month of March 2024 and emission levels are as follows:</p> <table border="1" data-bbox="667 757 1469 920"> <thead> <tr> <th>Parameter</th> <th>Ball Mill Area 1, 2 &amp; 3</th> <th>Packing Section</th> <th>Truck Parking Area</th> <th>Raw Material Handling Area</th> </tr> </thead> <tbody> <tr> <td>TSPM (<math>\mu\text{g}/\text{m}^3</math>)</td> <td>580.0</td> <td>894.0</td> <td>663.0</td> <td>428.0</td> </tr> </tbody> </table> <p>Fugitive emission monitoring reports are attached for your ready reference as <b>Annexure No.-V</b>.</p>	Parameter	Ball Mill Area 1, 2 & 3	Packing Section	Truck Parking Area	Raw Material Handling Area	TSPM ( $\mu\text{g}/\text{m}^3$ )	580.0	894.0	663.0	428.0
Parameter	Ball Mill Area 1, 2 & 3	Packing Section	Truck Parking Area	Raw Material Handling Area								
TSPM ( $\mu\text{g}/\text{m}^3$ )	580.0	894.0	663.0	428.0								
<p>VII.</p>	<p>Water required for proposed expansion shall be met from ground water supply as proposed. Groundwater shall be abstracted as per permission of the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.</p>	<p>Complied</p> <p>Water requirement for complete project is 23 KLD. Bansal Cement Private Limited has already obtained 80 KLD Ground water withdrawal permission from State Water Investigation Department (SWID), West Bengal.</p> <p>Ground water monitoring report is enclosed as <b>Annexure-VI</b>.</p>										
<p>VIII.</p>	<p>Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.</p>	<p>Being Complied</p> <p>The management of OMIPL. is having dry grinding process and the current operational plant has been designed as 'Zero' discharge concept and it is being ensured by top management on regular basis.</p> <p>Same practice will be adopted for the proposed new units (1 x 2000 TPD VRM &amp; 1 x 600 TPD Ball Mill).</p>										
<p>IX.</p>	<p>Clinker manufacturing / heating is not permitted under this environmental clearance. Clinker and fly ash shall be stored in the closed silos and gypsum in covered shed.</p>	<p>Being Complied</p> <p>Clinker and gypsum are stored under covered shed and fly ash is stored in Silo.</p> <div data-bbox="673 1816 1474 2096" data-label="Image"> </div> <p style="text-align: center;"><b>COVERED STORAGE YARD</b></p>										



For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  
  
 Director / Authorized Signatory


<p>X.</p>	<p>All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / re-processors only. Hazardous waste generated to be disposed of as per provisions of hazardous and Other wastes (Management and Trans boundary Movement) rules, 2016.</p>	<p style="text-align: center;">Being Complied</p> <p>100 % APC Dust is recycled in the operational plant. Waste oils and cotton/ jute containing oil generated from operational plants are sent to WBPCB Authorized vendor as per HZWM Rule 2016. Valid Hazardous waste Authorization vide Memo No. 125/2S(HW)-3370/2017 dated 16.06.2022 is obtained from WBPCB for generated waste disposal.</p> <p>Damaged bag filters are sent to WBPCB Authorized CHWTSDF. Intimation letter w.r.t name change without change of ownership from M/s Bansal Cement Pvt Ltd to M/s Orissa Metallurgical Industry Pvt Ltd- regarding Hazardous waste Authorization was communicated to WBPCB vide Ref. No. OMIPL/HZW/INTIMATION/22-23/01 dated 11.05.2023.</p>
<p>XI.</p>	<p>Adequate provisions should be made for harvesting rainwater. The harvested rain water should be used for plantation, fire fighting, washing and cleaning etc. Recharging ground water is not permitted.</p>	<p style="text-align: center;">Noted and Being Complied With</p> <p>The management of OMIPL has developed rainwater harvesting structure in the area of 600 square meters. The harvested water is used inside the plant for Green belt development and dust suppression.</p> 
<p>XII.</p>	<p>Green belt shall be developed within the plant premises. At least 33% of the area should be kept for green belt development. At least 800 no. of trees to be planted. Indicative list of species is given at Annexure-1 There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.</p>	<p style="text-align: center;">Being Complied</p> <p>Around 3.1 Acres land (35%) is earmarked for Green Belt development and is being developed.</p> <p>Already 35.0 % of the earmarked area has been developed as green belt. In the financial year 2023-2024, total 470 nos. plants have been planted in and around the periphery of plant boundary for gap filling.</p> <p>The details of developed greenbelt with photograph are attached as <b>Annexure-VII</b>.</p>
<p>XIII.</p>	<p>The overall noise levels in and around the plant area shall be kept well within the standards by providing noise</p>	<p style="text-align: center;">Agreed and Being Complied</p> <p>Noise level has been monitored at two locations viz. Ball Mill Area 1 &amp; 2, Ball Mill Area 3, Near Plant Main Gate and Mathurakismat Village by third party monitoring agency</p>

For ORISSA



*[Handwritten Signature]*  
 Director / Authorized Signatory



	<p>control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night-time).</p>	<p>Qualissure Laboratory Services, which is NABL accredited laboratory. As per monitoring reports submitted, noise levels were monitored in month of March 2024.</p> <table border="1" data-bbox="678 324 1460 459"> <thead> <tr> <th rowspan="2">Parameter</th> <th colspan="2">Plant Main Gate</th> <th colspan="2">Mathurakismat Village</th> <th>Ball Mill Area 1 &amp; 2</th> <th>Ball Mill 3</th> </tr> <tr> <th>Day</th> <th>Night</th> <th>Day</th> <th>Night</th> <th>Avg.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>Leq (dBA)</td> <td>62.2</td> <td>49.5</td> <td>54.0</td> <td>43.9</td> <td>56.0</td> <td>55.2</td> </tr> </tbody> </table> <p>Noise Quality Monitoring reports are attached as <b>Annexure No. -VIII.</b></p>	Parameter	Plant Main Gate		Mathurakismat Village		Ball Mill Area 1 & 2	Ball Mill 3	Day	Night	Day	Night	Avg.	Avg.	Leq (dBA)	62.2	49.5	54.0	43.9	56.0	55.2
Parameter	Plant Main Gate			Mathurakismat Village		Ball Mill Area 1 & 2	Ball Mill 3															
	Day	Night	Day	Night	Avg.	Avg.																
Leq (dBA)	62.2	49.5	54.0	43.9	56.0	55.2																
<p>XIV.</p>	<p>Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM<sub>10</sub> and PM<sub>2.5</sub> such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p>	<p style="text-align: center;">Noted</p> <p>This project is an expansion project at existing plant premises. Maximum internal roads are concreted and remaining road will be done asphalting/concreting in continuation with the implementation of the project.</p> <p>Preventive measures are taken to reduce fugitive emissions from all the vulnerable sources like:</p> <ul style="list-style-type: none"> <li>• Water sprinklers/ water gun at dedicated emission sources like haul road, loading and unloading points, transfer points and other vulnerable areas.</li> <li>• Pneumatic conveying system with Belt Conveyors by C G I (corrugated galvanized iron) sheet in all sides to prevent the Fugitive emission</li> <li>• Raw Materials are stored in covered area.</li> <li>• One number of dedicated water spraying tankers is in use.</li> <li>• Engaged dedicated Housekeeping team with proper training and control.</li> <li>• Development of Green Belt in and around plant area.</li> </ul> <p>Ambient Air Quality Monitoring is done by NABL/MOEF accredited laboratory at regular intervals to monitor and check the AAQM with prescribed limit.</p> <p>Recent housekeeping photograph are:</p> <div style="display: flex; justify-content: space-around;">   </div>																				

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  
  
 Director / Authorized Signatory



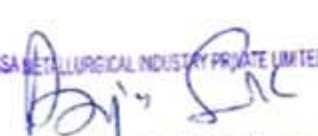
		<div style="display: flex; justify-content: space-around;">   </div>									
<p>XV.</p>	<p>Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises.</p>	<p style="text-align: center;">Being Complied</p> <p>This project is an expansion project at existing plant premises. The current status of the existing premises is:</p> <ul style="list-style-type: none"> <li>• Adequate lighting facilities are provided in factory premises.</li> <li>• 01 no mechanical street swiping machine is used continuously to maintain the proper housekeeping practice.</li> <li>• Vehicle having valid PUC certificates area allowed to enter in the plant premises.</li> </ul> <p>Provision of separate pathway for entry and exit of vehicles is there.</p>									
<p>XVI.</p>	<p>Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<p style="text-align: center;">Being Complied</p> <p>Adequate personnel protective equipment and sanitation facilities are provided to workers and occupational health surveillance of the workers is being done on a regular basis and records maintained as per the Factories Act.</p>									
<p>XVII.</p>	<p>Adequate measures to be adopted to ensure industrial safety. Proper fire detection &amp; protection systems to be provided to control fire and explosion hazards.</p>	<p style="text-align: center;">Being Complied</p> <p>Hydrants, medium velocity spray system, portable fire extinguishers of various capacities containing agents such as CO<sub>2</sub>, DCP etc. are located at strategic points of the plant to control fire and explosion hazards.</p>									
<p>XVIII.</p>	<p>All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.</p>	<p>CREP being complied in time bound manner.</p> <table border="1" data-bbox="670 1691 1460 2105"> <thead> <tr> <th>Sl. No</th> <th>Conditions</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td> <p>Cement Plants, which are not complying with notified standards, shall do the following to meet the standards:</p> <ul style="list-style-type: none"> <li>• Augmentation of existing Air Pollution Control Devices- by July 2003</li> <li>• Replacement of existing Air pollution Control Devices- by July 2004</li> </ul> </td> <td>Operational ( 2 x 100 + 1 x 200 + 2 x 600 TPD) Cement Grinding Unit is already meeting the emission standard of 30 mg/Nm<sup>3</sup>.</td> </tr> <tr> <td>2</td> <td>Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban</td> <td>Emission level is maintained as per CPCB/ MoEF&amp;CC guideline for</td> </tr> </tbody> </table>	Sl. No	Conditions	Status	1	<p>Cement Plants, which are not complying with notified standards, shall do the following to meet the standards:</p> <ul style="list-style-type: none"> <li>• Augmentation of existing Air Pollution Control Devices- by July 2003</li> <li>• Replacement of existing Air pollution Control Devices- by July 2004</li> </ul>	Operational ( 2 x 100 + 1 x 200 + 2 x 600 TPD) Cement Grinding Unit is already meeting the emission standard of 30 mg/Nm <sup>3</sup> .	2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban	Emission level is maintained as per CPCB/ MoEF&CC guideline for
Sl. No	Conditions	Status									
1	<p>Cement Plants, which are not complying with notified standards, shall do the following to meet the standards:</p> <ul style="list-style-type: none"> <li>• Augmentation of existing Air Pollution Control Devices- by July 2003</li> <li>• Replacement of existing Air pollution Control Devices- by July 2004</li> </ul>	Operational ( 2 x 100 + 1 x 200 + 2 x 600 TPD) Cement Grinding Unit is already meeting the emission standard of 30 mg/Nm <sup>3</sup> .									
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban	Emission level is maintained as per CPCB/ MoEF&CC guideline for									

		boundary ) will meet 100 mg/Nm <sup>3</sup> limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm <sup>3</sup> .	Cement Plant (30 mg/Nm <sup>3</sup> ).
	3	The new cement kilns to be accorded NOC/ Environment Clearance w. e. f 01.04.2003 will meet the limit of 50 mg/Nm <sup>3</sup> for particulate matter emissions.	Required permission has been obtained and a copy of permission letter has already been submitted to the concerned department.
	4	CPCB will evolve load based standards by December 2003.	Emission standard of 30 mg/Nm <sup>3</sup> is maintained.
	5	CPCB and NCBM will evolve SO <sub>2</sub> and NO <sub>x</sub> emission standards by June 2004.	Plant is not involved in any co-processing, it's a standalone Grinding unit, and as per CPCB guideline in our case only PM emission standard is applicable.
	6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	<ul style="list-style-type: none"> <li>• All the material transfer points for operational units are equipped with Bag filters.</li> <li>• Raw Materials are stored in covered area. Demarcated the Slag storage area and slag heaps are covered with tarpaulin.</li> <li>• Maximum area inside plant has been concreted to prevent fugitive emission.</li> <li>• One number of dedicated water spraying tankers is in use.</li> <li>• All belt conveying systems are covered up by the MS plate.</li> <li>• Dedicated street swiping machine also in use in plant.</li> <li>• Engaged dedicated Housekeeping team with proper training and control.</li> <li>• Development of Green Belt.</li> </ul>
	7	CPCB, NCBM, BIS, Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln by July 2003.	Not Applicable
	8	After performance evaluation of various types of continuous monitoring equipments and feedback from industries and equipment manufacturers, NTF will decide feasible unit operations/ sections for installation of continuous monitoring systems (CMS) by December 2003.	Online Continuous Emission Monitoring System (OCEMS) has been installed at Ball Mill Stacks and data is being transferred to CPCB Central Server.
	9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Not Applicable

  
 For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  
 Director/Authorized Signatory


		10	Industries will submit the target date to enhance the utilization of waste material by April, 2003.	All the particulate matter/ Dust collected through Air Pollution Control Device are 100% recycled in the process. Moreover, we are using Fly ash and slag for making Pozzolana Portland Cement (PPC) and Composite Cement which are the wastes of Thermal Power Plants & MBF plant.
		11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Not Applicable
		12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003. • Non complying units shall give bank guarantee to respective SPCEs.	Not Applicable

XIX.	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	Being Complied																								
		<p>Adequate funds have been deployed in CAPEX and OPEX and an itemised action plan has been drawn for implementing the stipulated conditions. Rs. 191.0 lakhs and Rs.19.1 lakhs towards capital cost and annual recurring cost deployed for implementing the environmental protection measures. The detail about the recurring cost on Environment Safeguard for current operational plant is:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Year</th> <th style="text-align: center;">Particulars</th> <th style="text-align: center;">Narration</th> <th style="text-align: center;">Amount</th> </tr> </thead> <tbody> <tr> <td rowspan="5" style="text-align: center; vertical-align: middle;">2023-2024 (From Oct 2023 to March 2024)</td> <td style="text-align: center;">Green Belt Development</td> <td>Maintenance, labour cost, etc.</td> <td style="text-align: right;">52,500</td> </tr> <tr> <td style="text-align: center;">House Keeping</td> <td>Labour charges, Drainage Cleaning and other materials</td> <td style="text-align: right;">84,000.0</td> </tr> <tr> <td style="text-align: center;">Analysis &amp; Monitoring of Environmental Parameters</td> <td>Stack, Fugitive, Ambient, Water etc. Monitoring &amp; Analysis, In-house Analysis</td> <td style="text-align: right;">69,100.0</td> </tr> <tr> <td style="text-align: center;">O.H. Management &amp; Safety Plan</td> <td>Occupational Health Management, Risk Mitigation &amp; Safety Plan</td> <td style="text-align: right;">36,700.0</td> </tr> <tr> <td style="text-align: center;">O &amp; M on A.P.C Devices</td> <td>Operation &amp; Maintenance cost, Electricity consumption etc. on A.P.C Device installed.</td> <td style="text-align: right;">13,10,000.0</td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>TOTAL</b></td> <td style="text-align: right;"><b>15,52,300.0</b></td> </tr> </tbody> </table>			Year	Particulars	Narration	Amount	2023-2024 (From Oct 2023 to March 2024)	Green Belt Development	Maintenance, labour cost, etc.	52,500	House Keeping	Labour charges, Drainage Cleaning and other materials	84,000.0	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	69,100.0	O.H. Management & Safety Plan	Occupational Health Management, Risk Mitigation & Safety Plan	36,700.0	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	13,10,000.0	<b>TOTAL</b>	
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<b>TOTAL</b>			<b>15,52,300.0</b>																							

XX.	At least 2.5 % of the total cost of the project shall be earmarked towards the ESC based on local needs and action plan with financial and physical break-up shall be prepared and submitted. Implementation of such program shall be ensured accordingly in a time bound manner.	Noted	
		<p>2.5 % of the Project Cost (112.5 Lakhs) has been earmarked for CSR towards the Enterprise Social Commitment. In the financial year 2023-24 total, Rs. 2,50,000 being spent under CSR head.</p> <div style="text-align: right; margin-top: 20px;">         For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED        Director/Authorized Signatory     </div>	

B.	GENERAL CONDITIONS:	
i.	The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.	Noted. As per Ministry O.M. issued vide File No.-1A3-22/28/2022-1A.111[E 181584] dated 13 <sup>th</sup> December 2022, the validity of environment clearance is increased to 10 years and further extendable for another 01 year.
ii.	Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	Being Complied. The Consent to Establish (NOC) permissions for expansion project were awarded by WBPCB vide NOC No.-159353, dated 07.01.2019; transfer of CTE vide NOC No- 180731 dated 17.05.2023 and configuration change vide memo no-290-2N-49/2017 (E) dated 02.06.2023. Consent to Operate (CTO) permission issued vide CO-113613 dated 28.10.2021 for Ball Mills 2 X 100 and 1 X 200 TPD; transfer of CTO vide memo no-118-242-WBP(HRO)-K/2001 dated 13.06.2023 and CTO for 2 X600 TPD Ball Mill vide CO-144021 dated 18.08.2023.
iii.	The project proponent shall comply with all the environmental protection measures and safeguards recommended in the EIA/EMP. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply, sanitation program for local school and health care etc.	Being Complied All the commitments and recommendations made in the EIA/EMP report, undertaking socio-economic development activities in the surrounding villages under CSR head are carried in time bound manner. In the financial year 2023-24, Rs.2, 50,000 are being spent under CSR head.
iv.	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	Noted.
v.	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	Noted and Being Complied Provision will be made for the supply of kerosene or cooking gas to the labourers. All the labourers to be engaged for construction works will be screened for health and adequately treated before issue of work permits. Environmental sanitation will be ensured for the workers.

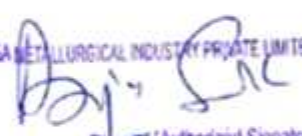
For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  
  
 Director/Authorized Signatory

vi.	<p>The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.</p>	<p>Noted. Adequate fund provision (Rs 1.91 Crores capital cost &amp; Rs 0.19 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose. The detail about the recurring cost on Environment Safeguard for current operational plant is already discussed in <b>point XIX</b>.</p>
vii.	<p>No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.</p>	<p>Agreed In compliance to this point, Transfer of Environmental Clearance is obtained from SEIAA West Bengal vide memo no-820/EN-II-1/045/2017 dated 27<sup>th</sup> April 2023 and intimation for change in configuration of plant during project execution on Paribesh portal under clause 7 (II) C notification of MoEF&amp;CC vice S.O. 980(E) dated 02.03.2021 Copy of Transfer EC and intimation for change in configuration is already submitted to concerned department vide Six Monthly EC compliance-Dec-2023 for period April 2023 to September 2023 vide mail &amp; letter - OMIPL(Cement)/ENV_COMP/DECEMBER_2023 dated 27.11.2023.</p>
viii.	<p>The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal and to Regional office of Ministry of Environment, Forests &amp; Climate Change,</p>	<p>Noted and Agreed The last monitoring reports are submitted with compliance report for the period April 2023 to September 2023 submitted vide letter no.- OMIPL(Cement)/ENV_COMP / DECEMBER-2023 dated 27.11.2023 In compliance to this point this report is being submitted.</p> <p style="text-align: right;">   For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  Authorized Signatory </p>

	Bhubaneswar.	
ix.	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.	Noted.
x.	The project proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the state pollution Control Board /Committee and may also be seen at website of the SEIAA, West Bengal ( <a href="http://environmentwb.gov.in">http://environmentwb.gov.in</a> ). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	Already Complied In compliance to the said condition, details are already shared in the last compliance report for the period April 2023 to September 2023 submitted vide letter no.-OMIPL(Cement)/ENV_COMP / DECEMBER-2023 dated 27.11.2023.
xi.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels namely; PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate	Being Complied. <ul style="list-style-type: none"> <li>Compliance reports with monitoring results are uploaded on the company website <a href="https://orissametaliks.com/qehs.php">https://orissametaliks.com/qehs.php</a></li> <li>Emission levels of pollutants of different units is displayed on board as per CPCB format issued vide File no-B-29016 NGT/C-10/2020/ WM II/Div./ Dated 20th January 2020 outside the main gate of the plant for disclosure to the public and also uploaded on the website of the company.</li> <li>Electronic display board is installed at plant main gate and online stack emission data and AAQMS data is also being displayed.</li> </ul>

For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED

  
Director/Authorized Signatory

	of the company in the public domain.	
xii.	The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.	Noted. Private Company , no finance is needed from outside
xiii.	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.	Noted.  For ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED  Director / Authorized Signatory

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**Analysis Report of Gaseous Emission**

Sample ID : 070220240403

1. Name of Industry	: M/s. Orissa Metallurgical Industry Pvt Ltd. (Formerly Bansal Cement Pvt. Ltd.)
2. Address	: Shyamraipur, Kharagpur, Dist – Paschim Medinipur)
3. Category & Type	: Red, Cement plant
4. Sampling Date	: 06/02/2024
5. Sampled collected by	: Shri N. C. Barai, AEE & Shri P. Mukherjee, JEE
6. Thimble Number	: 750
7. Name of WBPCB Recognized Laboratory	: M/s. S. M. Scientific Service
8. Duration of Sampling	: 38 min
9. Height of Stack from ground (m)	: 33.0
10. Cross section of stack at sampling point (m <sup>2</sup> )	: 0.1064
11. Stack connected to	: Raw Materials & Feeding Tunnel No.1
12. Emission source (Furnace / Boiler)	: Feeding & Materials
13. Average operational hours of boiler/furnace (per month)	: 240 hrs. / month
14. APC System (if any)	: Bag Filter
15. Working load of source (MT/hr.)	: -
16. Fuel used	: -
17. Rated Fuel consumption (Kg or L/hr.)	: -
18. Working Fuel consumption (Kg or L/hr.)	: -
19. Nature of Furnace / Boiler	: -
20. Flue Gas Temp (°C)	: 36.0
21. Flue gas velocity (m/sec)	: 13.65
22. Volume of Flue gas drawn in lit (m <sup>3</sup> )	: 1.011
23. Corrected flue gas volume (Nm <sup>3</sup> )	: 0.9240
24. Percentage CO <sub>2</sub> and or O <sub>2</sub>	: -
25. To be compensated at (% , if required)	: -
26. Initial weight of Thimble (g)	: 1.4638
27. Final weight of Thimble (g)	: 1.4720
28. Weight of Particulate Matter (mg)	: 8.20
29. Particulate Matter (mg/Nm <sup>3</sup> )	: 8.87
30. Barometric Pressure Head in mm of Hg	: 756 mm of Hg
31. Diameter of the nozzle (mm)	: 6.35 mm
32. Others	: -

Date of Reporting : 21/02/2024

*Subhayan*  
 Env. Analyst

*21/02/2024*  
 Scientist

Copy to : 1. OSD (O&E)  
 3. Chief Scientist

2. Chief Engineer (Planning)  
 4. Haldia Regional Office (2 copies)



# WEST BENGAL POLLUTION CONTROL BOARD

Haldia Regional Laboratory  
Raghunathchak, P.O.-Barghasipur, P.S.-Bhabanipur  
Haldia, Purba Medinipur - 721 657  
Tel: (03224) 291292

## Analysis Report of Gaseous Emission

Sample ID : 261220230365

1. Name of Industry	: M/s Orissa Metallurgical Industries Pvt. Ltd. (Formerly Bansal Cement Pvt. Ltd.)
2. Address	: Shyamraipur, Kharagpur, Dist- Paschim Medinipur
3. Category & Type	: Red & Cement Grinding Unit
4. Sampling Date	: 22/12/2023
5. Sampled collected by	: P. Mukherjee (JEE), HRO
6. Thimble Number	: 712
7. Name of WBPCB Recognized Laboratory	: M/s. Green Vision
8. Duration of Sampling	: 32 min
9. Height of Stack from ground (m)	: 35.0
10. Cross section of stack at sampling point (m <sup>2</sup> )	: 0.2829
11. Stack connected to	: Ball Mill No.-2 (100 TPD)
12. Emission source (Furnace / Boiler)	: Process Activity
13. Average operational hours of boiler/furnace (per month)	: 720 hrs.
14. APC System (if any)	: Bag Filter
15. Working load of source (MT/hr.)	: 100 TPD
16. Fuel used	: -
17. Rated Fuel consumption (Kg or L /hr.)	: -
18. Working Fuel consumption (Kg or L /hr.)	: -
19. Nature of Furnace / Boiler	: -
20. Flue Gas Temp (°C)	: 38.0
21. Flue gas velocity (m/sec)	: 7.66
22. Volume of Flue gas drawn in lit (m <sup>3</sup> )	: 1.024
23. Corrected flue gas volume (Nm <sup>3</sup> )	: 0.9877
24. Percentage CO <sub>2</sub> and or O <sub>2</sub>	: -
25. To be compensated at (% , if required)	: -
26. Initial weight of Thimble (g)	: 1.4719
27. Final weight of Thimble (g)	: 1.4879
28. Weight of Particulate Matter (mg)	: 16.00
29. Particulate Matter (mg/Nm <sup>3</sup> )	: 16.20
30. Barometric Pressure Head in mm of Hg	: 758 mm of Hg
31. Diameter of the nozzle (mm)	: 9.525 mm
32. Others	: -

Date of Reporting : 27/12/2023

  
Scientist

  
Senior Scientist

Copy to : 1. OSD (O&E)  
3. Chief Scientist

2. Chief Engineer (Planning)  
4. Environmental Engineer, Haldia Regional Office (2 copies)



Analysis Report of Gaseous Emission

Sample ID : 070220240404

1. Name of Industry	: M/s. Orissa Metallurgical Industry Pvt Ltd. (Formerly Bansal Cement Pvt. Ltd.)
2. Address	: Shyamraipur, Kharagpur, Dist - Paschim Medinipur)
3. Category & Type	: Red, Cement plant
4. Sampling Date	: 06/02/2024
5. Sampled collected by	: Shri N. C. Barai, AEE & Shri P. Mukherjee, JEE
6. Thimble Number	: 751
7. Name of WBPCB Recognized Laboratory	: M/s. S. M. Scientific Service
8. Duration of Sampling	: 51 min
9. Height of Stack from ground (m)	: 35.0
10. Cross section of stack at sampling point (m <sup>2</sup> )	: 0.2207
11. Stack connected to	: Ball Mill No.2
12. Emission source (Furnace / Boiler)	: Process Activity
13. Average operational hours of boiler/furnace (per month)	: 720 hrs. / month
14. APC System (if any)	: Bag Filter
15. Working load of source (MT/hr.)	: 100 TPD
16. Fuel used	: -
17. Rated Fuel consumption (Kg or L/hr.)	: -
18. Working Fuel consumption (Kg or L/hr.)	: -
19. Nature of Furnace / Boiler	: -
20. Flue Gas Temp (°C)	: 39.0
21. Flue gas velocity (m/sec)	: 10.08
22. Volume of Flue gas drawn in lit (m <sup>3</sup> )	: 1.004
23. Corrected flue gas volume (Nm <sup>3</sup> )	: 0.9140
24. Percentage CO <sub>2</sub> and or O <sub>2</sub>	: -
25. To be compensated at (% if required)	: -
26. Initial weight of Thimble (g)	: 1.4977
27. Final weight of Thimble (g)	: 1.5216
28. Weight of Particulate Matter (mg)	: 23.90
29. Particulate Matter (mg/Nm <sup>3</sup> )	: 26.15
30. Barometric Pressure Head in mm of Hg	: 756 mm of Hg
31. Diameter of the nozzle (mm)	: 6.35 mm
32. Others	: -

Date of Reporting : 21/02/2024

*Subhayan Chatterjee*  
Env. Analyst

*Subhayan Chatterjee*  
Scientist 21/02/2024

Copy to : 1. OSD (O&E) 2. Chief Engineer (Planning)  
3. Chief Scientist 4. Haldia Regional Office (2 copies)



# Qualissure Laboratory Services



361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata -700107  
Email : qualissure@gmail.com; info@qualissure.com; Mob.No. 98312 87086 ; 9830093976

TC-6271

DOC NO : QLS/SAMP/01-C/00

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> <b>M/s. Orissa Metallurgical Industry Pvt. Ltd.</b> (Formerly M/s Bansal Cement Pvt. Ltd.) Mouza- Amba, Mathurakismat, Radhanagar & Srirampurjia, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur, West Bengal.	Report No.	: QLS/MR/A/23-24/C/1225
	Date	: 27.03.2024
	Sample No.	: QLS/MR/A/23-24/1225
	Sample Description	: Stack Flue Gas
	Date of Performance	: 23-27.03.2024
	Sample Mark	: Ball Mill-1
	Ref No. Date	: M124390233, Dated-19.03.2024

## Analysis Result

Date & Time of Sampling : 22.03.2024 at 14.40 P.M. Sampling done by : C.Sahoo	Sampling Procedures : EPA/IS	
<b>A : General Information of Stack:</b>		
1 Stack connected to	: Ball Mill-1	
2 Emission due to	: Process Activity	
3 Material of construction of Stack	: MS	
4 Shape of Stack	: Circular	
5 Whether Stack is provided with permanent platform	: Yes	
6 Generation Capacity	: 100 TPD	
<b>B : Physical Characteristic of Stack:</b>		
1 Height of Stack from ground level	: 35.0 m	
2 Diameter of Stack at bottom	: ---	
3 Diameter of Stack at sampling point	: 0.58 m	
4 Height of the sampling point from ground level	: 25.0 m	
5 Area of Stack	: 0.2643 m <sup>2</sup>	
<b>C : Analysis/Characteristic of Stack:</b>		
1 Fuel used : ---	2. Fuel consumption : ---	
<b>D : Results of Sampling &amp; Analysis of gaseous Emission:</b>		
	<b>RESULT</b>	<b>METHOD</b>
1 Temperature of emission (°C)	: 39	EPA Part 2
2 Barometric pressure (mm of Hg)	: 754	EPA Part 2
3 Velocity of gas (m/sec)	: 4.40	EPA Part 2
4 Quantity of gas flow (Nm <sup>3</sup> /hr)	: 3995	EPA Part 2
5 Concentration of Carbon monoxide(%v/v)	: <0.2	IS:13270-1992, Reaf : 2019
6 Concentration of Carbon dioxide(%v/v)	: <0.2	IS:13270-1992, Reaf : 2019
7 Concentration of Oxygen (%v/v)	: 19.6	IS:13270-1992, Reaf : 2019
8 Concentration of Sulphur Dioxide (mg/Nm <sup>3</sup> )	: ---	EPA Part 6
9 Concentration of Nitrogen Dioxide (mg/Nm <sup>3</sup> )	: ---	EPA Part 7
10 Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	: 13	EPA Part 5
<b>E : Pollution Control Device :</b>		
Details of pollution control devices attached with the Stack	: ESP	
<b>F : Remarks: Nil</b>		
Note: 1) Equipment Name/ID	: Stack Sampler & Velocity Monitor	
2) Model No	: APM-160	
3) Make-	: Lata Envirotech Services	
4) SI No-	: 82-DTF-2016	
5) Calibration valid Up to	: 06.08.2024	

Report Prepared By:

*Backbor*

for Qualissure Laboratory Services

Reviewed & Authorized By

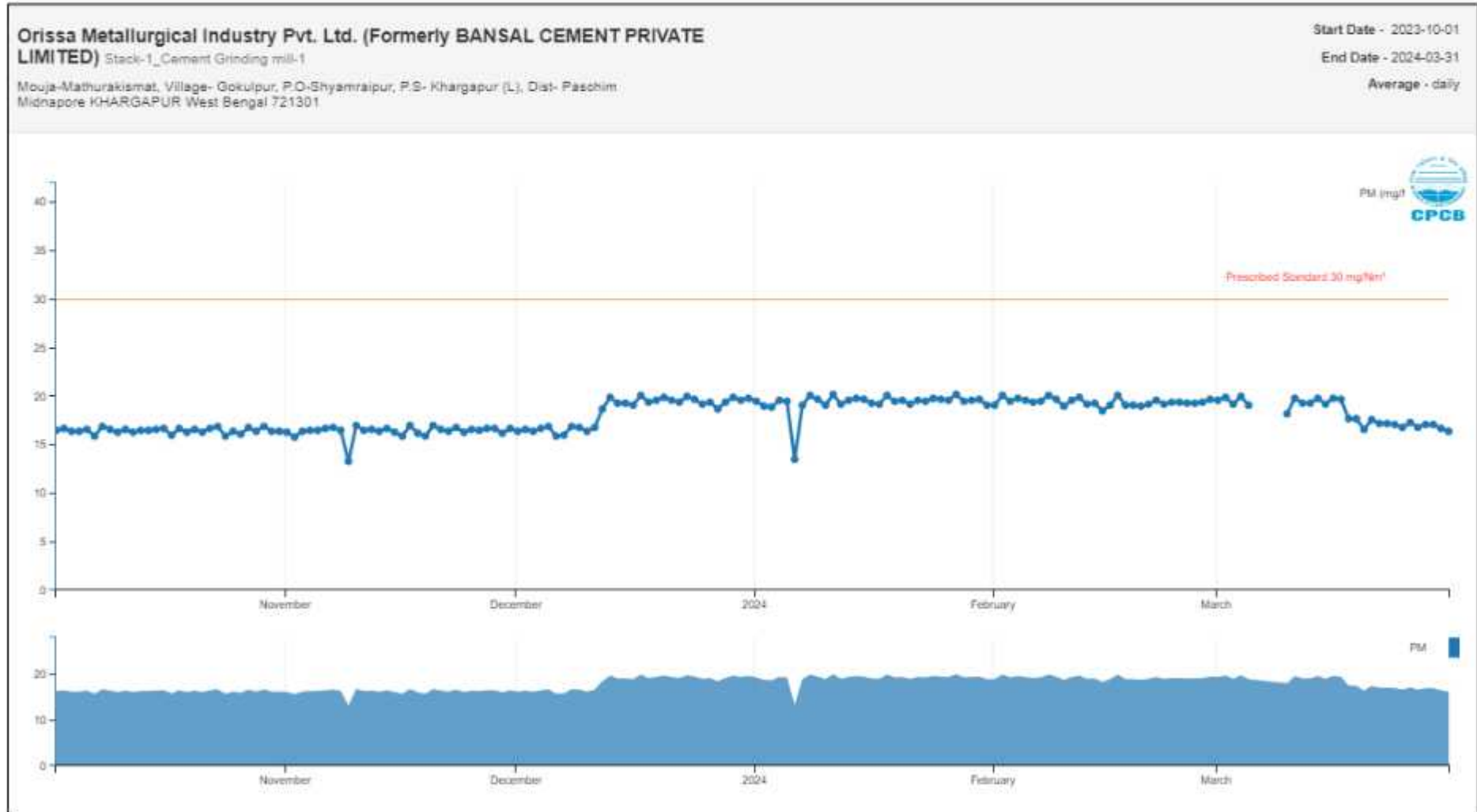


Benimadhab Gorai, Chemist  
(Authorized Signatory)

-----End of the Report-----

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced without the permission of Qualissure Laboratory Services.
- The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.

## ONLINE CONTINUOUS EMISSION MONITORING STATIONS (Period- 1<sup>st</sup> October 2023 to 31<sup>st</sup> March 2024)



**Orissa Metallurgical Industry Pvt. Ltd. (Formerly BANSAL CEMENT PRIVATE LIMITED)** Stack-2\_Cement Grinding Mill-2

Mouja-Mathurakismat, Village- Gokulpur, P.O-Shyamraipur, P.S- Khargapur (L), Dist- Paschim Midnapore KHARGAPUR West Bengal 721301

Start Date - 2023-10-01

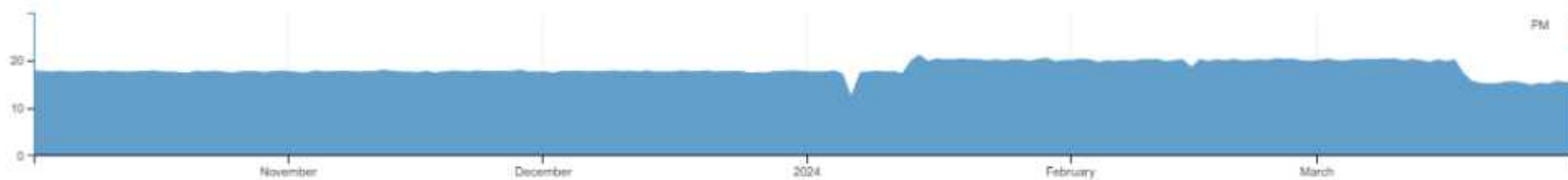
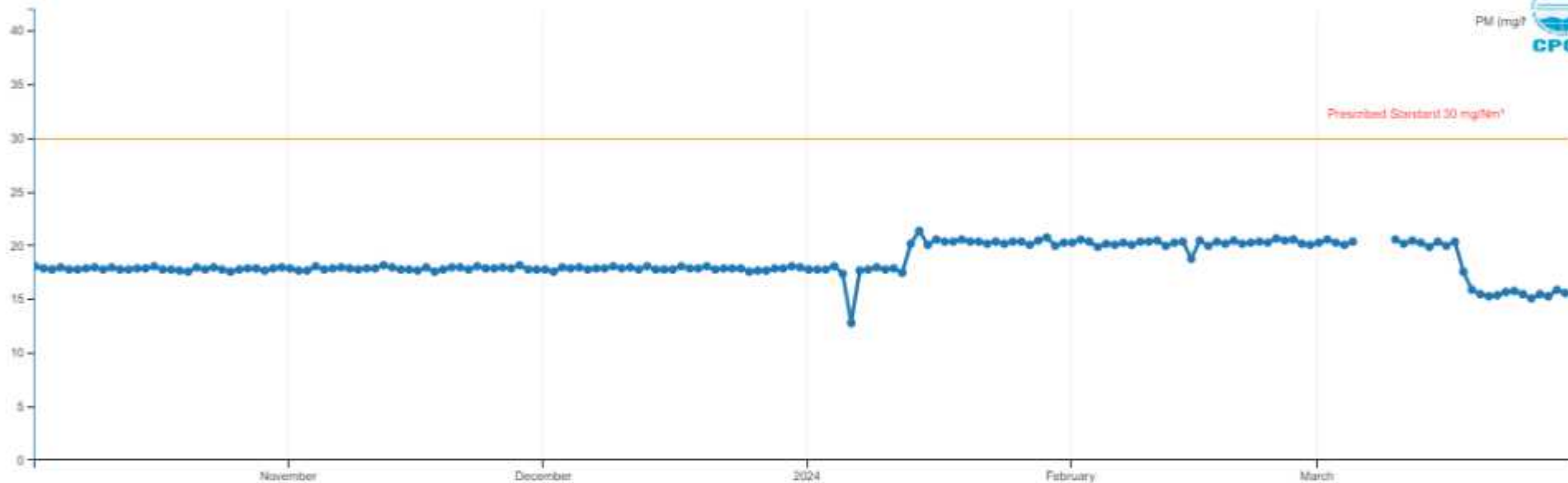
End Date - 2024-03-31

Average - daily



PM (mg)

Prescribed Standard 30 mg/m<sup>3</sup>



PM

**Orissa Metallurgical Industry Pvt. Ltd. (Formerly BANSAL CEMENT PRIVATE LIMITED)** Stack-3\_Cement Ball Mill-3

Mouja-Mathurakismat, Village- Gokulpur, P.O-Shyamraipur, P.S- Khargapur (L), Dist- Paschim Midnapore KHARGAPUR, West Bengal 721301

Start Date - 2023-10-01

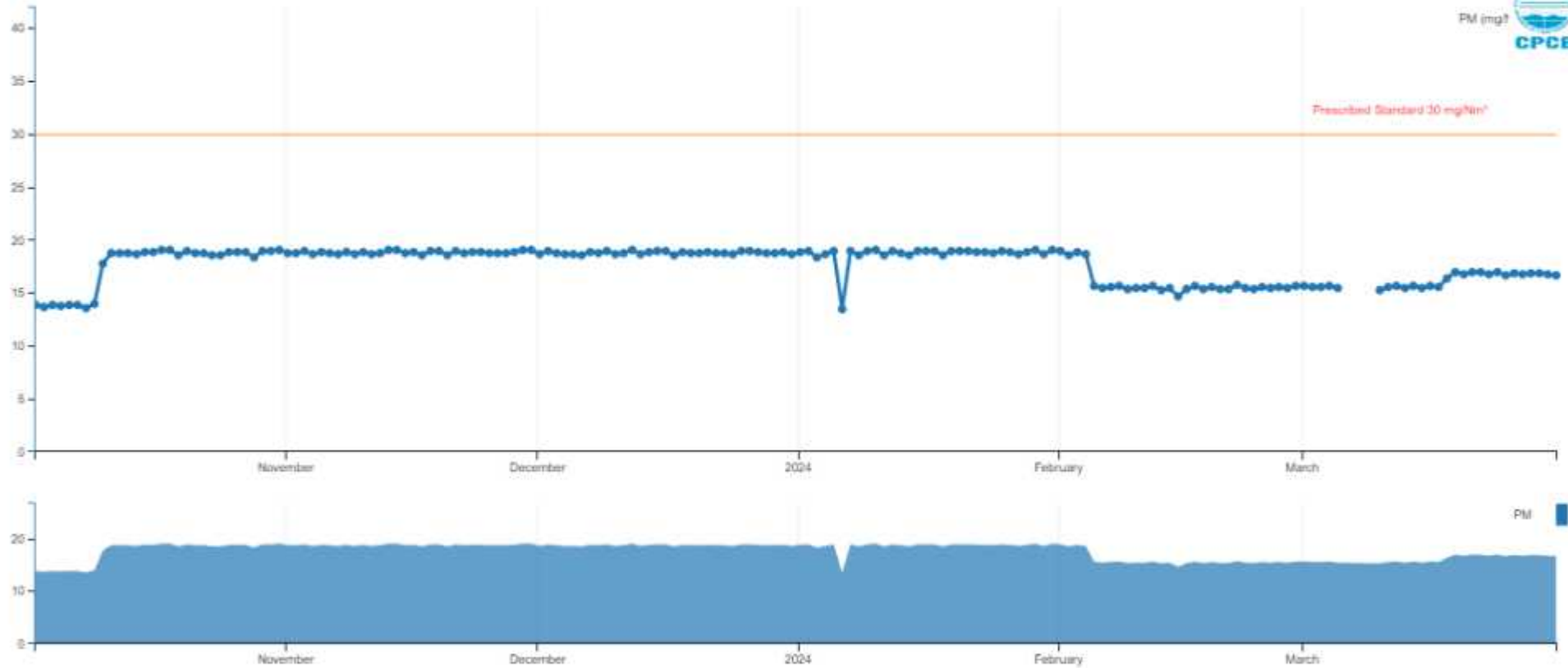
End Date - 2024-03-31

Average - daily



PM (mg/m<sup>3</sup>)

Prescribed Standard 30 mg/m<sup>3</sup>



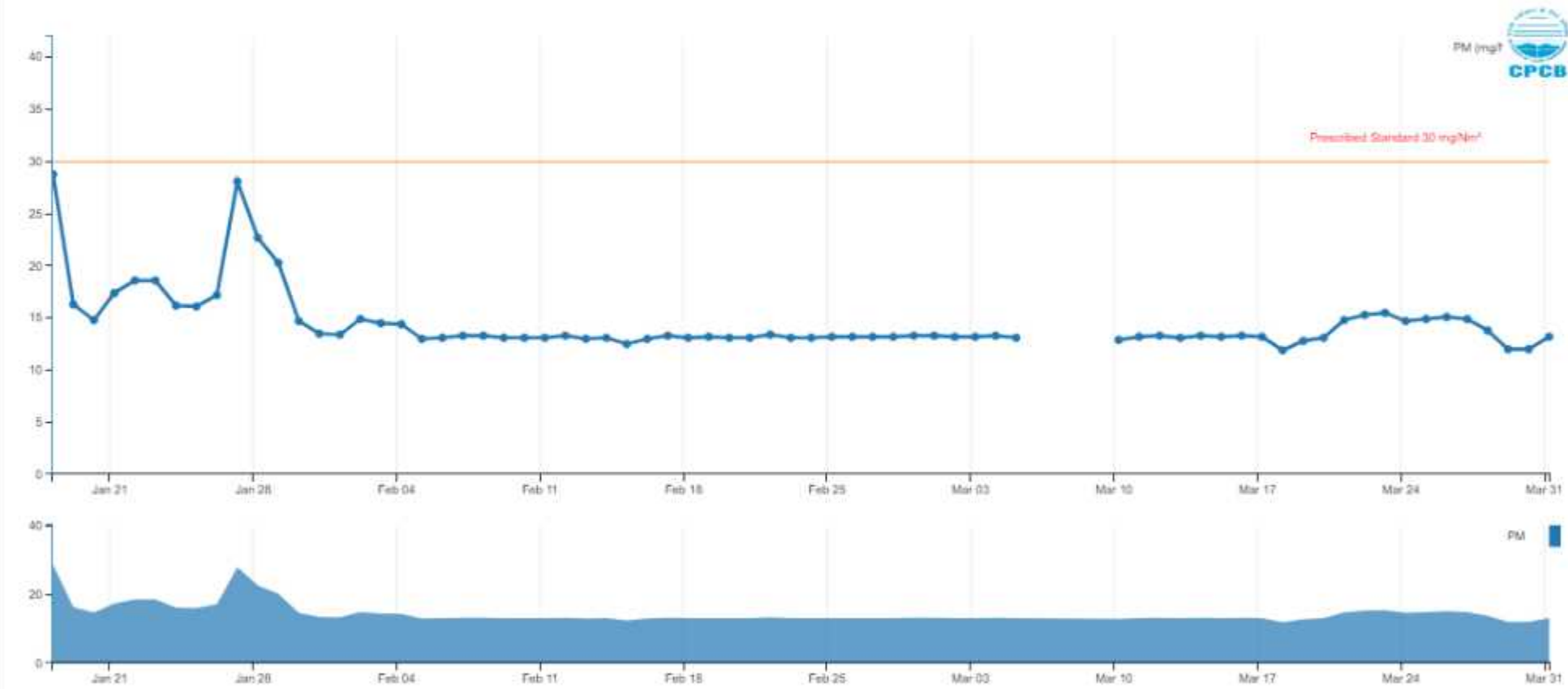
**Orissa Metallurgical Industry Pvt. Ltd. (Formerly BANSAL CEMENT PRIVATE LIMITED)** Stack-4\_Cement Ball Mill-4\_600 TPD

Mouja-Mathurakismat, Village- Gokulpur, P.O-Shyamraipur, P.S- Khargapur (L), Dist- Paschim Midnapore KHARGAPUR West Bengal 721301

Start Date - 2023-10-01

End Date - 2024-03-31

Average - daily





**Orissa Metallurgical Industry Pvt. Ltd. (Formerly BANSAL CEMENT PRIVATE LIMITED)** Stack-5\_Cement Ball Mill-5\_800 TPD

Mouja-Mathurakismat, Village- Gokulpur, P.O-Shyamraipur, P.S- Khargapur (L), Dist- Paschim Midnapore KHARGAPUR West Bengal 721301

Start Date - 2023-10-01

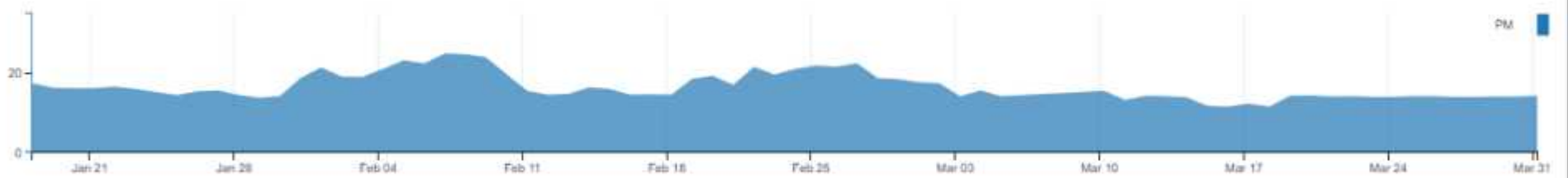
End Date - 2024-03-31

Average - daily



PM (mg/m<sup>3</sup>)

Prescribed Standard 30 mg/m<sup>3</sup>





DOC NO : QLS/SAMP/08-A/00

### TEST REPORT

<b>Name &amp; Address Of the Customer :</b> M/s. Orissa Metallurgical Industry Private Limited (Formally Known as Bansal Cement Private Limited) Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-182/23-24/C/01
	Date	: 18.04.2024
	Sample No.	: QLS/P-182/23-24/01
	Sample Description	: Ambient Air
	Date of performance	: 23.03.2024-26.03.2024
	Ref No. Date	: M124379586, Dated - 26.02.2024

### Analysis Result

Location : Near Plant Main Gate		Date of sampling : 21-22.03.2024		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m <sup>3</sup>	77	100	IS: 5182 (Part-23)- (RA-2017)
2	Particulate matter (<2.5µm) in µg/m <sup>3</sup>	42	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	7.7	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	27.6	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m <sup>3</sup>	503	2000	IS: 5182 (Part- 10)- (RA-2017)
<b>NOTE:</b> Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

R. Sharma

for Qualissure Laboratory Services  
Reviewed & Authorized By

Benimadhab Gorai, Chemist  
(Authorized Signatory)

-----End of the Report-----

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DOC NO : QLS/SAMP/08-A/00

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> <b>M/s. Orissa Metallurgical Industry Private Limited</b> <b>(Formally Known as Bansal Cement Private Limited)</b> Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-182/23-24/C/02
	Date	: 18.04.2024
	Sample No.	: QLS/P-182/23-24/02
	Sample Description	: Ambient Air
	Date of performance	: 23.03.2024-26.03.2024
	Ref No. Date	: M124379586, Dated – 26.02.2024

## Analysis Result

Location : Radhanagar Village		Date of sampling : 21-22.03.2024		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m <sup>3</sup>	59	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m <sup>3</sup>	21	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	6.1	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	24.5	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m <sup>3</sup>	538	2000	IS: 5182 (Part- 10)- (RA-2017)
<b>NOTE:</b> Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

R. Sharma

for Qualissure Laboratory Services  
Reviewed & Authorized By



Benimadhab Goral, Chemist  
(Authorized Signatory)

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## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> M/s. Orissa Metallurgical Industry Private Limited (Formally Known as Bansal Cement Private Limited) Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-182/23-24/C/03
	Date	: 18.04.2024
	Sample No.	: QLS/P-182/23-24/03
	Sample Description	: Ambient Air
	Date of performance	: 23.03.2024-26.03.2024
	Ref No. Date	: M124379586, Dated - 26.02.2024

## Analysis Result

Location : Mathurakismat Village		Date of sampling : 21-22.03.2024		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m <sup>3</sup>	60	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m <sup>3</sup>	35	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	6.5	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	23.1	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m <sup>3</sup>	561	2000	IS: 5182 (Part- 10)- (RA-2017)
<b>NOTE:</b> Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

R. Sharma

for Qualissure Laboratory Services  
Reviewed & Authorized By

Benimadhab Gorai, Chemist  
(Authorized Signatory)

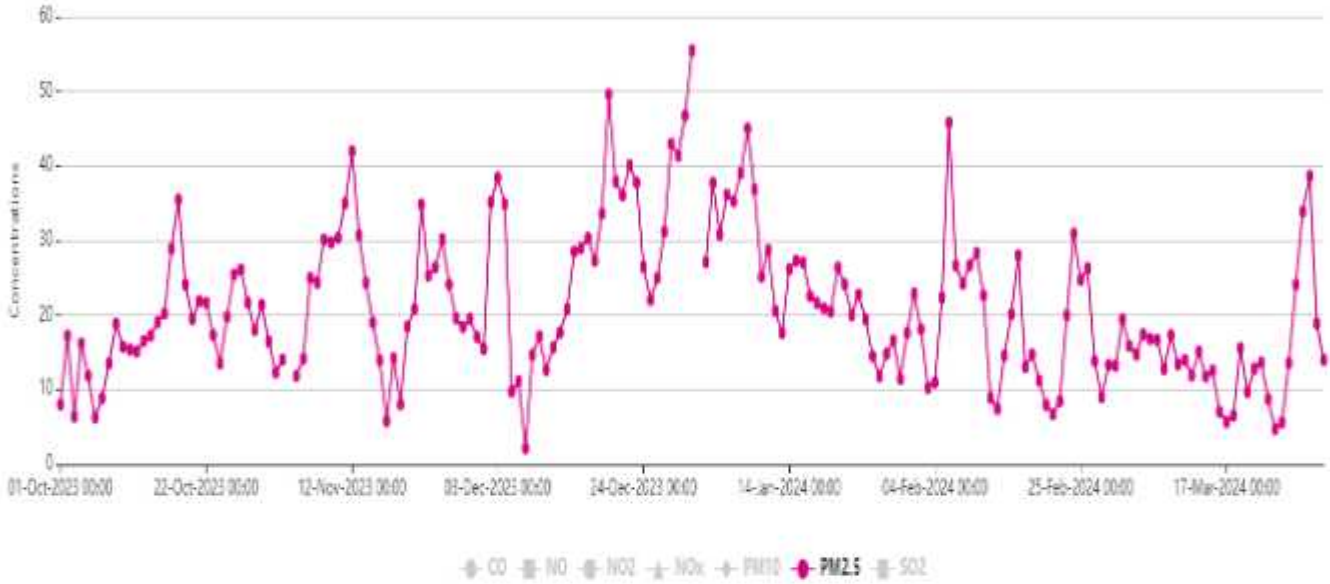
----- End of the Report -----

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**CAAQMS DATA (OCOPER 2023 to MARCH 2024)**

**LOCATION : KALYANPUR VILLAGE**

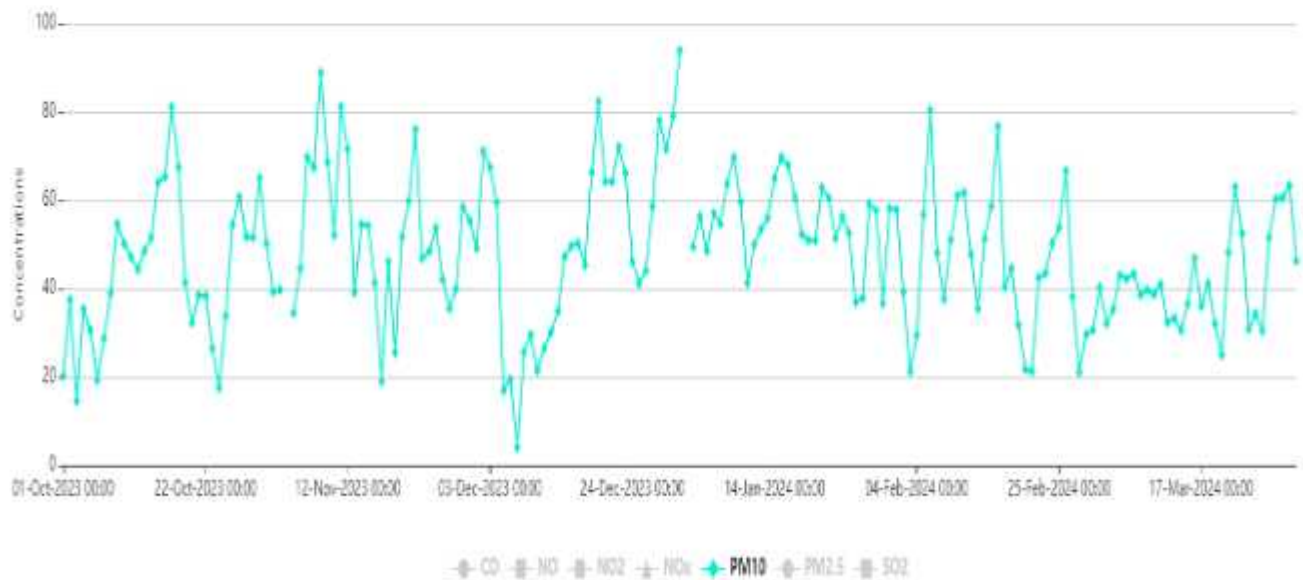
**Parameters : PM 2.5**



16

**LOCATION : KALYANPUR VILLAGE**

**Parameters : PM 10**



16

LOCATION : KALYANPUR VILLAGE

Parameters : SO2



LOCATION : KALYANPUR VILLAGE

Parameters : NOx



LOCATION : RAJOGRAM

Parameters : PM2.5



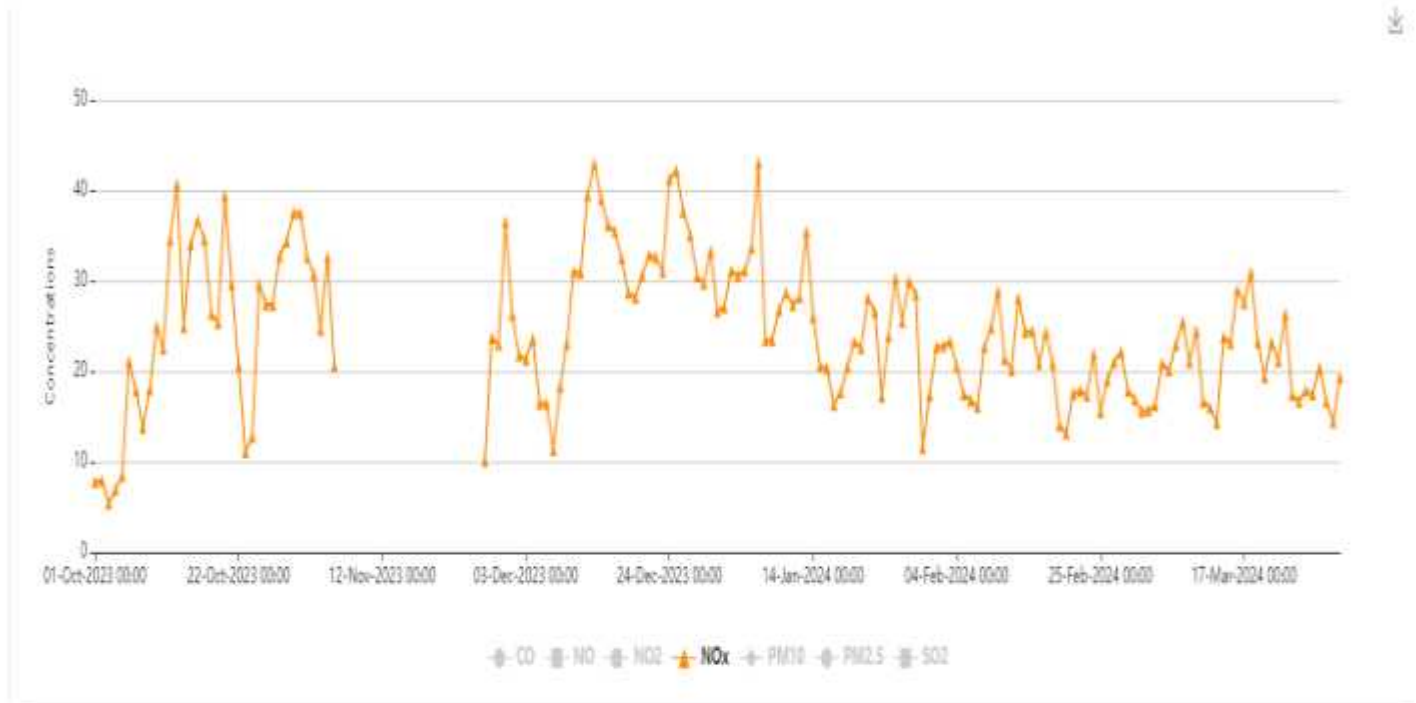
LOCATION : RAJOGRAM

Parameters : SO2



LOCATION : RAJOGGRAM

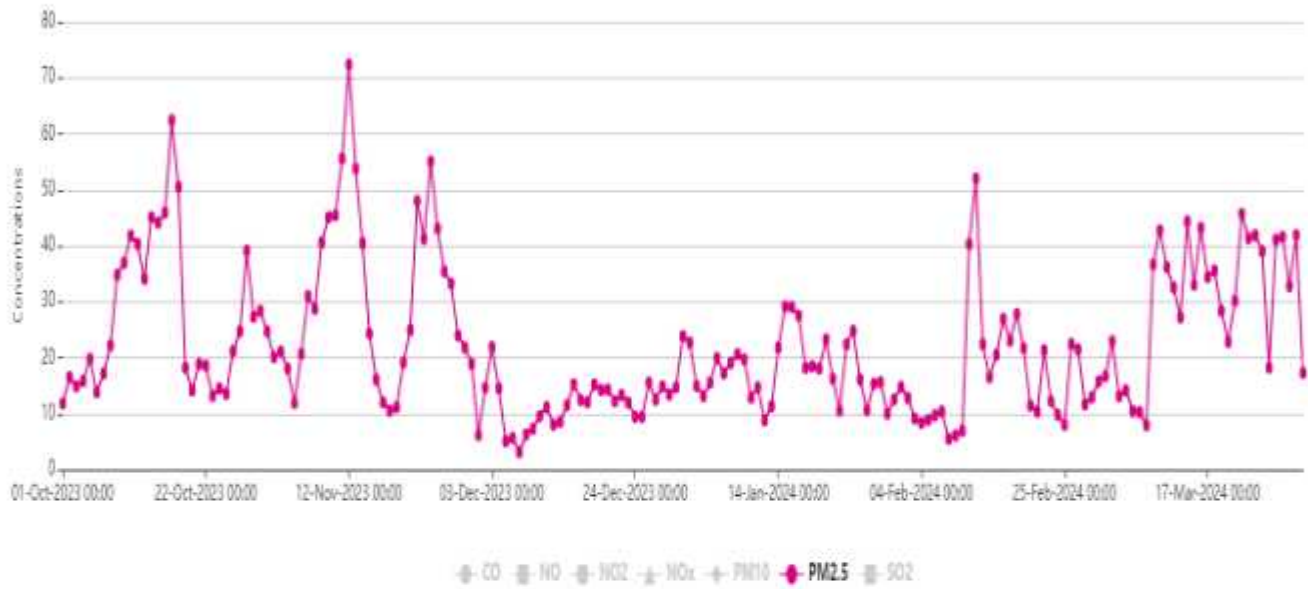
Parameters : NOx





LOCATION : BARKOLA

Parameters : PM2.5



LOCATION : BARKOLA

Parameters : SO2



LOCATION : BARKOLA

Parameters : NOx



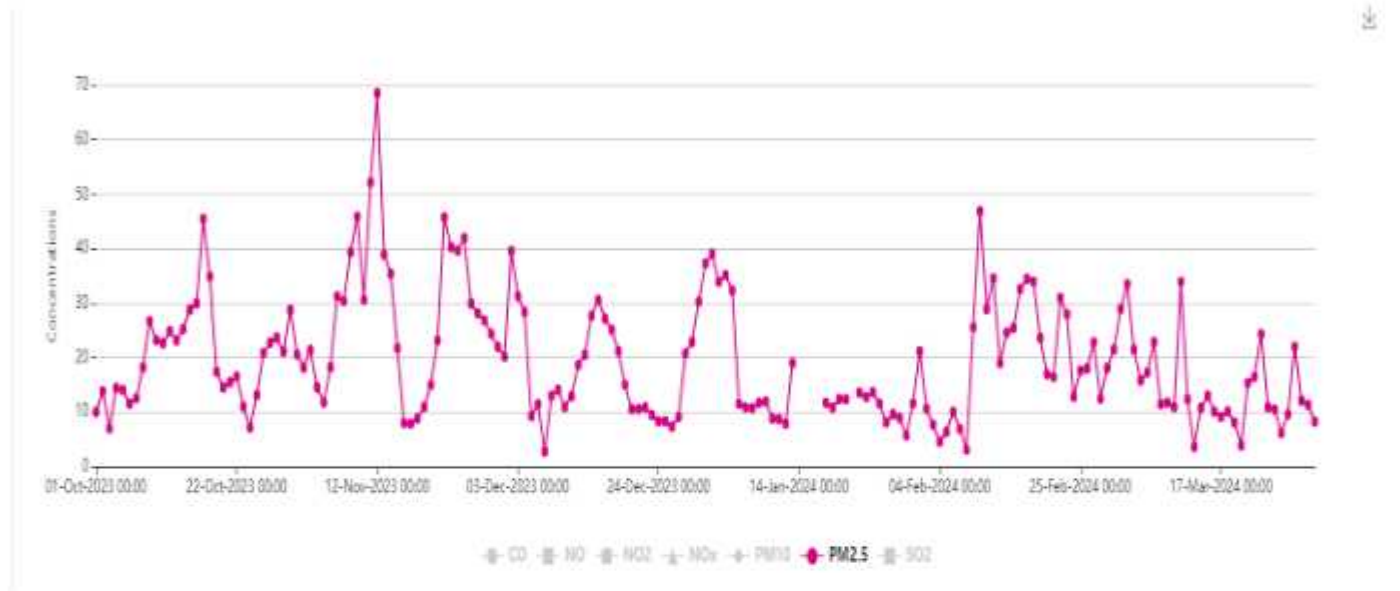
LOCATION : BARKOLA

Parameters : CO



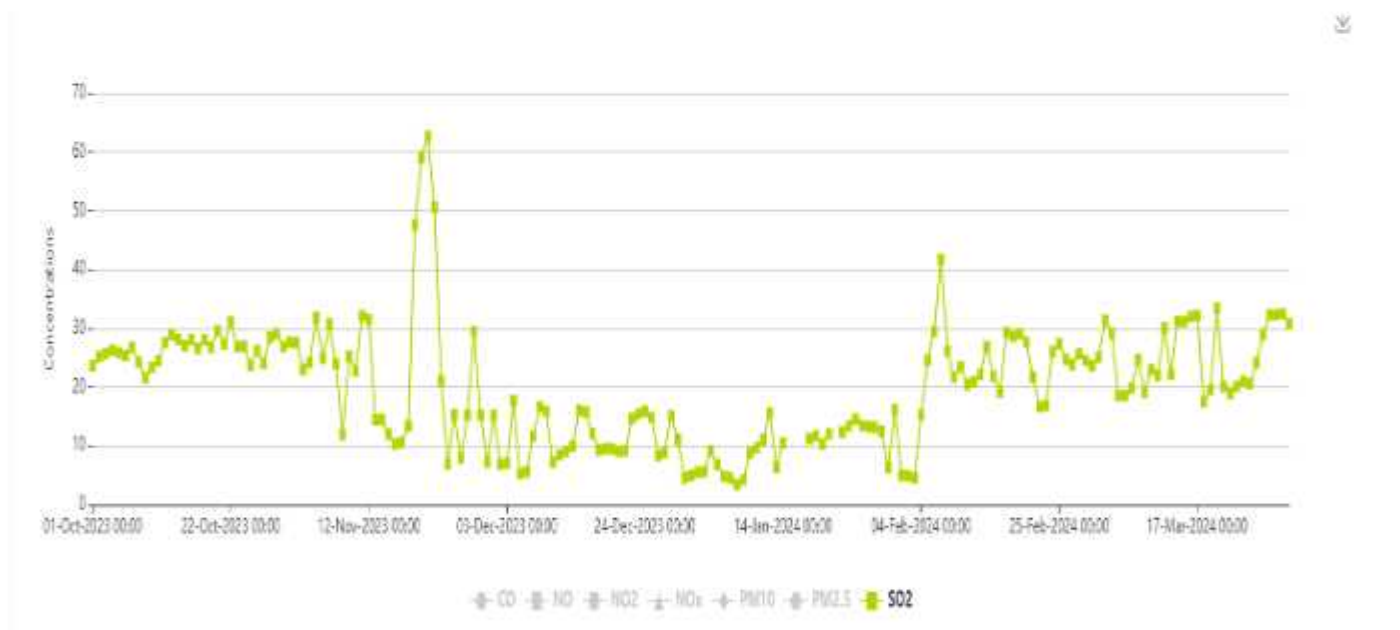
LOCATION : PANCHRULIA

Parameters : PM 2.5



LOCATION : PANCHRULIA

Parameters : SO2



LOCATION : PANCHRULIA

Parameters : NOx

10



LOCATION : PANCHRULIA

Parameters : CO

15





DOC NO : QLS/SAMP/08-A/00

### TEST REPORT

<b>Name &amp; Address Of the Customer :</b> M/s. Orissa Metallurgical Industry Private Limited (Formally Known as Bansal Cement Private Limited) Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-182/23-24/C/04
	Date	: 18.04.2024
	Sample No.	: QLS/P-182/23-24/04-07
	Sample Description	: Fugitive Air
	Date of performance	: 23.03.2024-26.03.2024
	Ref No.	: M124379586, Dated - 26.02.2024

### Analysis Result of Fugitive Air

Sampling Done by: C.Sahoo			
Environmental Condition : Clear & Sunny			
Sampling done as per : CPCB Guidelines (Volume-1)			
Sample No.	Location	Date of Sampling	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$
04	Packing Section	21.03.2024	894
05	Truck Parking Area		663
06	Raw Material Handling		428
07	Ball Mill Area-1,2 & 3		580
<b>NOTE:</b> Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

Report Prepared By:

R. Sharma

for Qualissure Laboratory Services  
Reviewed & Authorized By

Benimadhab Gorai, Chemist  
(Authorized Signatory)



-----End of the Report-----

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### TEST REPORT

<b>Name &amp; Address Of the Customer :</b>  <b>M/s. Orissa Metallurgical Industry Private Limited</b>  <b>(Formally Known as Bansal Cement Private Limited)</b>  Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	ULR No.	: TC62712400000534F
	Report No.	: QLS/P-182/23-24/C/10
	Date	: 27.04.2024
	Sample No.	: QLS/P-182/23-24/10
	Sample Description	: Ground Water
	Sample Mark	: Tap Near QC Lab
	Sample Drawn On	: 22.03.2024
	Date of performance	: 23.03.2024-01.04.2024
Ref No. Date	: M124379586, Dated – 26.02.2024	

### Analysis Result

#### (A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500; 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E. coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

#### (B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.43
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	386
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia as NH <sub>3</sub> in mg/l	IS 3025 (Part 34): 1988 (RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium (as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	38.8
9.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	15.8
10.	Copper (as Cu) in mg/l	IS 3025 (Part 42): 1992 (RA 2019)	0.05	1.5	<0.02
11.	Fluoride (as F) in mg/l	APHA 24 <sup>th</sup> Edition 2023; 4500 F D	1.0	1.5	<0.1
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988 (RA 2019)	1.0	No Relaxation	0.29
14.	Magnesium (as Mg) in mg/l	APHA 24 <sup>th</sup> Edition 2023; 3500 Mg B	30	100	15.7
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.05
16.	Nitrate (as NO <sub>3</sub> ) in mg/l	IS 3025 (Part 34): 1988 (RA 2019)	45	No Relaxation	0.62
17.	Sulphate (as SO <sub>4</sub> ) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	27.8
18.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	IS 3025 (Part 23): 2023	200	600	163.0
19.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	151.2
20.	Cadmium (as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide (as Cn) in mg/l	IS 3025 (Part 27): 1986 (RA 2019)	0.05	No Relaxation	<0.02
22.	Lead (as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury (as Hg) in mg/l	IS 3025 (Part 48): 1994 (RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic (as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc (as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	0.11
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By

Soumy Chakraborty, Microbiologist  
 (Authorized Signatory)

-----End of the Report-----

for Qualissure Laboratory Services

Reviewed & Authorized By

Bishnupriya Banerjee, Chemist  
 (Authorized Signatory)



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**ORISSA METALLURGICAL INDUSTRY PRIVATE LIMITED**  
**(Previously Bansal Cement Pvt. Ltd.)**

**GREENBELT DEVELOPMENT DETAILS**

Management has developed greenbelt of 35% in and all along the boundary wall. For developing Green Belt @2500 per hectare along and around boundary of the plant sapling/plantation already started. In financial year 2023-24 till from October 2023 March 2024 around 150 nos. of trees/saplings were planted Total plantation done in financial year 2023-24 is 470 nos.

**PLANTATION DETAILS FROM OCTOBER 2023 TO MARCH 2024**

SL. NO.	SPECIES PLANTED	QUANTITY IN NUMBERS					
		Before 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2023 - 2024
1	NEEM						20
2	CHHATIM						20
3	KRISHACHURA						25
4	CONOCARPUS						60
5	OLEANDER						25
<b>Survival of plantation</b>		Before 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2023 - 2024
Total Seeding / Plantation (No)		1710	400	910	260	350	470
Survival Trees (No) as on date of EC		1610	380	865	247	343	460
Survival		80 %	95 %	95 %	95 %	98 %	98 %
<b>Total Survival Trees / Sapling Till Date</b>		<b>3905</b>					
<b>Total land Area of Project (Acres)</b>		<b>9.0 Acres</b>					
<b>Greenbelt development as per EC (Acres)</b>		<b>3.1 Acres</b>					
<b>Area Covered under green belt (Acres)</b>		<b>3.9 Acres</b>					
<b>Area Covered under green belt (%)</b>		<b>43%</b>					

**GREENBELT DEVELOPMENT PLAN FOR THE YEAR 2024-2025**

Sl. No.	Year	Sapling Nos. (@2500)	Area to be Covered	Species Type	Location
1	FY 2024-25	100	Gap filling and increasing density per acres (@2500)	Kadam, Radhachura, Chatim, Krishnachura.	Inside the plant boundary wall along and around boundary of the site Administrative & Canteen Area, Product Storage Yard, Truck Parking Area, Rain water harvesting pond.



**PHOTOGRAPHS OF THE GREENBELT DEVELOPED**





## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>  <b>M/s. Orissa Metallurgical Industry Private Limited</b> <b>(Formally Known as Bansal Cement Private Limited)</b> Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-182/23-24/C/08A
	Date	: 18.04.2024
	Sample No.	: QLS/P-182/23-24/08A
	Date of Performance	: 23.03.2024-26.03.2024
	Sample Description	: Noise Monitoring
	Ref No. Date	: M124379586, Dated - 26.02.2024

## Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Ball Mill 1 & 2			
Date of Monitoring : 21.03.2024-22.03.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	59.8	53.4	58.0
07.00-08.00	70.1	52.3	64.3
08.00-09.00	67.2	49.8	60.4
09.00-10.00	67.1	51.2	60.3
10.00-11.00	69.0	50.2	57.0
11.00-12.00	70.3	51.2	59.1
12.00-13.00	71.4	52.3	60.6
13.00-14.00	55.3	51.2	52.8
14.00-15.00	71.8	53.1	59.5
15.00-16.00	67.8	51.2	57.7
16.00-17.00	71.4	50.2	58.3
17.00-18.00	68.7	51.2	55.6
18.00-19.00	68.0	53.2	59.1
19.00-20.00	65.5	50.2	57.0
20.00-21.00	63.2	50.2	55.2
21.00-22.00	58.0	51.2	53.4
22.00-23.00	53.0	50.2	51.2
23.00-00.00	61.4	49.0	55.7
00.00-01.00	52.7	50.2	51.4
01.00-02.00	56.4	51.2	54.2
02.00-03.00	54.2	50.0	51.4
03.00-04.00	52.3	48.5	50.2
04.00-05.00	52.4	47.5	50.5
05.00-06.00	54.2	50.2	52.1

<b>Leq dB Day Time</b>	<b>Leq dB Night Time</b>	<b>Average dB</b>
<b>63.1</b>	<b>53.2</b>	<b>56.0</b>

Report Prepared By:

R. Sharma

for Qualissure Laboratory Services  
 Reviewed & Authorized By

Benimadhab Gorai, Chemist  
 (Authorized Signatory)

-----End of the Report-----

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## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>  M/s. Orissa Metallurgical Industry Private Limited (Formally Known as Bansal Cement Private Limited) Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-182/23-24/C/08B
	Date	: 18.04.2024
	Sample No.	: QLS/P-182/23-24/08B
	Date of Performance	: 23.03.2024-26.03.2024
	Sample Description	: Noise Monitoring
	Ref No. Date	: M124379586, Dated - 26.02.2024

## Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Ball Mill 3			
Date of Monitoring : 21.03.2024-22.03.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	55.4	49.8	52.1
07.00-08.00	61.2	58.8	60.4
08.00-09.00	65.5	49.8	59.7
09.00-10.00	62.3	51.2	58.0
10.00-11.00	67.8	50.2	58.7
11.00-12.00	57.6	50.3	54.3
12.00-13.00	63.8	50.2	57.3
13.00-14.00	73.8	48.9	57.6
14.00-15.00	71.2	51.2	58.4
15.00-16.00	70.6	52.3	60.1
16.00-17.00	67.1	51.2	58.2
17.00-18.00	68.7	50.2	56.9
18.00-19.00	65.4	50.2	56.0
19.00-20.00	64.9	50.2	55.2
20.00-21.00	66.2	48.9	54.4
21.00-22.00	60.7	50.3	54.4
22.00-23.00	62.6	50.2	53.8
23.00-00.00	60.3	49.5	54.6
00.00-01.00	55.1	50.2	53.2
01.00-02.00	53.4	49.9	52.2
02.00-03.00	50.8	47.1	49.4
03.00-04.00	49.1	45.2	47.1
04.00-05.00	50.7	49.2	49.7
05.00-06.00	53.1	51.6	52.5

<b>Leq dB Day Time</b>	<b>Leq dB Night Time</b>	<b>Average dB</b>
62.2	51.8	55.2

Report Prepared By:

R. Sharma

for Qualissure Laboratory Services  
Reviewed & Authorized By

Benimadhab Gorai, Chemist  
(Authorized Signatory)

-----End of the Report-----

- The results relate only to the item(s) tested.
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- The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.



## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> M/s. Orissa Metallurgical Industry Private Limited (Formally Known as Bansal Cement Private Limited) Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-182/23-24/C/09
	Date	: 18.04.2024
	Sample No.	: QLS/P-182/23-24/09(A-B)
	Date of Performance	: 23.03.2024-26.03.2024
	Sample Description	: Noise Monitoring
Ref No. Date	: M124379586, Dated - 26.02.2024	

## Monitoring Result of Noise

Sampling Guideline : As per IS: 9876: 1981 (RA-2001)						
Sampling done by: C.Sahoo						
Date of Sampling : 21.03.2024-22.03.2024						
Sl. No	Sample location	L Max dB (A)	L Min dB (A)	Avg. dB (A)	Leq dB Day	Leq dB Night
09A	Near Plant Main Gate	67.8	43.1	56.5	62.2	49.5
09B	Mathurakismat Village	63.7	34.1	48.5	54.0	43.9

Report Prepared By:

R. Shome

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