

Six Monthly Compliance Report (JUNE-2023) for Period October'2022 to MARCH' 2023 (EC No- 3310/EN/T-II-1/045/2017; Dated 03.10.2018)- M/s Bansal Cement Private Limited at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal

1 message

BANSAL CEMENT <bansalcementkgp@gmail.com>

Mon, May 29, 2023 at 3:39 PM

To: iro.kolkata-mefcc@gov.in, ms@wbpcb.gov.in, "wbpcbnet@wbpcb.gov.in" <wbpcbnet@wbpcb.gov.in>

Bcc: Biswanath Sharma <biswanath@rashmigroup.com>, bijayen.srivastava@rashmigroup.com,

ompl1.environment@rashmigroup.co.in

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for the period from October 2022 to March 2023 of EC No- 3310/EN/T-II-1/045/2017; Dated 03.10.2018 for 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 1 X 1800 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 .

Here, we would like to state that, transfer of Environmental Clearance for subject EC accorded project from M/s. Bansal Cement Private Limited to M/s. Orissa Metallurgical Industry Private Limited is granted from SEIAA West Bengal vide memo no-820/EN-II-1/045/2017 dated 27th April 2023. Compliance of the subject EC accorded project will be made by M/s Orissa Metallurgical Industry Private limited from next cycle i.e. April 2023 to October 2023 onward.

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.

With Warm Regards,

Authorised Signatory



M/s. Bansal Cement Private Limited

City Office: Orbit, 3rd Floor, 1 Garstin Place, Kolkata-700001

Mbl. No-9836532612



Compliance Bansal Cement.pdf

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Ref. Bansal/ENV_COMP / DECEMBER_2022

Date: 26.05.2023

To,

**The Member Secretary
West Bengal Pollution Control Board, Parivesh Bhawan,
10A Block – LA, Sector – III,
Kolkata – 700 91**

Sub. Six Monthly (June- 2023) Compliance Report for Period from April 2022 to September 2022 for 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 1 X 1800 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. Bansal cement private Limited.

Ref: - EC No- 3310/EN/T-II-1/045/2017; Dated 03.10.2018

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With reference to the above, we are hereby submitting the six monthly compliance reports for the period from October 2022 to March 2023 of EC No- 3310/EN/T-II-1/045/2017; Dated 03.10.2018 for 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 1 X 1800 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 .

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We assured 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 Bansal Cement Private Limited**

Authorized Signatory

CC:

- 1. The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Department of Environment, Govt. of West Bengal, 5th Floor, Praneesampad Bhawan, Block LB-II, Salt lake, Sector-III, Bidhanagar, Kolkata-7000106**
- 2. Integrated Reginal Office, Ministry of Environment, Forests & Climate Change, Kolkata IB – 198, Sector-III, Salt Lake City– 700106, West Bengal**

Enclosures:-

1. Compliance Report for EC; Dated 03.10.2018
2. Copy of Latest Stack Monitoring Report as Annexure-I.
3. OCEMS data for six month as Annexure-II.
4. Copy of AAQM Report as Annexure-III.
5. Copy of Fugitive Emission Report as Annexure-IV.
6. Ground Water Monitoring Report Annexure-V.
7. Green Belt detail as Annexure-VI.
8. Copy of Noise Quality Monitoring Report Annexure-VII.

BANSAL CEMENT PRIVATE LIMITED

City office : ' ORBIT ' 3rd Floor, 1, Garstin Place, Kolkata - 700001

Ph. : 033 - 22438517-20

Factory : P.O. Shyamraipur, Via - Kharagpur, Dist. : Paschim Medinipur (W.B.)

CIN No. : U26942WB1995PTC068236

SIX MONTHLY COMPLIANCE REPORT (JUNE-2023)

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 1X1800 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



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

M/s BANSAL CEMENT PRIVATE LIMITED

'ORBIT' 3RD FLOOR, 1, GARSTIN PLACE
KOLKATA – 700 017, WEST BENGAL
Phone No.–033 – 22438517-20

Email id- bansalcementkqp@gmail.com

Name of the Project: - Expansion of Existing cement Grinding Unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1 X 1800 TPD + 1 X 200 TPD Ball Mill and 1X2000 TPD VRM by M/s Bansal Cement Private Limited.

Clearance Letter/s No. and date: - EC No-3310/EN/T-II-1/045/2017 dated 03.10.2018

Period of Compliance Report - October 2022 to March 2023

SL. No.	CONDITIONS	COMPLIANCE STATUS								
A. SPECIFIC CONDITIONS										
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 accredited laboratory in time bound manner. Latest Stack report is enclosed as Annexure-I . 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 Annexure-II .								
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 ³ .	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 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	Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories. M/s Qualissure Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory has done the analysis. The analysis data as per report for month of March 2023 are: <table border="1" data-bbox="726 2004 1476 2105"> <thead> <tr> <th>Parameters</th> <th>Near Plant Main Gate</th> <th>Maheshpur Village</th> <th>Gokulpur Village</th> </tr> </thead> <tbody> <tr> <td>PM10 µg/m³</td> <td>79</td> <td>74</td> <td>68</td> </tr> </tbody> </table>	Parameters	Near Plant Main Gate	Maheshpur Village	Gokulpur Village	PM10 µg/m ³	79	74	68
Parameters	Near Plant Main Gate	Maheshpur Village	Gokulpur Village							
PM10 µg/m ³	79	74	68							

where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO₂ 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.

PM 2.5 µg/m ³	34	35	35
SO ₂ µg/m ³	8.9	7.4	7.1
NOX µg/m ³	29.1	28.1	27.3
CO µg/m ³	858	801	778

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.

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 PM₁₀ & PM 2.5.

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

04 Nos. cement silo of adequate capacity is there for current operational 2 x 100 + 1 x 200 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 03 no's packing section.

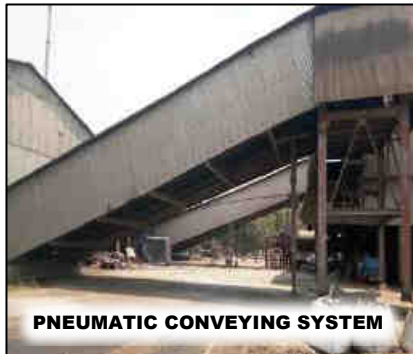
To control fugitive emission at packaging section adequate suction system is in place.

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 (1x2000 TPD VRM & 1 x1800 TPD Ball Mill).





PNEUMATIC CONVEYING SYSTEM



COVERED STORAGE YARD



<p>VI. 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 style="text-align: center;">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 Air Quality Monitoring at four location viz. Ball Mill Area 1,2 & 3, Packing Section, Truck Parking Area and construction site by third party monitoring agency M/s. Qualissure Laboratory Services, West Bengal which is NABL/WBPCB/OSPCB accredited laboratory. As per monitoring reports submitted, fugitive emissions were monitored in month of March,2023 and emission levels are as follows:</p> <table border="1" data-bbox="667 712 1473 891"> <thead> <tr> <th>Parameter</th> <th>Ball Mill Area 1,2 & 3</th> <th>Packing Section</th> <th>Truck Parking Area</th> <th>Construction Site</th> </tr> </thead> <tbody> <tr> <td>TSPM ($\mu\text{g}/\text{m}^3$)</td> <td>815</td> <td>722</td> <td>645</td> <td>412</td> </tr> </tbody> </table> <p>Fugitive reports are attached for your ready reference as Annexure No.-IV.</p>	Parameter	Ball Mill Area 1,2 & 3	Packing Section	Truck Parking Area	Construction Site	TSPM ($\mu\text{g}/\text{m}^3$)	815	722	645	412
Parameter	Ball Mill Area 1,2 & 3	Packing Section	Truck Parking Area	Construction Site							
TSPM ($\mu\text{g}/\text{m}^3$)	815	722	645	412							
<p>VII. 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 style="text-align: center;">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 Annexure-V.</p>										
<p>VIII. Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.</p>	<p style="text-align: center;">Being Complied</p> <p>The management of Bansal Cement Pvt. Ltd. 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 & 1 x 1800 TPD Ball Mill).</p>										
<p>IX. 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 style="text-align: center;">Being Complied</p> <p>Clinker and gypsum are stored under covered shed and fly ash is stored in Silo.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">COVERED STORAGE YARD</p>										



X.	<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>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.</p> <p>Damaged bag filters are sent to WBPCB Authorized CHWTSDF.</p>										
XI.	<p>Adequate provisions should be made for harvesting rainwater. The harvested rain water should be used for plantation, firefighting, washing and cleaning etc. Recharging ground water is not permitted.</p>	<p>Being Complied</p> <p>The management of Bansal Cement Private Limited has developed rainwater harvesting reservoir in the area of 600 square meters. The harvested water is used inside the plant for Green belt development and dust suppression.</p>										
XII.	<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>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 2022-2023, around 350 plants have been planted in and around the periphery of plant boundary and to speed up the green belt development work/gap filling additional dedicated manpower has been deployed.</p> <p>The details of developed greenbelt with recent photograph are attached as Annexure-VI.</p>										
XIII.	<p>The overall noise levels in and around the plant area shall be kept well within the standards by providing noise 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>Being Complied</p> <p>Noise level has been monitored at two locations viz. Plant Main Gate, Risha Village, Ball Mill Area & Construction Area by third party monitoring agency M/s. Qualissure Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory. As per monitoring reports submitted, noise levels were monitored in month of March 2023.</p> <table border="1" data-bbox="687 1854 1449 1957"> <thead> <tr> <th>Parameter</th> <th>Plant Main Gate</th> <th>Risha Village</th> <th>Near Ball Mill Area</th> <th>Construction Site</th> </tr> </thead> <tbody> <tr> <td>Leq (dBA)</td> <td>56.3</td> <td>50.7</td> <td>51.0 to 69.1</td> <td>47.3 to 67.7</td> </tr> </tbody> </table> <p>Noise Quality Monitoring reports are attached as Annexure No. -VII.</p>	Parameter	Plant Main Gate	Risha Village	Near Ball Mill Area	Construction Site	Leq (dBA)	56.3	50.7	51.0 to 69.1	47.3 to 67.7
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Leq (dBA)	56.3	50.7	51.0 to 69.1	47.3 to 67.7								
XIV.	<p>Asphalting/concreting of roads and water spray all</p>	<p>Noted</p> <p>This project is an expansion project at existing plant premises.</p>										



	<p>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 PM₁₀ and PM_{2.5} 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>Maximum internal roads are concreted and remaining road will be done asphaltting/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"> • Water sprinklers/ water gun at dedicated emission sources like haul road, loading and unloading points, transfer points and other vulnerable areas. • Pneumatic conveying system with Belt Conveyors by C G I (corrugated galvanized iron) sheet in all sides to prevent the Fugitive emission • Raw Materials are stored in covered area. • One number of dedicated water spraying tankers is in use. • Engaged dedicated Housekeeping team with proper training and control. • Development of Green Belt in and around plant area. <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; flex-wrap: wrap;">     </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</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"> • Adequate lighting facilities are provided in factory premises. • 01 no mechanical street swiping machine is used continuously to maintain the proper housekeeping practice. • Vehicle having valid PUC certificates area allowed to enter in the plant premises. 

	maintained within the premises.	Provision of separate pathway for entry and exit of vehicles is there.																					
XVI.	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.	Being Complied 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.																					
XVII.	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	Bring Complied Hydrants, medium velocity spray system, portable fire extinguishers of various capacities containing agents such as CO ₂ , DCP etc. are located at strategic points of the plant to control fire and explosion hazards.																					
XVIII.	All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.	CREP being complied in time bound manner. <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Conditions</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Cement Plants, which are not complying with notified standards, shall do the following to meet the standards: <ul style="list-style-type: none"> Augmentation of existing Air Pollution Control Devices- by July 2003 Replacement of existing Air pollution Control Devices- by July 2004 </td> <td>Operational (2 x 100 + 1 x 200 TPD) Cement Grinding Unit is already meeting the emission standard of 30 mg/Nm³.</td> </tr> <tr> <td>2</td> <td>Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm³.</td> <td>Emission level is maintained as per CPCB/ MoEF&CC guideline for Cement Plant (30 mg/Nm³).</td> </tr> <tr> <td>3</td> <td>The new cement kilns to be accorded NOC/ Environment Clearance w. e. f 01.04.2003 will meet the limit of 50 mg/Nm³ for particulate matter emissions.</td> <td>Required permission has been obtained and a copy of permission letter has already been submitted to the concerned department.</td> </tr> <tr> <td>4</td> <td>CPCB will evolve load based standards by December 2003.</td> <td>Emission standard of 30 mg/Nm³ is maintained.</td> </tr> <tr> <td>5</td> <td>CPCB and NCBM will evolve SO₂ and NO_x emission standards by June 2004.</td> <td>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.</td> </tr> <tr> <td>6</td> <td>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</td> <td> <ul style="list-style-type: none"> All the material transfer points for operational units are equipped with Bag filters. Raw Materials are stored in covered </td> </tr> </tbody> </table>	Sl. No	Conditions	Status	1	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards: <ul style="list-style-type: none"> Augmentation of existing Air Pollution Control Devices- by July 2003 Replacement of existing Air pollution Control Devices- by July 2004 	Operational (2 x 100 + 1 x 200 TPD) Cement Grinding Unit is already meeting the emission standard of 30 mg/Nm ³ .	2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm ³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Emission level is maintained as per CPCB/ MoEF&CC guideline for Cement Plant (30 mg/Nm ³).	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 ³ 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 ³ is maintained.	5	CPCB and NCBM will evolve SO ₂ and NO _x 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	<ul style="list-style-type: none"> All the material transfer points for operational units are equipped with Bag filters. Raw Materials are stored in covered
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		will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	<p>area. Demarcated the Slag storage area and slag heaps are covered with tarpaulin.</p> <ul style="list-style-type: none"> • Maximum area inside plant has been concreted to prevent fugitive emission. • One number of dedicated water spraying tankers is in use. • All belt conveying systems are covered up by the MS plate. • Dedicated street swiping machine also in use in plant. • Engaged dedicated Housekeeping team with proper training and control. • Development of Green Belt.
	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 Stack 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
	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. <ul style="list-style-type: none"> • Non complying units shall give bank guarantee to respective SPCBs. 	Not Applicable



XIX. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.

Being Complied

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:

Year	Particulars	Narration	Amount
2022-2023 (Till Oct. to Mar.)	Green Belt Development	Maintenance, labour cost, etc.	42,000.00
	House Keeping	Labour charges, Drainage Cleaning and other materials	1,20,000.00
	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	75,500.00
	O.H. Management & Safety Plan	Occupational Health Management, Risk Mitigation & Safety Plan	72,000.00
	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	3,57,000.00
TOTAL			6,66,500.00

XX. At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social commitment (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

2.5 % of the Project Cost (112.5 Lakhs) has been earmarked for CSR towards the Enterprise Social Commitment.

In the financial year 2022-23, Rs.3, 50,000 /- are being spent under CSR head for Construction of Recreation Hall at Jhatibandh Chowk, West Bengal.

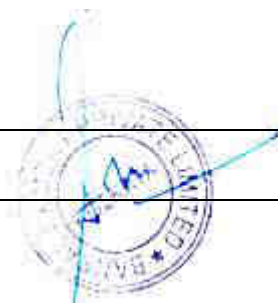


i. The environmental clearance

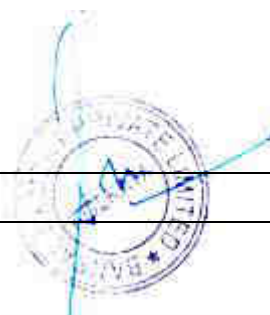
Noted.

	accorded shall be valid for a period of 7 years for the proposed project.	
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 and Consent to Operate (CTO) permission vide CO-113613 dated 28.10.2021 for Ball Mills 2 X 100 and 1 X 200 TPD.
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 We are in process of complying all the commitments and recommendations made in the EIA/EMP report, undertaking socio-economic development activities in the surrounding villages under CSR head. In the financial year 2022-23, Rs.3, 50,000 /- are being spent under CSR head for Construction of Recreation Hall at Jhatibandh Chowk, West Bengal.
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 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.
vi.	The project proponent should make financial provision in the total budget of the project for implementation of the	Noted. Adequate fund provision (Rs 1.91 Crores capital cost & Rs 0.19 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose.

	<p>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>The detail about the recurring cost on Environment Safeguard for current operational plant is already discussed in point XIX.</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 style="text-align: center;">Agreed</p> <p>In compliance to this point, Transfer of Environmental Clearance for 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 1x1800 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) Dist.- Paschim Medinipur, West Bengal from Ms. Bansal Cement Private Limited to M/s. Orissa Metallurgical Industry Private Limited is obtained from SEIAA West Bengal vide memo no-820/EN-II-1/045/2017 dated 27th April 2023.</p> <p>Compliance of the subject EC accorded project will be made by M/s Orissa Metallurgical Industry Private limited from next cycle i.e. April 2023 to October 2023 onward.</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 & Climate Change, Bhubaneswar.</p>	<p>The last monitoring reports are submitted with compliance report for the period April 2022 to September 2022 submitted vide letter no.- Bansal/ENV_COMP / DECEMBER_2022 dated 19.11.2022 via email.</p> <p>In compliance to this point this report is being submitted.</p>
ix.	<p>The State Level Environment Impact Assessment</p>	<p style="text-align: center;">Noted.</p>



	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.	
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 (http://environmentwb.gov.in). 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.	<p>Already Complied</p> <p>Advertisement for environment clearance issued in name of Ms. Bansal Cement Private Limited is made, in two local newspapers that are widely circulated in the region are:</p> <ul style="list-style-type: none"> • Business Standard dated 06.10.2018 (English) • Aajkal dated 06.10.2018 (Bengali) <p>Copy of the same is submitted to competent authority vide EC compliance (Dec-2018), letter no- Bansal/ENV_COMP /DEC_2018 dated 23.12.2018.</p> <p>Advertisement for environment clearance transfer from Ms. Bansal Cement Private Limited to M/s. Orissa Metallurgical Industry Private Limited is made, in two local newspapers that are widely circulated in the region are:</p> <ul style="list-style-type: none"> • The Echo of India dated 29.04.2023 (English) • Aajkal dated 29.04.2023 (Bengali)
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 ₁₀ , PM _{2.5} , SO ₂ , NO _x (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 of the company in the public domain.	<p>Being Complied.</p> <ul style="list-style-type: none"> • Compliance reports with monitoring results are uploaded on the company website www. bansalcement.com • 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. • Electronic display board is installed at plant main gate and online stack emission data and AAQMS data is also being displayed.
xii.	The Project Authorities	Noted.



	<p>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.</p>	<p>Private Company , no finance is needed from outside</p>
<p>xiii.</p>	<p>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.</p>	<p>Noted.</p>



**ANALYSIS REPORT OF GASEOUS EMISSION
BY WBPCB**

ANNEXURE - I



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

Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Bansal Cements Pvt Ltd.	
2. Address		VIII- Mathurakismat, PO- Shyamraipur, PS- Khargpur (Local) Dist- Paschim Medinipur, Pin-721301	
3. Category & Type		Red, Cement Plant	
4. Sampling Date		21/10/2022	
5. Duration of Sampling		30 min	
6. Name of Laboratory		M/s Envirocheck	
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)		-	
12. APC System (if any)		Bag Filter	
13. Working load of source (MT/hr)		200 TPD	
14. Fuel used		Nil(Electrically Operated)	
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)		49.0	
19. Flue gas velocity m/s		16.95	20. Volume of Flue gas drawn in lit (m ³) 1.0250
21. Corrected flue gas volume (Nm ³)		0.9651	22. Percentage CO ₂ & O ₂ CO ₂ < 0.2%, O ₂ < 20.0 %
23. To be compensated at (%. if required)		-	
24. Initial wt of thimble (gm)		1.4211	25. Final wt of thimble (gm) 1.4297
26. Wt. of PM (g)		8.60	27. Particulate matter (mg/Nm ³) 8.91
28. Barometric Pressure Head		756 mm of Hg	29. Diameter of the nozzle 6.35 mm
30. Others:- mg/Nm ³		31. Thimble No. 92	
32. Sampled by:		A. Das, AEE, HRO	

*Done by M/s Envirocheck

Sanjay Kumar
Scientist 07/11/22

[Signature]
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)

ANALYSIS REPORT OF GASEOUS EMISSION

ANNEXURE - I

BY WBPCB



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 Cements :- pvt. Ltd.		
2. Address	VIII- Mathurakismat, PO- Shyamraipur, PS- Khargpur (Local) Dist- Paschim Medinipur, Pin-721301		
3. Category & Type	Red, Cement Plant		
4. Sampling Date	21/10/2022		
5. Duration of Sampling	46 min		
6. Name of Laboratory	M/s Envirocheck		
7. Height of Stack from ground (m)	35.0		
8. Cross section of Stack at sampling point(m ²)	0.3696		
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	Nil(Electrically Operated)		
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)	47.0		
19. Flue gas velocity m/s	10.62	20. Volume of Flue gas drawn in lit (m ³)	1.012
21. Corrected flue gas volume (Nm ³)	0.9544	22. Percentage CO ₂ & O ₂	CO ₂ <0.2%, O ₂ -20.0 %
23. To be compensated at (% , if required)	-		
24. Initial wt of thimble (gm)	1.5039	25. Final wt of thimble (gm)	1.5104
26. Wt. of PM (g)	6.50	27. Particulate matter (mg/Nm ³)	6.81
28. Barometric Pressure Head	756 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:- mg/Nm ³	-		
31. Thimble No.	93		
32. Sampled by:	A. Das, AEE, HRO		

*Done by M/s Envirocheck

Ganguly 07/11/22
Scientist

[Signature] 07/11/22
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)

ANALYSIS REPORT OF GASEOUS EMISSION
BY WBPCB

ANNEXURE - I



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

Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Bansal Cements <i>Pvt. Ltd.</i>	
2. Address		VIII- Mathurakismat, PO- Shyamraipur, PS- Khargpur(Local) Dist- Paschim Medinipur, Pin-721301	
3. Category & Type		Red, Cement Plant	
4. Sampling Date		21/10/2022	
5. Duration of Sampling		50 min	
6. Name of Laboratory		M/s Envirocheck	
7. Height of Stack from ground (m)		35.0	
8. Cross section of Stack at sampling point(m ²)		0.5150	
9. Stack connected to		Ball Mill (No.-1)	
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		Nil(Electrically Operated)	
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)		58.5	
19. Flue gas velocity m/s	10.81	20. Volume of Flue gas drawn in lit (m ³)	1.0
21. Corrected flue gas volume (Nm ³)	0.9400	22. Percentage CO ₂ & O ₂	CO ₂ <0.2%, O ₂ -20.0 %
23. To be compensated at (%. if required)		-	
24. Initial wt of thimble (gm)	1.5162	25. Final wt of thimble (gm)	1.5209
26. Wt. of PM (g)	4.70	27. Particulate matter (mg/Nm ³)	5.00
28. Barometric Pressure Head	756 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:- mg/Nm ³		31. Thimble No.	94
32. Sampled by:		A. Das, AEE, HRO	

*Done by M/s Envirocheck

A. Das
07/11/22
Scientist

A. Das
07/11/22
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)

OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

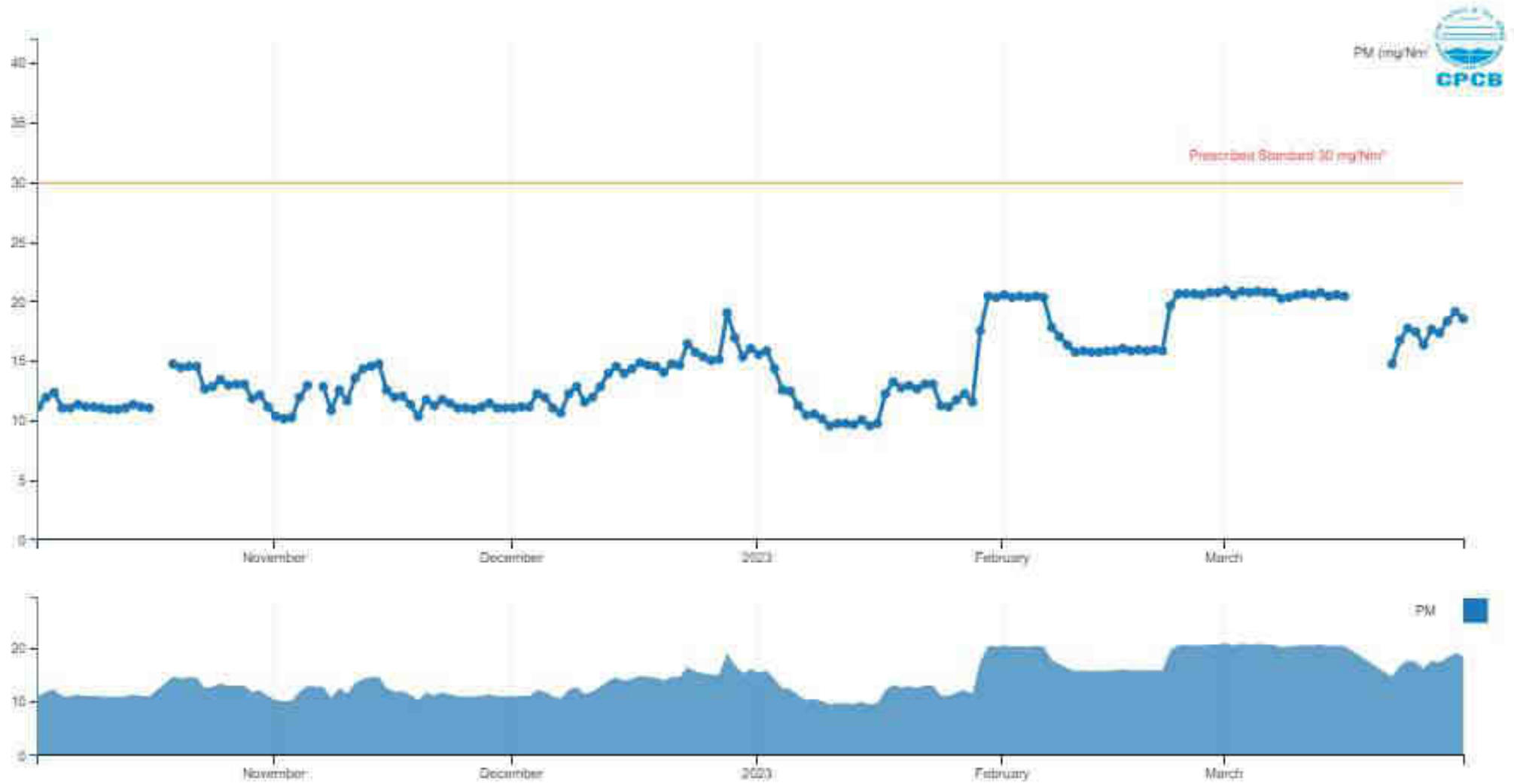
BANSAL CEMENT PRIVATE LIMITED Stack-1_Cement Grinding mill-1

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

Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily



OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

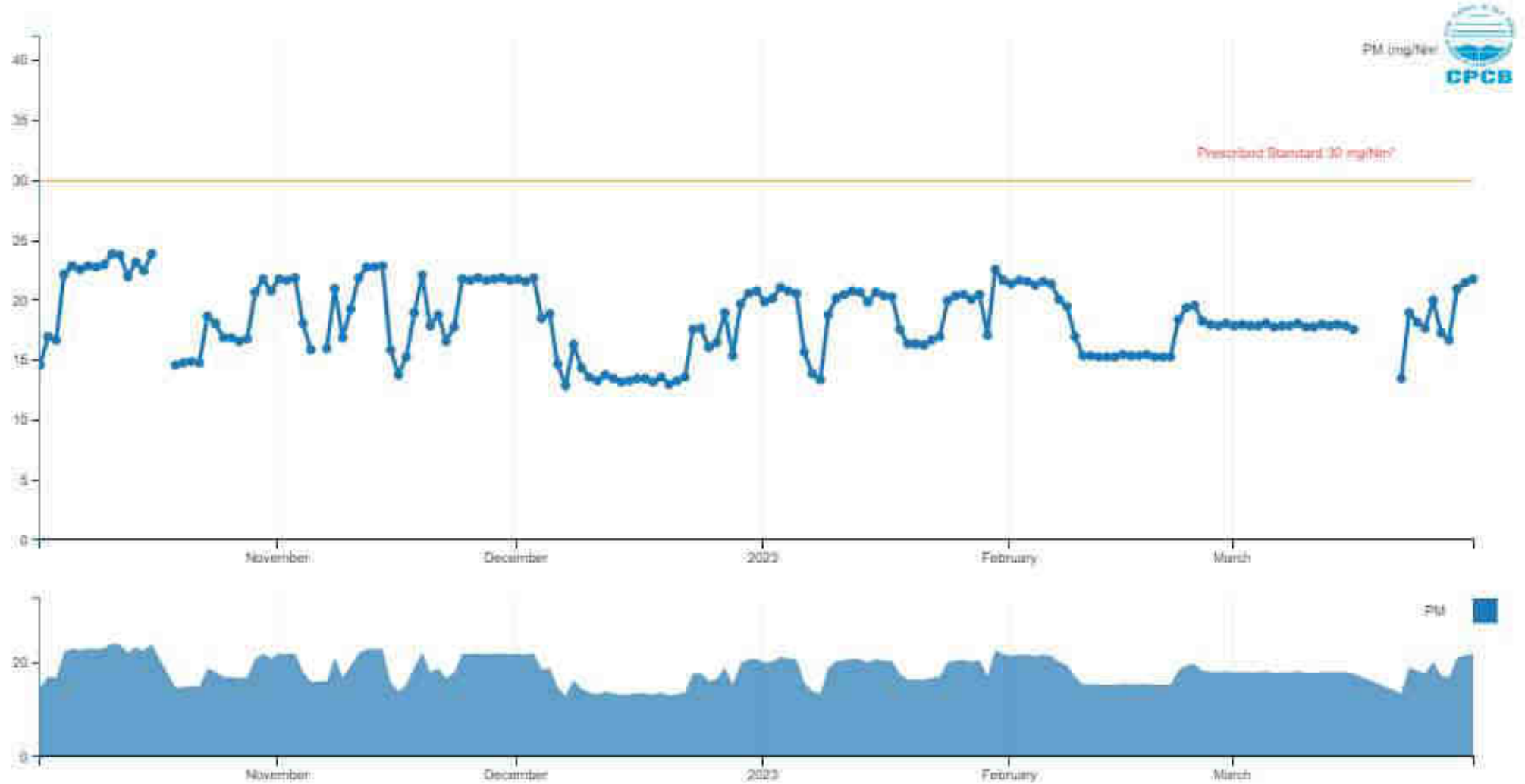
BANSAL CEMENT PRIVATE LIMITED Stack-2_Cement Grinding Mill-2

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

Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily



OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

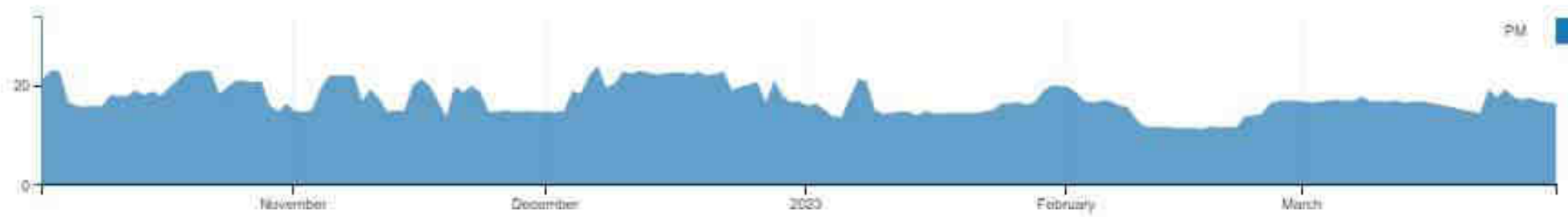
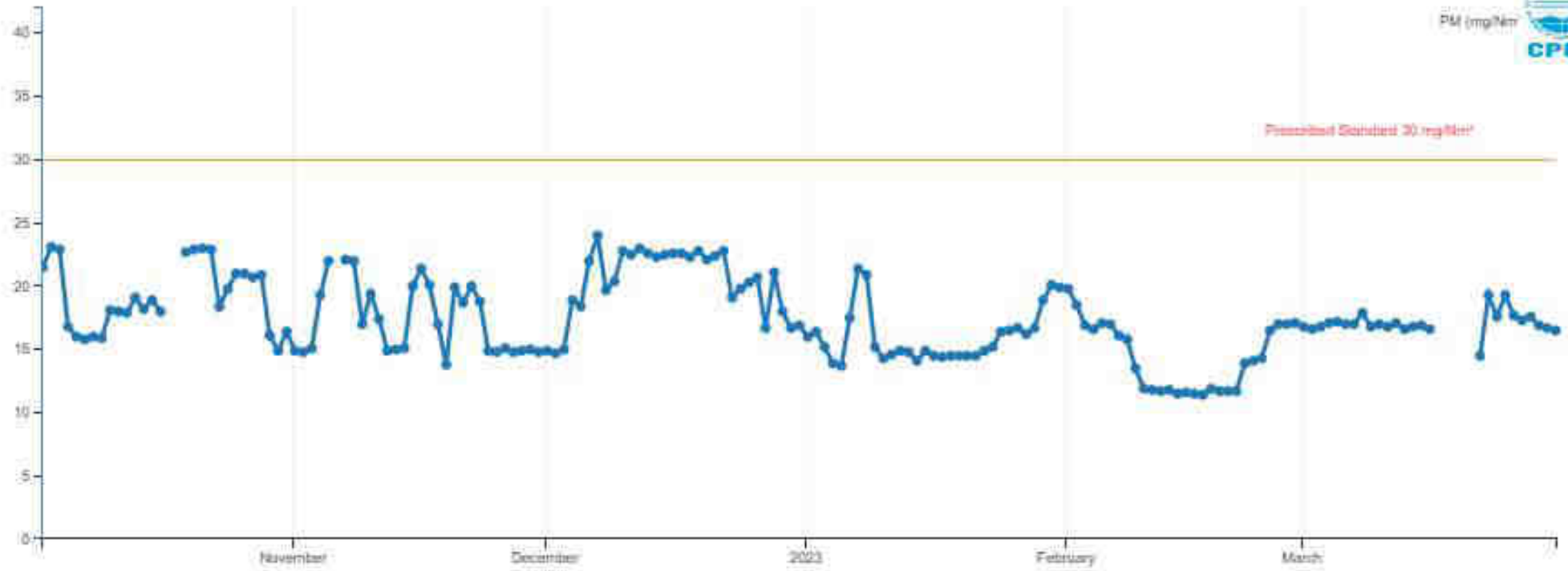
BANSAL CEMENT PRIVATE LIMITED Stack-3_Cement Ball Mill-3

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

Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily





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

TEST REPORT

Name & Address Of the Customer : 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-35/22-23/C/01
	Date	: 04.04.2023
	Sample No.	: QLS/P-35/22-23/01
	Sample Description	: Ambient Air
	Date of performance	: 27.03.2023-04.04.2023
	Ref No. Date	: OMIPL(BANSAL)/QLS/WO/22-23/01, Dated - 06.03.2023

Analysis Result

Location : Near Plant Main Gate		Date of sampling : 23-24.03.2023		
Sampling Done by: P.Mahato		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 ³	79	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	34	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	8.9	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	29.1	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	858	2000	IS: 5182 (Part- 10)- (RA-2017)
NOTE:Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

 for Qualissure Laboratory Services
 Reviewed & Authorized By

 Benimadhab Goral, 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.



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



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

TEST REPORT

Name & Address Of the Customer : 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-35/22-23/C/02 Date : 04.04.2023 Sample No. : QLS/P 35/22-23/02 Sample Description : Ambient Air Date of performance : 27.03.2023-04.04.2023 Ref No. Date :OMIPL(BANSAL)/QLS/WO/22-23/01, Dated - 06.03.2023
---	---

Analysis Result

Location : Mahespur Village		Date of sampling : 23-24.03.2023		
Sampling Done by: P.Mahato		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 ³	74	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	35	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.4	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.1	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	801	2000	IS: 5182 (Part- 10)- (RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

B. Mahato

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

TEST REPORT

Name & Address Of the Customer : 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-35/22-23/C/03
	Date	: 04.04.2023
	Sample No.	: QLS/P-35/22-23/03
	Sample Description	: Ambient Air
	Date of performance	: 27.03.2023-04.04.2023
	Ref No. Date	: OMIPL(BANSAL)/QLS/WO/22-23/01, Dated - 06.03.2023

Analysis Result

Location : Gokulpur Village		Date of sampling : 23-24.03.2023		
Sampling Done by: P.Mahato		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 ³	68	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	35	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.1	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.3	80	IS: 5182 (Part-6)-(RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	778	2000	IS: 5182 (Part-10)-(RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

P. Mahato

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai
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.

CONTINUOUS AMBIENT AIR QUALITY STATION DATA (OCTOBER 2022 TO MARCH 2023)

STATION : PANCHRULIA

ANNEXURE-V



PARAMETER-PM₁₀



Industry Name

Rashmi Metaliks Limited

District

Medinipur

Parameters

Panchrulia_Station-PM2.5

Data

From 2022/10/01 00:01:00 To 2023/03/07 23:59:45

Address

NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

State

West Bengal

Report Format

Graph

City

Kharagpur

Category

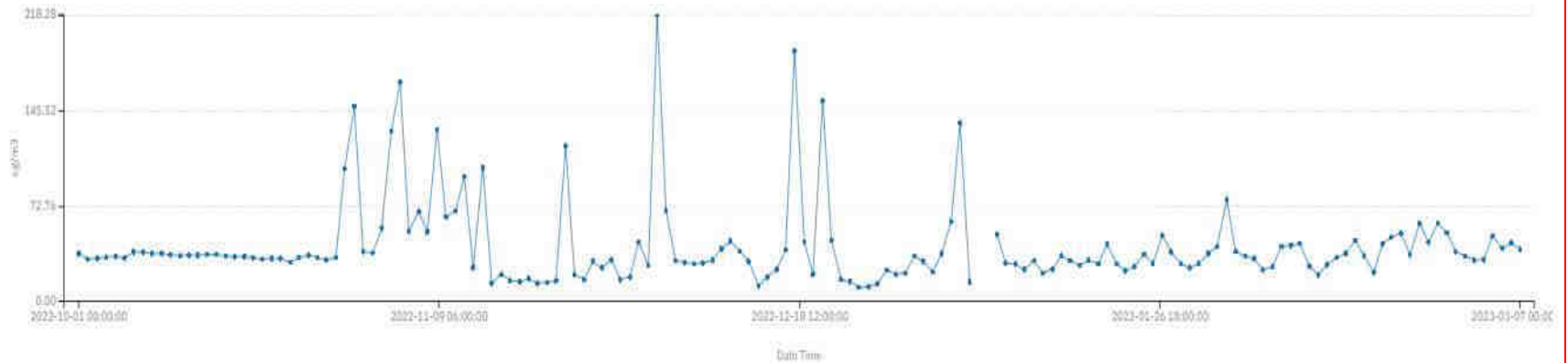
Iron And Steel

Criteria

1-days



Graphical view



Panchrulia_Station-PM2.5_Raw

PARAMETER-PM_{2.5}

Industry Name

Rashmi Metalike Limited

District

Medinipur

Parameters

Panchnulia_Station-CO

Date:

From 2023/10/01 00:01:00 To 2023/03/31 23:59:12

Address

NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

State

West Bengal

Report Format

Graph

City

Kharegpur

Category

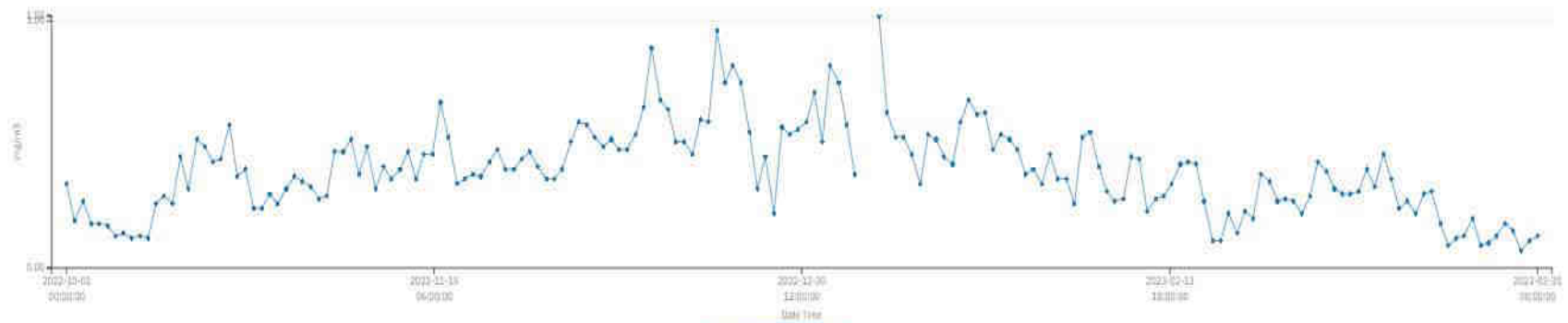
Iron And Steel

Criteria

1-day



Graphical view



Panchnulia_Station-CO_Raw

PARAMETER-CO



Industry Name

Rajhmi Metaliks Limited

District

Medinipur

Parameters

Panchrulia_Station-NOx

Date

From 2022/10/01 00:01:00 To 2023/03/31 23:59:12

Address

NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

State

West Bengal

Report Format

Graph

City

Kharagpur

Category

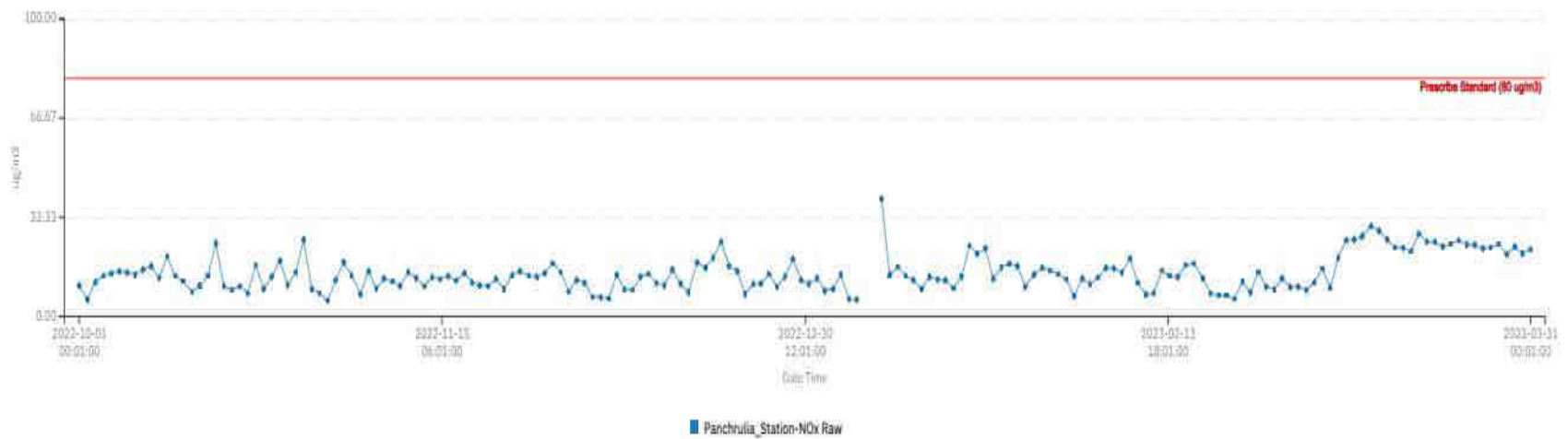
Iron And Steel

Criteria

1-days

Print

Graphical view



PARAMETER-NOx

Industry Name

Raehmi Metaliks Limited

District

Medinipur

Parameters

Panchrulia_Station-SO2

Date:

From 2022/10/01 00:01:00 To 2023/03/31 23:59:12

Address

NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

State

West Bengal

Report Format

Graph

City

Kharagpur

Category

Iron And Steel

Criteria

1-days



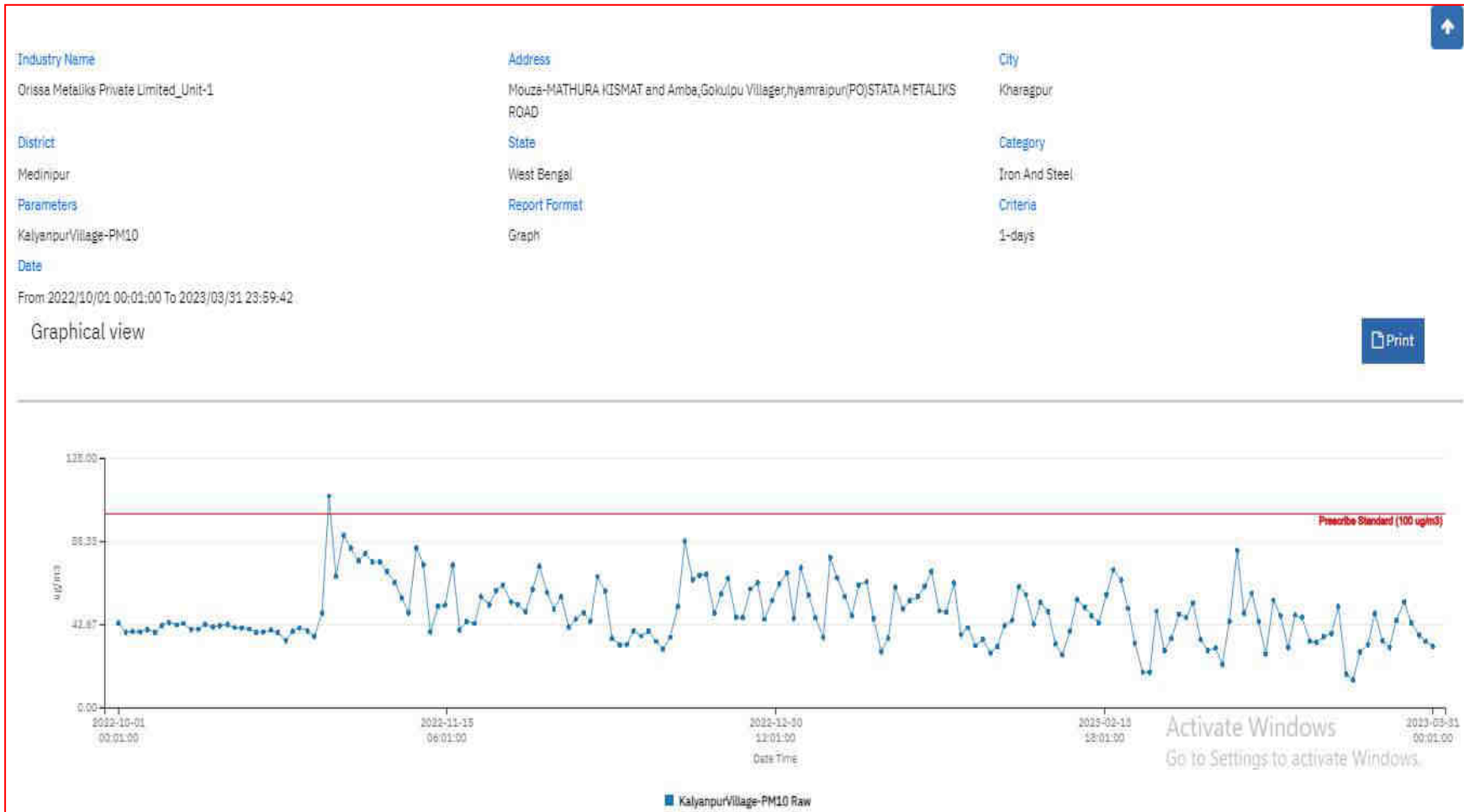
Print

Graphical view



PARAMETER-SO₂

STATION:-KALYANPUR



PARAMETER-PM₁₀



Industry Name

Orissa Metaliks Private Limited_Unit-1

Address

Mouza-MATHURA KISMAT and Amba,Gokulpu Villager,hyamraipur(PO)STATA METALIKS ROAD

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

KalyanpurVillage-PM2.5

Report Format

Graph

Critera

1-days

Date

From 2022/10/01 00:01:00 To 2023/03/31 23:59:42

Graphical view



PARAMETER-PM_{2.5}

Back



Industry Name

Oriessa Metaliks Private Limited_Unit-1

Address

Mouza-MATHURA KISMAT and Amba,Gokulpur Villager,hyamraipur(PO)/STATA METALIKS ROAD

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

KalyanpurVillage-NOx

Report Format

Graph

Criteria

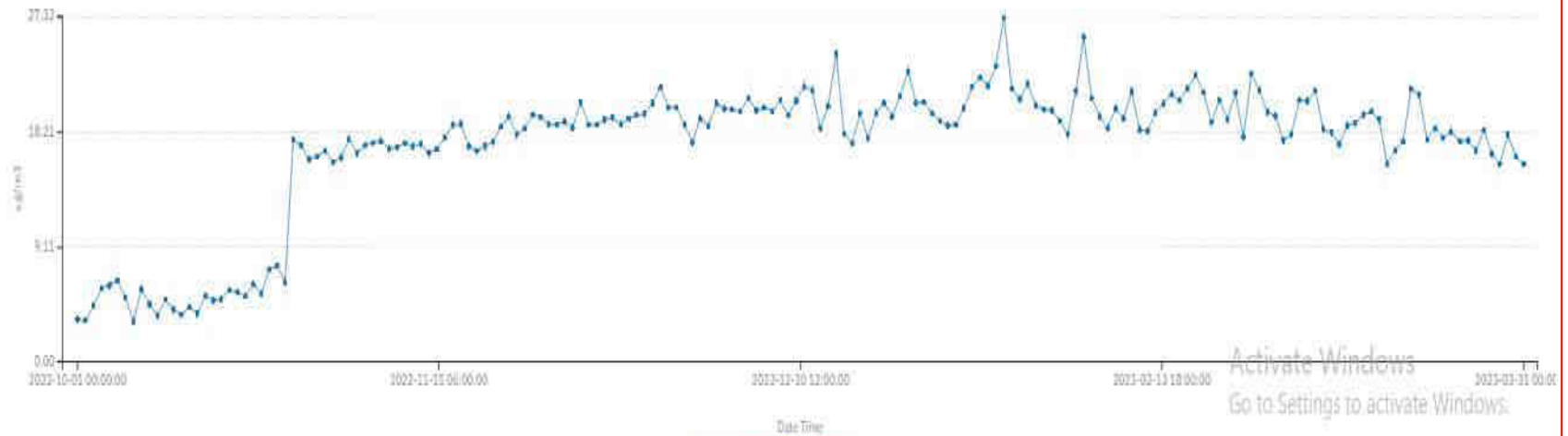
1-days

Date

From 2022/10/01 00:00:00 To 2023/03/31 23:59:42

Print

Graphical view



KalyanpurVillage-NOx_Raw

PARAMETER-NOx



PARAMETER-SO2

STATION : BARKOLA



PARAMETER-PM₁₀

Back



Industry Name

M/S Washmi Alloy Steel Private Limited

Address

NH-6, GUKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station-PM2.5

Report Format

Graph

Criteria

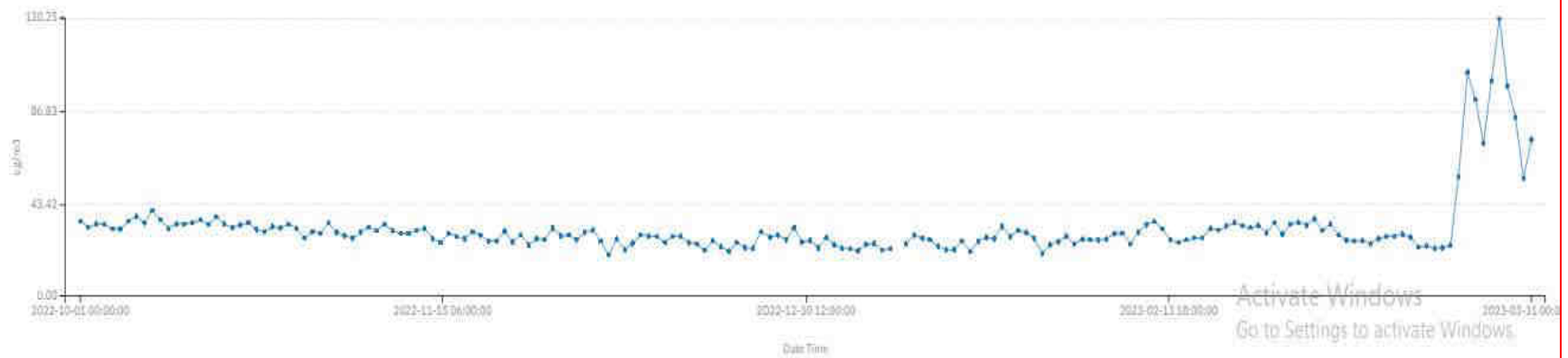
1-days

Date

From 2022/10/01 00:01:00 To 2023/03/31 23:59:17

Print

Graphical view



Barkola_Station-PM2.5_Raw

PARAMETER-PM_{2.5}

Back



Industry Name

M/S Raahmi Alloy Steel Private Limited

Address

NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station-CO

Report Format

Graph

Criteria

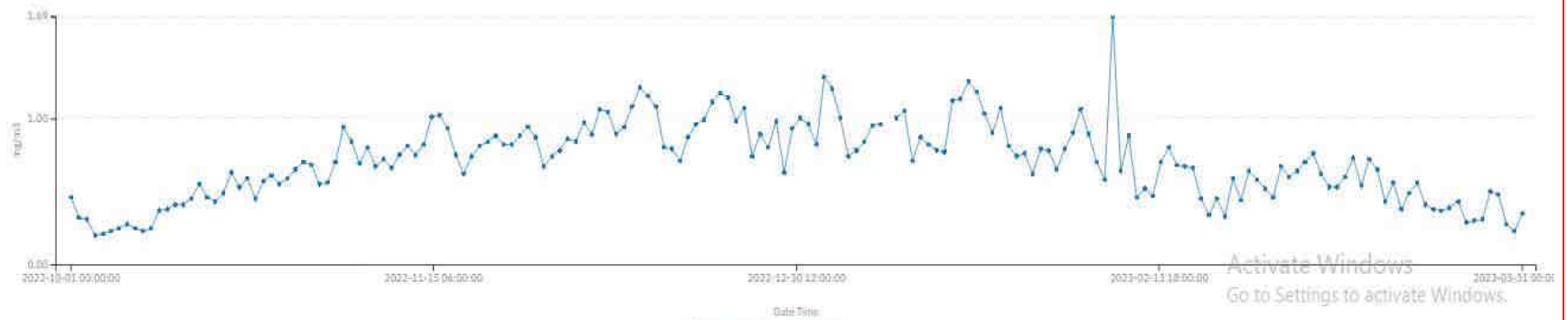
5-days

Date

From 2022/10/01 00:01:00 To 2023/03/31 23:59:17

Print

Graphical view



Barkola_Station-CO_Raw

PARAMETER-CO

Back



Industry Name

M/S Rashmi Alloy Steel Private Limited

Address

NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station+NOx

Report Format

Graph

Criteria

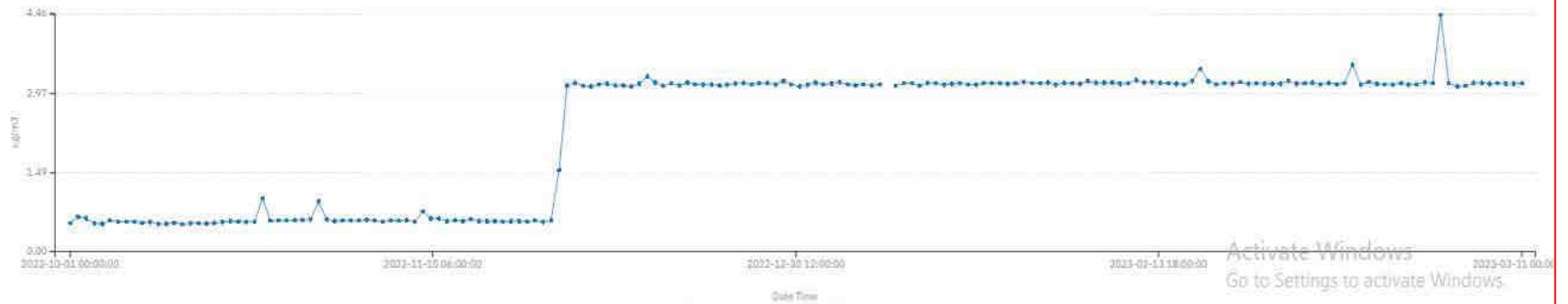
3-days

Date

From 2022/10/01 00:00:00 To 2023/03/31 23:59:17

Graphical view

Print



Barkola_Station-NOx_Raw

Activate Windows
Go to Settings to activate Windows.

PARAMETER-NOx

Back



Industry Name

J/S Rashmi Alloy Steel Private Limited

Address

NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station-SO2

Report Format

Graph

Criteria

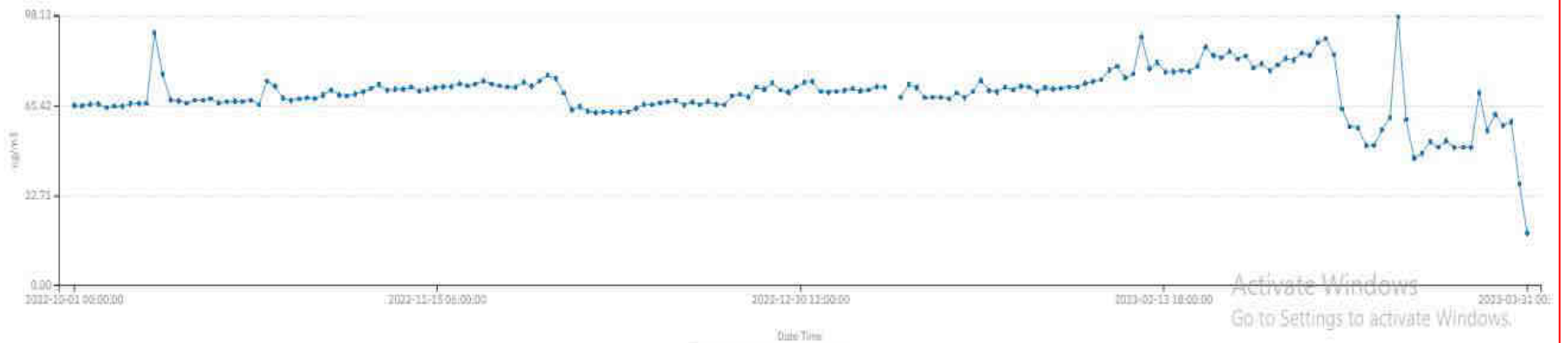
1-days

Date

from 2022/10/01 00:00:00 To 2023/03/31 23:59:17

Print

Graphical view



Barkola_Station-SO2_Raw

PARAMETER-SO2

Station: Rajogram

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

Vill- Gokulpur,PO-Shyamraipur,PS-Kharagpur (L) Dist-Paschim Medinipur Pin-721301

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-PM10

Report Format

Graph

Criteria

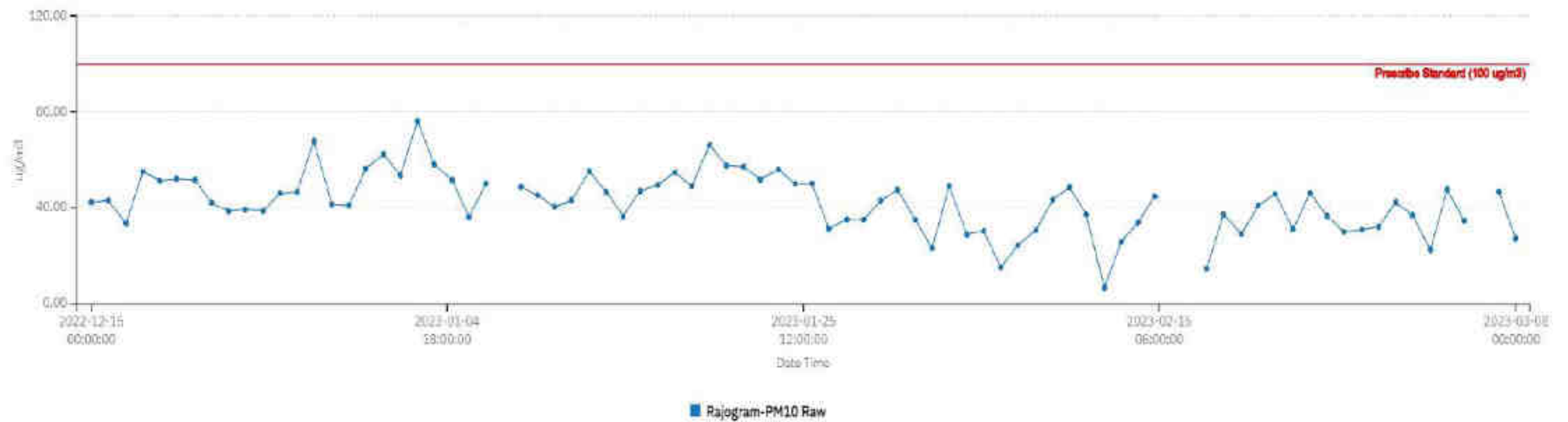
1-days

Date

From 2022/12/15 00:00:00 To 2023/03/08 23:59:38

Graphical view

Print



Industry Name

Orissa Alloy Steel Pvt Ltd

Address

Vill- Gokulpur,PO-Shyamraipur,PS-Kharagour (L) Dist-Paschim Medinipur Pin-721301

City

Kharagour

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-PM2.5

Report Format

Graph

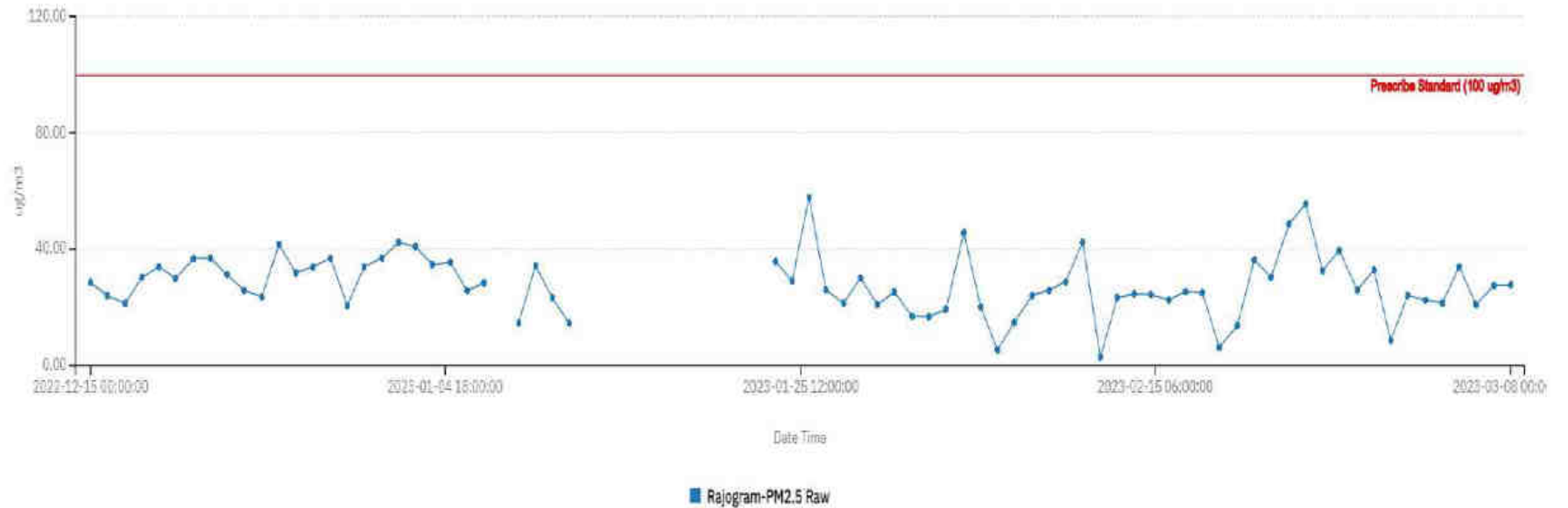
Criteria

1-days

Date

From 2022/12/15 00:00:00 To 2023/03/08 23:59:38

Graphical view



Parameter- PM2.5

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

Vill- Gokulpur,PO-Shyamraipur,PS-Kharagpur (L) Dist-Paschim Medinipur Pin-721301

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-SO2

Report Format

Graph

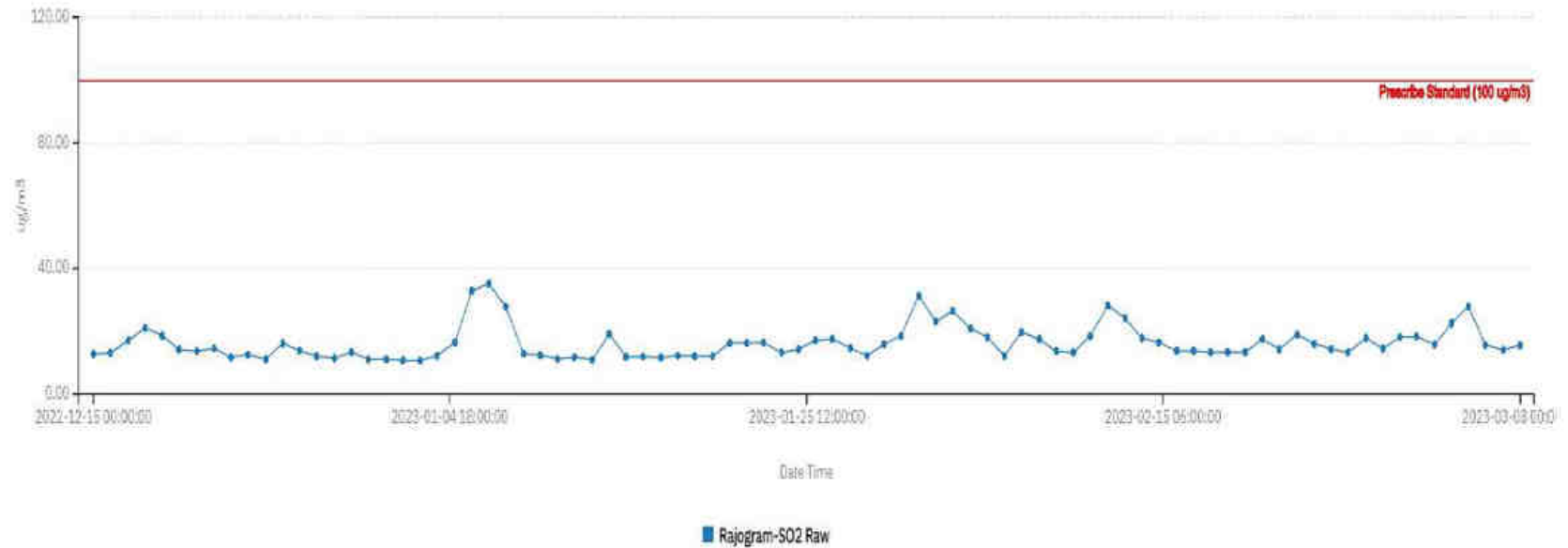
Criteria

1-days

Date

From 2022/12/15 00:00:00 To 2023/03/08 23:59:38

Graphical view



Parameter- SO2

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

Vill- Gokulpur,PO-Shyamraipur,PS-Kharagpur (L) Dist-Paschim Medinipur Pin-721301

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-NOx

Report Format

Graph

Criteria

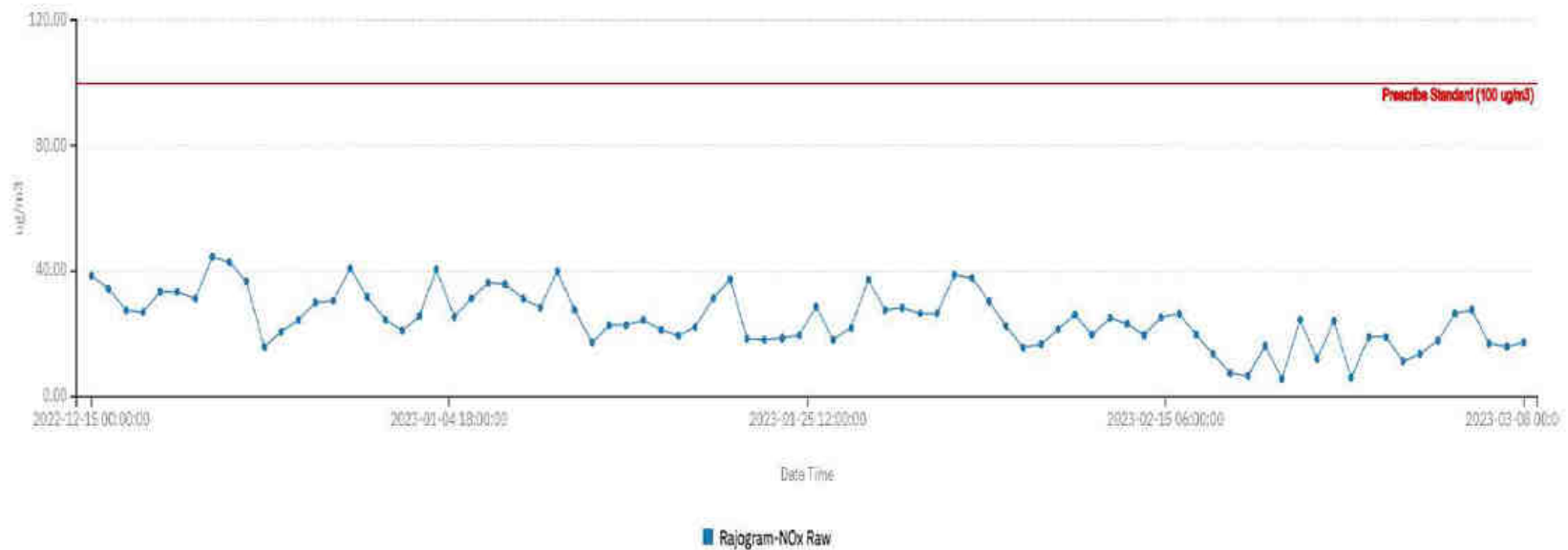
1-days

Date

From 2022/12/15 00:00:00 To 2023/03/08 23:59:38



Graphical view



Parameter- NOx

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

VIII- Gokulpur,PO-Shyamraipur,PS-Kharagour (L) Dist-Paschim Medinipur Pin-721301

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-CO

Report Format

Graph

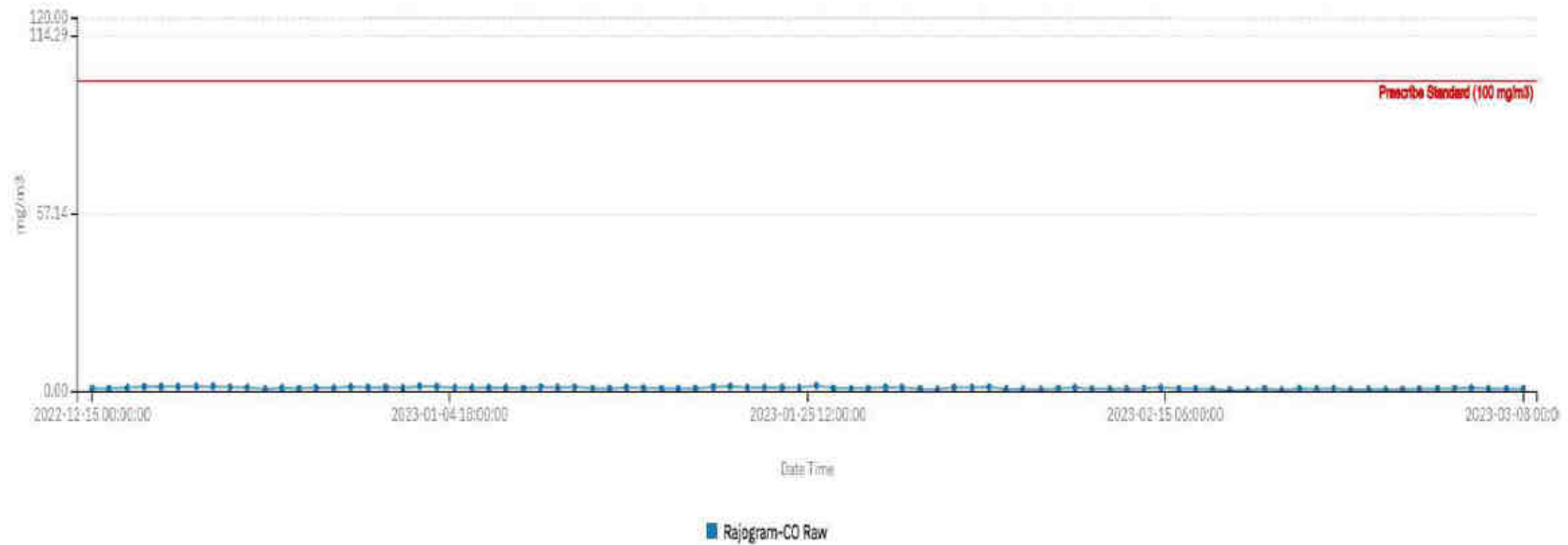
Criteria

1-days

Date

From 2022/12/15 00:00:00 To 2023/03/08 23:59:38

Graphical view



Parameter- CO



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

TEST REPORT

Name & Address Of the Customer : 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-35/22-23/C/04
	Date	: 04.04.2023
	Sample No.	: QLS/P-35/22-23/04-07
	Sample Description	: Fugitive Air
	Date of performance	: 27.03.2023-04.04.2023
	Ref No.	: BCPL/QLS/WO/21-22/01, Dated 23.08.2021

Analysis Result of Fugitive Air

Sampling Done by: P.Mandal			
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	Ball Mill Area-1,2 & 3	23.03.2023	815
05	Packing Section		722
06	Truck Parking Area		645
07	Construction Site		412
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By


Benimadhab Gorai, Chemist
 (Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer : 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.	ULR No.	: TC627123000000573F
	Report No.	: QLS/P-35/22-23/C/09
	Date	: 06.05.2023
	Sample No.	: QLS/P-35/22-23/09
	Sample Description	: Ground Water
	Sample Mark	: Tap Near QC Lab
	Sample Drawn On	: 21.03.2023
	Date of performance	: 22.03.2023-27.03.2023
	Ref No. Date	: DCPL/QLS/WO/21-22/01, Dated - 23.08.2021

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	Not Detected
2.	E. coli/100ml	Not Detectable	IS 15185-2016	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): 1983 (RA 2012)	5	15	<5
2.	Odour	IS 3025 (Part 5): 1983 (RA 2012)	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 1984 (RA 2012)	6.5-8.5	No Relaxation	7.56
4.	Turbidity in NTU	IS 3025 (Part 10): 1984 (RA 2012)	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 1984 (RA 2012)	500	2000	302
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2014)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988 (RA 2014)	0.5	No Relaxation	<0.5
8.	Calcium (as Ca) in mg/l	IS 3025 (Part 40): 1991 (RA 2014)	75	200	52.6
9.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	64.9
10.	Copper (as Cu) in mg/l	IS 3025 (Part 42): 1992 (RA 2014)	0.05	1.5	<0.02
11.	Fluoride (as F) in mg/l	APHA 23rd Edition 2017, 4500 F D	1.0	1.5	<0.1
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 1988 (RA 2014)	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988 (RA 2014)	1.0	No Relaxation	0.37
14.	Magnesium (as Mg) in mg/l	IS 3025 (Part 46): 1994 (RA 2014)	30	100	24.4
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2006 (RA 2014)	0.1	0.3	<0.05
16.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988 (RA 2014)	45	No Relaxation	0.85
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): 1986 (RA 2014)	200	400	31.2
18.	Alkalinity (as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986 (RA 2014)	200	600	206.8
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	233.1
20.	Cadmium (as Cd) in mg/l	IS 3025 (Part 41): 1992 (RA 2014)	0.003	No Relaxation	<0.002
21.	Cyanide (as Cn) in mg/l	IS 3025 (Part 27): 1986 (RA 2014)	0.05	No Relaxation	<0.02
22.	Lead (as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2014)	0.01	No Relaxation	<0.01
23.	Mercury (as Hg) in mg/l	IS 3025 (Part 48): 1994 (RA 2014)	0.001	No Relaxation	<0.001
24.	Arsenic (as As) in mg/l	IS 3025 (Part 37): 1988 (RA 2014)	0.01	No Relaxation	<0.01
25.	Zinc (as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2014)	5	15	0.25
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2014)	0.05	No Relaxation	<0.05

Report Prepared By:

Ray

for Qualissure Laboratory Services
Reviewed & Authorized By



S. Chakraborty
Soumy Chakraborty, Microbiologist
(Authorized Signatory)

for Qualissure Laboratory Services
Reviewed & Authorized By



Bishnu Priya Banerjee, Chemist
(Authorized Signatory)

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BANSAL CEMENT PVT. LTD.

GREENBELT DEVELOPMENT DETAILS

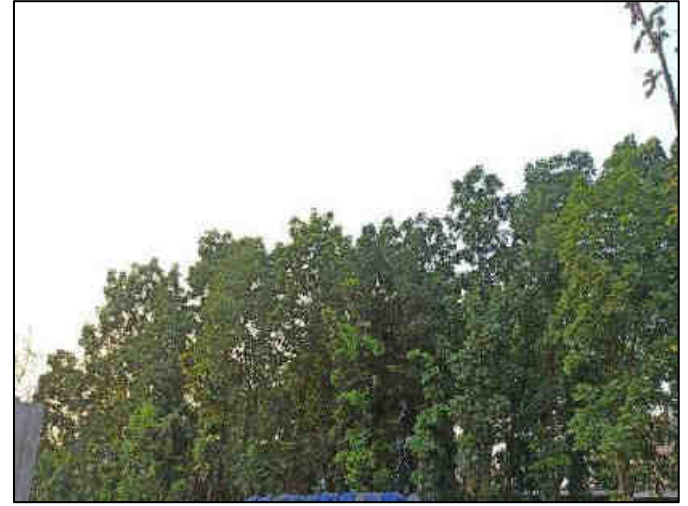
Management has developed greenbelt of 35% (approx.) in and all along the boundary wall. For developing Green Belt @2500 per hectare along and around boundary of the plant sapling/plantation already started. In financial year 2022-23 around 350 nos. of trees/saplings were planted. To speed up the green belt development work additional dedicated manpower has been deployed.

The details are :

PLANTATION DETAILS FY 2022-23							
SL. NO.	SPECIES PLANTED	QUANTITY IN NUMBERS					
1	GULMOHOR	110					
2	CHHATIM	60					
3	NERIUM	90					
4	CASCABELLA	90					
Survival of plantation		Before 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023
Total Seeding / Plantation (No)		****	500	400	910	260	350
Survival Trees (No) as on date of EC		1210	400	380	865	247	343
Survival		****	80%	95%	95%	95%	98%
Total Survival Trees / Sapling Till Date		3445					
Total land Area of Project (Acres)		9.0 Acres					
Greenbelt development as per EC (Acres)		3.1 Acres					
Area Covered under green belt (Acres)		3.1 Acres (35%)					
Area Covered under green belt (%)		35%					

GREENBELT DEVELOPMENT PLAN FOR THE YEAR 2023-2024

Sl. No.	Year	Sapling Nos. (@2500)	Area to be Covered	Species Type	Location
1	FY 2023-24	500	Gap filling and increasing density per acres (@2500)	Bakul, Mahagoni, Kadam, Siris, Palash, Radhachura, Akashmoni, 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.





TEST REPORT

Name & Address Of the Customer : 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-35/22-23/C/08A
	Date	: 04.04.2023
	Sample No.	: QLS/P-34/22-23/08A
	Date of Performance	: 27.03.2023-04.04.2023
	Sample Description	: Noise Monitoring
	Ref No. Date	: BCPL/QLS/WO/21-22/01.
		Dated - 23.08.2021

Monitoring Result of Noise

Sampling Done By: P.Mahato			
Sampling Guidellne : As per IS: 9876: 1981 (RA-2001)			
Location : Bill Mill Area			
Date of Monitoring : 23.03.2023			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	59.5	55.3	58.4
07.00-08.00	69.2	69.1	69.1
08.00-09.00	68.0	60.1	65.3
09.00-10.00	66.9	59.6	64.5
10.00-11.00	69.3	61.3	67.1
11.00-12.00	71.2	62.3	68.4
12.00-13.00	72.1	61.2	68.5
13.00-14.00	70.2	60.9	66.9
14.00-15.00	73.5	58.7	67.3
15.00-16.00	69.6	60.2	66.7
16.00-17.00	70.1	56.7	65.7
17.00-18.00	70.2	56.9	66.2
18.00-19.00	68.0	60.7	65.9
19.00-20.00	66.0	58.9	63.8
20.00-21.00	67.0	56.9	62.6
21.00-22.00	60.8	59.8	60.4
22.00-23.00	60.5	49.8	57.2
23.00-00.00	60.8	56.9	58.7
00.00-01.00	53.2	50.3	52.1
01.00-02.00	58.9	54.1	56.0
02.00-03.00	57.1	50.0	52.1
03.00-04.00	52.3	50.0	51.0
04.00-05.00	52.4	50.7	51.6
05.00-06.00	54.4	52.0	53.3

Report Prepared By:

Kandari

for Qualissure Laboratory Services
 Reviewed & Authorized By



Benimadhab Gorai
 Benimadhab Gorai, Chemist
 (Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metallurgical Industry Private Limited (Formerly Known as Bansal Cement Private Limited) Vill.- Gokulpur, P.O.- Shyamraipur, P.S.- Kharagpur(L), Paschim Midinipur-721301, West Bengal.	Report No.	: QLS/P-35/22-23/C/08B
	Date	: 04.04.2023
	Sample No.	: QLS/P-34/22-23/08B
	Date of Performance	: 27.03.2023-04.04.2023
	Sample Description	: Noise Monitoring
	Ref No. Date	: BCPL/QLS/WO/21-22/01, Dated - 23.08.2021

Monitoring Result of Noise

Sampling Done By: P.Mahato			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Construction Site			
Date of Monitoring : 23.03.2023			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	53.2	50.3	51.7
07.00-08.00	61.2	59.6	60.2
08.00-09.00	64.2	50.9	59.7
09.00-10.00	63.0	58.9	61.4
10.00-11.00	69.8	52.3	63.6
11.00-12.00	61.2	53.6	57.3
12.00-13.00	59.6	53.6	57.0
13.00-14.00	69.6	51.2	60.0
14.00-15.00	70.1	52.3	59.3
15.00-16.00	71.2	59.6	67.7
16.00-17.00	67.3	61.4	65.8
17.00-18.00	70.2	56.8	66.2
18.00-19.00	67.0	57.7	64.2
19.00-20.00	64.9	54.8	62.3
20.00-21.00	66.5	56.5	63.9
21.00-22.00	62.2	56.8	60.1
22.00-23.00	63.0	54.5	60.7
23.00-00.00	60.3	51.0	56.4
00.00-01.00	56.6	53.3	54.8
01.00-02.00	56.7	49.9	53.1
02.00-03.00	50.8	48.8	49.8
03.00-04.00	49.9	45.2	47.3
04.00-05.00	49.6	49.2	49.4
05.00-06.00	54.2	51.6	52.8

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By



[Signature]
Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metallurgical Industry Private Limited (Formally Known as Bansal Cement Private Limited) VIII.- Gokulpur, P.O.- Shyamnraipur, P.S.- Kharagpur(L), Paschim Midinipur 721301, West Bengal.	Report No.	: QLS/P-35/22-23/C/10
	Date	: 04.04.2023
	Sample No.	: QLS/P-34/22-23/10(A-B)
	Date of Performance	: 27.03.2023-04.04.2023
	Sample Description	: Noise Monitoring
	Ref No. Date	: BCPL/QLS/WO/21-22/01, Dated - 23.08.2021

Monitoring Result of Noise

Sampling Guideline : As per IS: 9876: 1981 (RA-2001)				
Sampling done by: P.Mandal				
Date of Sampling : 20.03.2022				
Sl. No	Sample location	LMax dB (A)	LMin dB (A)	Avg. dB (A)
10A	Near Plant Main Gate	68.5	46.5	56.3
10B	Risha Village	65.5	41.3	50.7

Report Prepared By:

Kanika

for Qualissure Laboratory Services

Reviewed & Authorized By



Brij

**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.