

Six Monthly (December-2023) Compliance Report for Period April 2023 to September 2023 for Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal

1 message

ORISSA METALIKS <orissametalikspvtltd@gmail.com> Tue, Nov 28, 2023 at 7:00 PM
To: "roez.bsr-mef@nic.in" <roez.bsr-mef@nic.in>, iro.kolkata-mefcc@gov.in, ms@wbpcb.gov.in, Monitoring Cell <monitoring-ec@nic.in>
Bcc: environment RML <environment@rashmigroup.com>, Biswanath Sharma <biswanath@rashmigroup.com>, bijayen.srivastava@rashmigroup.com, subhechha.adhikary@rashmigroup.com

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from April 2023 to September 2023 of EC no.- **J-11011/229/2007-I (A)-II (I)** dated 07.07.2021 and 16.03.2022 for Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal being operated by name of **M/s Orissa Metaliks Private Limited (Unit-II)**.

As per Environment Clearance, Special 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 to follow all the Rules & Regulations.

Hope you will find the same in order.

With warm Regards,

Authorised Signatory

M/s. Orissa Metaliks Private Limited (UNIT-II)

1, Garstin Place, 'Orbit House', Room No-3B, Kolkata-700001

Tel : 91 33-22894255/ 56

Fax : 91 33-22894254

Mbl. No-07044070948



Compliance MBF-OMPL-II_DEC-2023.pdf

7138K

Ref. OMPL-II/ENV COMPL / December-2023

Date: 28.11.2023

To,

- a) **Regional Office,
Ministry of Environment, Forests & Climate Change, Bhubaneswar
A/3 Chandrasekharpur,
Bhubaneswar – 751023, Odisha**
- b) **Sub Office, Kolkata
(Under Regional Office, MoEF&CC, Bhubaneswar)
Kolkata IB – 198, Sector-III, Salt Lake City– 700106,
West Bengal**

Sub. Six Monthly (December-2023) Compliance Report for Period April 2023 to September 2023 for Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal.

Ref: - EC: letter no. J-11011/229/2007-I (A)-II (I) dated 07.07.2021& 16.03.2022

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With reference to the above, we are hereby submitting the six monthly compliance reports for period from April 2023 to September 2023 of EC no.- **J-11011/229/2007-I (A)-II (I)** dated 07.07.2021 and 16.03.2022 for Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal being operated by name of **M/s Orissa Metaliks Private Limited (Unit-II)**.

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

Hope you will find the same in order.

Thanking you.

Yours Faithfully,

For, **M/s Orissa Metaliks Private Limited**

Authorized Signatory

C.C:-

1. **The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhawan,10A Block – LA, Sector – III, Kolkata – 700 91**
2. **Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, Lodi Road New Delhi - 110 003**

Enclosures: -

1. Compliance Report for EC
2. Copy of Ambient Air Monitoring Report as Annexure-I.
3. Data of OCEMS connected with major stacks as Annexure-II.
4. Stack Monitoring report as Annexure-III.
5. Copy of Fugitive Emission Report as Annexure-IV.
6. Green Belt Development Detail as Annexure-V
7. Six Monthly CAAQMS report from all the three stations as Annexure-VI.
8. Copy of Ambient & Work Noise Monitoring Report Annexure-VII.
9. OHS Record as Annexure-VIII.
10. Effluent analysis Report as Annexure-IX.

SIX MONTHLY COMPLIANCE REPORT (December-2023)

FOR

**Project Name- Mini Blast Furnace (1 x 320 m³)-4,50,000
TPA with matching PCM and 200 TPD oxygen plant at
Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur
(Local) District West Medinipur, West Bengal operated by
name of M/s Orissa Metaliks Private Limited (Unit-II).**

**E.C. NO.- J-11011/229/2007-I (A) dated
07.07.2021 & 16.03.2022**

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



M/s ORISSA METALIKS PRIVATE LIMITED

1, GRASTIN PLACE, ORBIT HOUSE

3rd FLOOR, ROOM NO -3B KOLKATA – 700 001

WEST BENGAL

Phone No.-033 – 22438518

Email id-orissametalikspvtltd@gmail.com

Your application has been **Submitted** with following details

Proposal No	SW/1659/2021
Compliance ID	27315005
Compliance Number(For Tracking)	EC/M/COMPLIANCE/27315005/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	28-11-2023
IRO Name	ARTATRANA MISHRA
IRO Email	jhk109@ifs.nic.in
State	WEST BENGAL
IRO Office Address	Budgam

Note:- SMS and E-Mail has been sent to ARTATRANA MISHRA, WEST BENGAL with Notification to Project Proponent.

[Back](#)

View Compliance Report at Project Proponent

Proposal Details

Proposal No	SW/1659/2021	Category	Industrial Projects - 1
Proposal Name	Mini Blast Furnace (1 x 320 m3)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.S- Kharagpur (Local) District West Medinipur, West Bengal.		
Plot / Survey/ Khasra No.		Village(s)	
Sub-District(s)			
State	WEST BENGAL	District	24?PARAGANAS?NORTH
MoEF File No	J-11011/604/2010-IA II(I)	Name of the Entity/ Corporate Office	Orissa Metaliks Pvt. Ltd
Entity's PAN	NA		
Entity Name as per PAN	NA	Entity details mentioned above is correct ?	

Covering Letter

Covering Letter [Click to View](#)

Compliance Reporting Details

Reporting Year	2023	Reporting Period	01 Dec(01 Apr - 30 Sep)
Remark(if any)	Compliance Report for Period April 2023 to September 2023 for Mini Blast Furnace (1 x 320 m3)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal		

Details of Production and Project Area

Date of Commencement of Project/Activity 03-05-2018

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0.81	0.81
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0.81	0.81

PRODUCTION CAPACITY

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Hot Metal	Tons per Annum (TPA)	450000	450000	Memo no. - 355-235-hl-co-r/2022	07-04-2022	448406.03

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	WATER QUALITY MONITORING AND PRESERVATION	608 KLD water is required for MBF with oxygen plant and it is/will be sourced from bore well, Rainwater Harvesting pond and waste water.Zero effluent discharge shall be strictly followed and no wastewater discharged outside the premises.	PPs Submission	? OMPL has already obtained adequate ground water extraction permission from State Water Investigation Department (SWID) West Bengal, for ground water, surface water from Kansabati River, rain water harvesting pond & nalla/ waste water from Kharagpur Municipality. ? The plant has been designed as ?Zero ?effluent discharged concept. Primary ETP plant is installed in plant water from slag pit is recycled back to the process. No waste water is discharged outside the premises. Water is recycled and reused for dust suppression and green belt development. Being Complied Attachment: NA
2	WATER QUALITY MONITORING AND PRESERVATION	608 KLD water is required and it is /will be sourced from bore well, rain water harvesting	PPs Submission	? OMPL has already obtained adequate ground water extraction permission from State Water Investigation Department (SWID) West Bengal, for ground water,

		pond and waste water.		surface water from Kansabati River, rain water harvesting pond & nalla/waste water from Kharagpur Municipality. ? The plant has been designed as ?Zero ?effluent discharged concept. Primary ETP plant is installed in plant water from slag pit is recycled back to the process. No waste water is discharged outside the premises. Water is recycled and reused for dust suppression and green belt development. Being Complied Attachment: NA
3	WASTE MANAGEMENT	All the blast furnace (BF) slag shall be granulated and provided to cement manufactures for further utilization. SMS slag shall be properly utilized. All other solid waste including broken refractory mass shall be properly disposed of in environment friendly manner.	PPs Submission	Slag generated from MBF is used for Cement Manufacturing in associate company Being Complied Attachment: NA
4	WASTE MANAGEMENT	Coal and coke fines shall be recycled and reused in the process iron ore, fluxes, mill scale etc. Shall be recycled to sinter plant to produce sinter waste oil shall be sold to authorized recyclers / reprocesses	PPs Submission	? Used oils are industrial lubricating oils are stored in closed barrels with appropriate seal and stored in a designated HW Facility and is being sold to authorized vendor. ? Contaminated cotton and wiping clothes collected from all units is sent to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) Being Complied Attachment: NA
5	WASTE MANAGEMENT	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	PPs Submission	Because of use of better quality of raw material and process optimization there is a reduction in solid waste generation. A time bound action plan to reduce solid waste. Being Complied Attachment: NA
6	GREENBELT	As proposed green belt shall be developed in 33%	PPs Submission	MBF and oxygen plant for which Environment Clearance accorded by

		<p>area within and around the plan premises as per the CPCB guidelines in consultation with DFO.</p>		<p>MoEFCC, New Delhi vide even letter dated 07.07.2021& 16.03.2022 is being setup in plant premises of M/s Orissa Metaliks Pvt. Ltd having other facilities (Pellet plant, I/o beneficiation, P Gasifier etc.) on land measuring 70 acres. MBF and oxygen plant is setup on land area of 2 acres. 34.0% of total plant area of 70 acres i.e. 23.80 acres (which includes 0.66 acres (33% of 2 acres land also) is earmarked for greenbelt development. Green belt with 20 m width and density of 2500 per hectare along and around boundary of the site towards the highway already started. In financial year 2023-24 (from April to End of September), around 200 saplings were planted and the survival rate is 89 %. To fill the gap of green belt. Being Complied Attachment: NA</p>
			PPs Submission	<p>MBF and oxygen plant for which Environment Clearance accorded by MoEFCC, New Delhi vide even letter dated 07.07.2021& 16.03.2022 is being setup in plant premises of M/s Orissa Metaliks Pvt. Ltd having other facilities (Pellet plant, I/o beneficiation, P Gasifier etc.) on land measuring 70 acres. MBF and oxygen plant is setup on land area of 2 acres. 34.0% of total plant area of 70 acres i.e. 23.80 acres (which includes 0.66 acres (33% of 2 acres land also) is earmarked for greenbelt development. Green belt with 20 m width and density of 2500 per hectare along and around boundary of the site towards the highway already started. In financial year 2023-24 (from April to End of September), around 200 saplings were planted and the survival rate is 89 %. To fill the gap of green belt. Being Complied Attachment: Click to View</p>
7	Corporate Environmental Responsibility	All the recommendations made in the Charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants	PPs Submission	<p>CREP being complied in time bound frame. Being Complied Attachment: NA</p>

		shall be implemented		
8	WASTE MANAGEMENT	All the slag generated from the blast furnace should be granulated and used in cement plants.	PPs Submission	Slag generated from MBF is used for Cement Manufacturing in associate company (M/s Rashmi Cement Limited, Jhargram & M/s Orissa Metallurgical Industry Pvt. Ltd. (Formerly Bansal Cement Pvt. Ltd.), Kharagpur. Being Complied Attachment: NA
9	AIR QUALITY MONITORING AND PRESERVATION	Adequate air pollution control measures as noted in Environment plan need be complied.	PPs Submission	? Existing MBF is equipped with cyclone separator, bag filters, and de dusting system. Bag houses are design to meet the standard below prescribed limit. ? Dust extraction system comprising of Dedusting System including pulse jet bag filters is provided to the blast furnace stock house, bag filters is provided at the transfer points to control fugitive emissions and dust suppression system is provided to control dust from raw material handling and storage area. Being Complied Attachment: NA
10	WATER QUALITY MONITORING AND PRESERVATION	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline	PPs Submission	Company has got water withdrawal permission of surface water from State Water Investigation Directorate (SWID), West Bengal from Kansai River. Laying of pipeline from River Kansabati to the industry is completed and water extraction from 02 no. of bore wells on Kasai River bed is already started. Scheme for integrated water distribution networks between industrial units of the Group with respect to surface water drawal from Kansabati river is already submitted vide letter OMPL/ENV COMPL/June-2021 dated 27.05.2021. Being Complied Attachment: NA
11	AIR QUALITY MONITORING AND PRESERVATION	Emission level from Bag filter and ESP shall be 30 mg/Nm ³ .	PPs Submission	Stack monitoring is carried out on regular basis by W.B.P.C.B/ NABL authorized laboratories. Latest Analysis report & OCEMS data is already attached

				Being Complied Attachment: NA
12	WATER QUALITY MONITORING AND PRESERVATION	Zero liquid discharge shall be adopted	PPs Submission	Plant is designed as a Zero Discharge plant. Water is mainly used for cooling purpose & slag granulation. After evaporation loss the quantum of remaining water is sent to the cooling tower in order to reuse the water again. Blow down water from cooling tower is used for dust suppression. No water is discharged outside the plant premises. Effluent generated from slag granulation is treated in primary ETP and is reused in process, for dust suppression & green belt development. Being Complied Attachment: NA
13	WASTE MANAGEMENT	100% waste utilization shall be followed.	PPs Submission	MBF Slag Used in Cement Plant of associate company, Cement Manufacturing GCP Dust & Sludge Used in Sinter Plant of associate company and also for Brick Manufacturing, Land levelling Being Complied Attachment: NA
14	GREENBELT	Green belt shall cover 33% of the total area in the plant site.	PPs Submission	The detail is already mentioned Being Complied Attachment: NA
15	AIR QUALITY MONITORING AND PRESERVATION	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below 100	PPs Submission	Adequate Measures have been taken by management for reducing the RSPM levels in the ambient air like. 1. Fixed water sprinklers and water guns are provided at the potential internal roads and raw materials handling areas. 2. Mobile water sprinklers tanker and one number of movable water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission. 3. Water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. 4. Dedicated street swiping machine is being used and Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2

Mg/Nm³. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, CPCB and W.B Pollution Control Board (WBPCB) once in six months.

times a day to 04 times a day). 5. Pneumatic APC dust handling system is in place. 6. All conveyor belts, vibrating screens and transfer points are covered with sheets for preventing the fugitive emissions. Management of OMPL (MBF) has installed OCEMS (PM, Gaseous) with remote calibration system in the major stacks as per CPCB guide line and data is being transferred to CPCB central Server. Existing MBF is equipped with cyclone separator, bag filters, and de dusting system. Bag houses are design to meet the standard below prescribed limit. 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) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB. Regular reports of Monitoring and compliance are submitted to Ministry at regional office. Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached
Being Complied
Attachment: [Click to View](#)

PPs Submission	Six monthly data of OCEMS data is enclosed Being Complied Attachment: Click to View
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16

AIR QUALITY MONITORING AND PRESERVATION

Dust extraction system comprising of dry fog system including pulse jet bag filters shall be provided to the blast furnace stock house. Dust extraction system shall also be provided to blast furnace Gas cleaning system and fume extraction system shall be provided to the electric arc furnace (EAF). Bag

PPs Submission	Dust extraction system comprising of Dedusting System including pulse jet bag filters is provided to the blast furnace stock house, bag filters is provided at the transfer points to control fugitive emissions and dust suppression system is provided to control dust from raw material handling and storage area. Stack monitoring is carried out on regular basis by W.B.P.C.B/ NABL authorized laboratories. Latest Analysis report is attached Being Complied Attachment: Click to View
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		filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control duct from raw material handling and storage area.			
17	AIR QUALITY MONITORING AND PRESERVATION	Gaseous emission levels including secondary fugitive emissions from all the sources should be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed.	<table border="1"> <tr> <td>PPs Submission</td> <td>To control Gaseous emission levels including secondary fugitive emissions from all the sources within the latest permissible limits steps adopted by company are: i. Adequate capacity Dust suppression system and bag filters are installed at conveyor and transfer points, product handling, loading and unloading points. ii. Fixed water sprinklers/ water gun installed in the critical areas like internal roads, plant area, railway siding and raw materials handling area for effectively controlling the fugitive emission. iii. Dedicated water spraying tanker is in use. Internal roads concreted with proper drainage system to reduce fugitive emission because of movement of trucks. iv. Movable water mist fog system is being used in order to reduce the fugitive dust. v. Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased from 02 times a day to 04 times a day. vi. Dedusting system at casting area is installed. Fugitive emission monitoring for the plants is carried out on regular basis by WBPCB/NABL authorized laboratories. Recently fugitive Emissions have been monitored at MBF & oxygen Plant Area, Railway Siding & Product House Area by third party monitoring agency M/s Greenvision Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory has done the analysis. Monitoring reports for month of September 2023 are attached Being Complied Attachment: Click to View</td> </tr> </table>	PPs Submission	To control Gaseous emission levels including secondary fugitive emissions from all the sources within the latest permissible limits steps adopted by company are: i. Adequate capacity Dust suppression system and bag filters are installed at conveyor and transfer points, product handling, loading and unloading points. ii. Fixed water sprinklers/ water gun installed in the critical areas like internal roads, plant area, railway siding and raw materials handling area for effectively controlling the fugitive emission. iii. Dedicated water spraying tanker is in use. Internal roads concreted with proper drainage system to reduce fugitive emission because of movement of trucks. iv. Movable water mist fog system is being used in order to reduce the fugitive dust. v. Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased from 02 times a day to 04 times a day. vi. Dedusting system at casting area is installed. Fugitive emission monitoring for the plants is carried out on regular basis by WBPCB/NABL authorized laboratories. Recently fugitive Emissions have been monitored at MBF & oxygen Plant Area, Railway Siding & Product House Area by third party monitoring agency M/s Greenvision Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory has done the analysis. Monitoring reports for month of September 2023 are attached Being Complied Attachment: Click to View
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General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Statutory compliance	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	PPs Submission	Adequate measure has been taken by management of OMPL for pollution control and complying with all condition issues by Central Pollution Control Board and State Pollution Control Board. Reports of Monitoring and compliance are submitted to WBPCB on regular basis. Being Complied Attachment: NA
2	Statutory compliance	No further expansion or modifications in the plant shall be carried but without prior approval of the Ministry of Environment and Forests.	PPs Submission	In compliance to this point amendment in EC No. J-11011/227/2007-I (A) dated: 12.6.2008, 10.12.2008, 12.02.2015, 06.01.2017, 30.08.2018 & 26.12.2019 obtained by ministry vide EC no. - J-11011/229/2007-I (A) dated 07.07.2021. Also No increase in pollution load certificate? under clause 7(II) b of EIA Notification obtained from WBPCB vide memo no.131-2N-29/2019(E)-Pt.II dated 16.03.2022 for increase in production capacity of existing plant. Being Complied Attachment: NA

3	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	PPs Submission	All the necessary measures have been adopted by management of OMPL-II for preventing the gaseous emission on priority basis. The load mass-based standards for the financial year 2022-23 is calculated and submitted with environmental statement in prescribed format to WBPCB vide letter no. OMPL(UNIT-II)/ENV_Statement/2023-2024 dated 23.09.2022. Being Complied Attachment: NA
4	AIR QUALITY MONITORING AND PRESERVATION	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2, and NOx are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	PPs Submission	CAAQMS report from all the stations are attached Being Complied Attachment: Click to View
			PPs Submission	As stated in point no-I of specific condition, 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) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB. Data on ambient air quality and stack emission is regularly submitted to this Ministry including its Integrated Regional Office, Kolkata and the WBPCB & CPCB. Last report submitted with six monthly compliance report -OMPL/ENV COMPL/June-2022 dated 19.05.2022. Being Complied Attachment: NA
5	WATER QUALITY MONITORING AND PRESERVATION	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated	PPs Submission	Effluent report is enclosed. Being Complied Attachment: Click to View

		19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	PPs Submission	The plant is designed as Zero Discharge Plant. Water in MBF plant is used for cooling purpose and Slag granulation and is recycled back in process after primary treatment. Being Complied Attachment: NA
6	Corporate Environmental Responsibility	Occupational health surveillance of then workers shall be done on a regular basis and records maintained as per the Factories Act.	PPs Submission	The OHS record is being enclosed Being Complied Attachment: Click to View
			PPs Submission	Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948. Company is ISO 45001:2018 certified. Being Complied Attachment: NA
7	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	PPs Submission	Orissa Metaliks (P) Limited Unit-II has developed 02 nos..)rain water harvesting ponds 30,000 KL (each) in plant premises and harvested water are being used in dust suppression, greenbelt development. Being Complied Attachment: NA
8	Corporate Environmental Responsibility	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	PPs Submission	The project proponent is fully committed in socio economic development activities of the surrounding villages and CSR activities are being continuously done throughout the year. In financial year 2022-23, OMPL company has spent Rs. 2, 23, 00,000 under the head of CSR/CER. Being Complied Attachment: NA

9	Corporate Environmental Responsibility	<p>Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.</p>	PPs Submission	<p>Requisite fund is earmarked towards capital cost and annual recurring cost for implementing the environmental protection measures. Recurring Cost Incurred on Environmental Safeguard Narration Amount (INR)2022-2023(Till Sept.) Green Belt Development Maintenance, labour cost etc.-100000 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 -75,000.00 O & M on A.P.C Devices (Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.)-97,00,500.0 TOTAL-99,95,500 Being Complied Attachment: NA</p>
10	Statutory compliance	<p>A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad /Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter also is put on the website of the company by the proponent.</p>	PPs Submission	<p>Copies of EC dated 07.07.2021 w.r.t amendment in EC were submitted to DM, Paschim Medinipur vide letter dated 20.07.2021 and EC copy also uploaded on the website of the company http://orissametaliks.com/qehs.html. Copy of intimation letter submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-II/ENV_COMPL/December-2022 dated 19.11.2022. Complied Attachment: NA</p>
11	Statutory compliance	<p>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. It shall simultaneously be sent to the Regional Office of the</p>	PPs Submission	<p>Monitoring of criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters is done by NABL/ MOEF accredited laboratory. Emission levels of pollutants of different units is displayed on board maintained as per CPCB format issued vide File</p>

		MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely PM ₀ ,SO ₂ ,NO _x)ambient levels as well 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.	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 https://www.rashmigroup.com/ehs/ . Being Complied Attachment: NA		
12	MISCELLANEOUS	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environment conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	<table border="1"> <tr> <td>PPs Submission</td> <td>Regular reports of Monitoring and compliance are submitted to Ministry at regional office. The details of submission are enclosed here with. Being Complied Attachment: NA</td> </tr> </table>	PPs Submission	Regular reports of Monitoring and compliance are submitted to Ministry at regional office. The details of submission are enclosed here with. Being Complied Attachment: NA
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13	MISCELLANEOUS	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	<table border="1"> <tr> <td>PPs Submission</td> <td>All the necessary measures have been adopted by management of OMPL for preventing the gaseous emission on priority basis. The environmental statement in prescribed format for the financial year 2022-23 is submitted to WBPCB vide letter no. OMPL (UNIT-II)/ENV_Statement/2023-2024 dated 26.09.2023 and also uploaded on the website of the company http://orissametaliks.com/qehs.html. Complied Attachment: NA</td> </tr> </table>	PPs Submission	All the necessary measures have been adopted by management of OMPL for preventing the gaseous emission on priority basis. The environmental statement in prescribed format for the financial year 2022-23 is submitted to WBPCB vide letter no. OMPL (UNIT-II)/ENV_Statement/2023-2024 dated 26.09.2023 and also uploaded on the website of the company http://orissametaliks.com/qehs.html . Complied Attachment: NA
PPs Submission	All the necessary measures have been adopted by management of OMPL for preventing the gaseous emission on priority basis. The environmental statement in prescribed format for the financial year 2022-23 is submitted to WBPCB vide letter no. OMPL (UNIT-II)/ENV_Statement/2023-2024 dated 26.09.2023 and also uploaded on the website of the company http://orissametaliks.com/qehs.html . Complied Attachment: NA				
14	PUBLIC HEARING	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at	<table border="1"> <tr> <td>PPs Submission</td> <td>Advertisement within seven days from the date of issue of the Environment clearance amendment & part transfer in two local newspapers that are widely circulated in the region are made. The details are: ? Aajkal (Bengali Version) dated 10.07.2021 ? Echo of</td> </tr> </table>	PPs Submission	Advertisement within seven days from the date of issue of the Environment clearance amendment & part transfer in two local newspapers that are widely circulated in the region are made. The details are: ? Aajkal (Bengali Version) dated 10.07.2021 ? Echo of
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		<p>http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwards to the Regional office at Bhubaneswar.</p>		<p>India (English version) dated 10.07.2021 Copy of the advertisement is already submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-II/ENV_COMPL/June-2022 dated 01.12.2021. Complied Attachment: NA</p>
15	MISCELLANEOUS	<p>Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.</p>	PPs Submission	<p>Company is a private company and no finance is needed from outside. Complied Attachment: NA</p>
16	MISCELLANEOUS	<p>The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.</p>	PPs Submission	<p>Noted Complied Attachment: NA</p>
17	MISCELLANEOUS	<p>The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.</p>	PPs Submission	<p>Noted Complied Attachment: NA</p>
18	Corporate Environmental Responsibility	<p>Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Green Tribunal Act, 1977.</p>	PPs Submission	<p>Noted Complied Attachment: NA</p>
19	MISCELLANEOUS	<p>The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.</p>	PPs Submission	<p>Noted Complied Attachment: NA</p>

20	MISCELLANEOUS	Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).	PPs Submission	In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment , banner and flex are displayed at suitable place like work place, canteen, parking area etc. Being Complied Attachment: NA
21	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall comply with the strict emission norms of 30 mg/Nm ³ .	PPs Submission	Stack monitoring is carried out on regular basis by W.B.P.C.B/ NABL/ MoEF authorized laboratories. Also Online stack monitoring system is installed with stack as per CPCB guideline and data are transferred to CPCB server & State portal. Being Complied Attachment: NA
22	AIR QUALITY MONITORING AND PRESERVATION	The pollution load after expansion shall not exceed the existing pollution load as submitted on Parivesh Portal.	PPs Submission	agreed and being complied Being Complied Attachment: NA
23	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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).	PPs Submission	Ambient & Work Zone Noise Monitoring Analysis (inside the plant in different units) is done by MoEF&CC, New Delhi /NABL accredited Laboratories. Noise levels have been monitored at four locations viz. Plant Main Gate, Shyamraipur Village, Railway Siding and Near MBF & PCM Plant Area by third party monitoring agency M/s Greenvision Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory. The Ambient & Work Zone Noise quality monitoring reports are enclosed Being Complied Attachment: Click to View

Last Site Visit NA

Report (if available)

Additional Attachment (if any) [Click to View](#)

Last Site Visit 02-02-2021

Report Date (if available)

Additional Remarks (if any)

- I '[Orissa Metaliks Pvt. Ltd](#)' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From IRO

Cover Letter From IRO NA

Back

Name of the Project: -

Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.S- Kharagpur (Local) District West Medinipur, West Bengal.

Clearance Letter/s No. and date: -

EC No-J -11011/229/2007-IA II (I); dated 07.07.2021 and 'No increase in pollution load certificate' under clause 7 (II) b of EIA notification issued by WBPCB vide memo no.131-2N-29/2019(E)-Pt. II dated 16.03.2022.

Period of Compliance Report: -

April 2023 to September 2023

A.	Specific Conditions w.r.t to EC	Compliance Status
i)	<p>Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below 100 Mg/Nm³. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, CPCB and W.B Pollution Control Board (WBPCB) once in six months.</p>	<p>Being Complied</p> <p>Adequate Measures have been taken by management for reducing the RSPM levels in the ambient air like.</p> <ol style="list-style-type: none">1. Fixed water sprinklers and water guns are provided at the potential internal roads and raw materials handling areas.2. Mobile water sprinklers tanker and one number of movable water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission.3. Water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.4. Dedicated street swiping machine is being used and Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day).5. Pneumatic APC dust handling system is in place.6. All conveyor belts, vibrating screens and transfer points are covered with sheets for preventing the fugitive emissions. <p>Management of OMPL (MBF) has installed OCEMS (PM, Gaseous) with remote calibration system in the major stacks as per CPCB guide line and data is being transferred to CPCB central Server.</p> <p>Existing MBF is equipped with cyclone separator, bag filters, and de dusting system. Bag houses are design to meet the standard below prescribed limit.</p> <p>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) is installed</p>



covering upwind, downwind and crosswind directions after getting site approval from WBPCB.

Regular reports of Monitoring and compliance are submitted to Ministry at regional office. The details of submission are enclosed here with.

Sr. No	Year	Period Up To	Submission Date
1	2016-2017	1 st Dec 2016	26.11.2016
		1 st June 2017	16.05.2017
2	2017-2018	1 st Dec 2017	01.12.2017
		1 st June 2018	01.06.2018
3	2018-2019	1 st Dec 2018	28.11.2018
		1 st June 2019	23.05.2019
4	2019-2020	1 st Dec 2019	14.11.2019
		1 st June 2020	29.05.2020
5	2020-2021	1 st Dec 2020	30.11.2020
		1 st June 2021	31.05.2021
6	2021-2022	1 st Dec 2021	01.12.2021
		1 st June 2022	26.05.2022
7	2022-2023	1 st Dec 2022	19.11.2022
		1 st June 2023	29.05.2023
8	2023-2024	1 st Dec 2023	---

Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as **Annexure No. - I.**

Six monthly data of OCEMS is enclosed as **Annexure-II.**

ii) Dust extraction system comprising of dry fog system including pulse jet bag filters shall be provided to the blast furnace stock house. Dust extraction system shall also be provided to blast furnace Gas cleaning system and fume extraction system shall be provided to the electric arc furnace (EAF). Bag filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control duct from raw material handling and storage area.

Being Complied

Dust extraction system comprising of Dedusting System including pulse jet bag filters is provided to the blast furnace stock house, bag filters is provided at the transfer points to control fugitive emissions and dust suppression system is provided to control dust from raw material handling and storage area.

Stack monitoring is carried out on regular basis by W.B.P.C.B/ NABL authorized laboratories. Latest Analysis report is attached as **Annexure - III.**

iii) Gaseous emission levels including secondary fugitive emissions from all the sources should be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed.

Being Complied

To control Gaseous emission levels including secondary fugitive emissions from all the sources within the latest permissible limits steps adopted by company are:



- i. Adequate capacity Dust suppression system and bag filters are installed at conveyor and transfer points, product handling, loading and unloading points.
- ii. Fixed water sprinklers/ water gun installed in the critical areas like internal roads, plant area, railway siding and raw materials handling area for effectively controlling the fugitive emission.
- iii. Dedicated water spraying tanker is in use. Internal



		<p>roads concreted with proper drainage system to reduce fugitive emission because of movement of trucks.</p> <p>iv. Movable water mist fog system is being used in order to reduce the fugitive dust.</p> <p>v. Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased from 02 times a day to 04 times a day.</p> <p>vi. Dedusting system at casting area is installed.</p> <p>Fugitive emission monitoring for the plants is carried out on regular basis by WBPCB/NABL authorized laboratories.</p> <p>Recently fugitive Emissions have been monitored at MBF & oxygen Plant Area, Railway Siding & Product House Area by third party monitoring agency M/s GreenVision Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory has done the analysis. As per monitoring reports for month of September 2023 the emission levels are as follows:</p> <table border="1" data-bbox="886 821 1515 968"> <thead> <tr> <th>Parameter</th> <th>MBF & Oxygen Plant area</th> <th>Railway Siding</th> <th>Product House Area</th> </tr> </thead> <tbody> <tr> <td>SPM ($\mu\text{g}/\text{m}^3$)</td> <td>490.22</td> <td>537.15</td> <td>306.42</td> </tr> </tbody> </table> <p>The Fugitive Emission analysis reports are attached in as Annexure-IV.</p>	Parameter	MBF & Oxygen Plant area	Railway Siding	Product House Area	SPM ($\mu\text{g}/\text{m}^3$)	490.22	537.15	306.42
Parameter	MBF & Oxygen Plant area	Railway Siding	Product House Area							
SPM ($\mu\text{g}/\text{m}^3$)	490.22	537.15	306.42							

iv)	608 KLD water is required for MBF with oxygen plant and it is/will be sourced from bore well, Rainwater Harvesting pond and waste water. Zero effluent discharge shall be strictly followed and no wastewater discharged outside the premises.	<ul style="list-style-type: none"> ❖ OMPL has already obtained adequate ground water extraction permission from State Water Investigation Department (SWID) West Bengal, for ground water, surface water from Kansabati River, rain water harvesting pond & nalla/ waste water from Kharagpur Municipality. ❖ The plant has been designed as 'Zero 'effluent discharged concept. Primary ETP plant is installed in plant water from slag pit is recycled back to the process. No waste water is discharged outside the premises. Water is recycled and reused for dust suppression and green belt development.
v)	608 KLD water is required and it is /will be sourced from bore well, rain water harvesting pond and waste water.	<p>Being complied.</p> <p>The detail is already discussed in point no-v.</p>
vi)	All the blast furnace (BF) slag shall be granulated and provided to cement manufactures for further utilization. SMS slag shall be properly utilized. All other solid waste including broken refractory mass shall be properly disposed of in environment friendly manner.	<p>Being Complied</p> <p>Slag generated from MBF is used for Cement Manufacturing in associate company (M/s Rashmi Cement Limited, Jhargram & M/s Orissa Metallurgical Industry Private Limited, Kharagpur).</p>
vii)	Coal and coke fines shall be recycled and reused in the process iron ore, fluxes, mill scale etc. Shall be recycled to sinter plant to produce sinter waste oil shall be sold to authorized recyclers / reprocesses.	<p>Being Complied</p> <ul style="list-style-type: none"> • Used oils are industrial lubricating oils are stored in closed barrels with appropriate seal and stored in a designated HW Facility and is being sold to authorized



		<p>vendor.</p> <ul style="list-style-type: none"> Contaminated cotton and wiping clothes collected from all units is sent to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) 												
viii)	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	<p>Being Complied</p> <p>Because of use of better quality of raw material and process optimization there is a reduction in solid waste generation. A time bound action plan to reduce solid waste, its proper utilization and disposal are as follows.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>Year (2023-24)</th> <th>Year (2024-25)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MBF Slag</td> <td>1,48,200</td> <td>1,48,200</td> </tr> <tr> <td>2</td> <td>GCP Dust & Sludge</td> <td>39,000</td> <td>38,250</td> </tr> </tbody> </table>	S. No.	Particulars	Year (2023-24)	Year (2024-25)	1	MBF Slag	1,48,200	1,48,200	2	GCP Dust & Sludge	39,000	38,250
S. No.	Particulars	Year (2023-24)	Year (2024-25)											
1	MBF Slag	1,48,200	1,48,200											
2	GCP Dust & Sludge	39,000	38,250											
ix)	As proposed green belt shall be developed in 33% area within and around the plan premises as per the CPCB guidelines in consultation with DFO.	<p>Being complied</p> <p>MBF and oxygen plant for which Environment Clearance accorded by MoEFCC, New Delhi vide even letter dated 07.07.2021& 16.03.2022 is being setup in plant premises of M/s Orissa Metaliks Pvt. Ltd having other facilities (Pellet plant, I/o beneficiation, P Gasifier etc.) on land measuring 70 acres. MBF and oxygen plant is setup on land area of 2 acres. 34.0% of total plant area of 70 acres i.e. 23.80 acres (which includes 0.66 acres (33% of 2 acres land also) is earmarked for greenbelt development. Green belt with 20 m width and density of 2500 per hectare along and around boundary of the site towards the highway already started. In financial year 2023-24 (Till September), around 200 saplings were planted for gap filling and the survival rate is 89 %. To fill the gap of green belt.</p>  												





The detail of green belt developed is enclosed as Annexure-V. CREP being complied in time bound frame.

x) All the recommendations made in the Charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants shall be implemented



Sl. No	Action points for Integrated Iron & Steel Industry	Action Plan
1	Coke Oven Plants	
A	To meet the parameters PLD (% leaking colours), PLL (% leaking lids), PLO (% leaking off take), of the notified standards under EPA within three years by December 2005). Industry will submit time bound action plan and PER Chart along with the Bank Guarantee for the implementation or the time.	Not applicable
B	To rebuild at least 40% of the coke oven batteries in next 10 years (by December	Not applicable

			2012).		
			2	Steel Melting Shop Fugitive emissions - To reduce 30% by March 2004 and 100% by March 2008 (including installation of secondary Dedusting facilities).	Not applicable
			3	Blast Furnace Direct inject of reducing agents _____ by June 2013.	Sized Coke of high quality with limestone/ Quartzite as a reducing agent are being used.
			4	Solid Waste/Hazardous Waste Management	
			A	Utilization of Steel/Melting shop (SMS)/Blast Furnace (BF) Slag as per the following schedule: <ul style="list-style-type: none"> • By 2004 - 70% • By 2006 - 80% and • By 2007 - 100% 	MBF Slag Utilization The slag generated from the MBF plant is used for Cement Manufacturing in associate company (M/s Rashmi Cement Limited, Jhargram & M/s Orissa Metallurgical Industry Pvt. Ltd. (Formerly Bansal Cement Pvt. Ltd.), Kharagpur
			Hazardous Wastes		
			B I	Charge of tar sludge/ETP sludge to Coke Oven by June 2003.	Not Applicable
			B II	Inventorization of the Hazardous waste as per Hazardous Waste (M & H). Rules, 1989 as amended in 2000 and implementation of the Rules by Dec. 2003. (Tar sludge, acid sludge, waste Lubricating oil and type fuel falls in the category of Hazardous waste).	Inventorization completed. Coal tar, Waste oils and cotton/jute waste containing oil are sold to WBPCB authorized vendors/parties The annual return (FORM-IV) for the financial year (2021-2022) in prescribed format submitted on Online Consent Management & Monitoring System portal to WBPCB vides Return no-2314953 dated 30.06.2022.
			5	Water Conservation/ Water Pollution	
			A	To reduce specific water consumption to 5 m ³ /t for long products and 8 m ³ /t for flat products by December 2005.	The average water consumption is within the prescribed limit.
			B	To operate the Co-BP effluent treatment plant efficiently to achieve the notified effluent discharge	Not Applicable



			standards. - by June 2003.	
		6	Installation of Continuous stacks monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations by June 2005.	The company has Successfully installed online Stack monitoring system in, MBF Plants as per CPCB Guideline. 04 Nos. CAAQMS & 01 no manual Ambient Monitoring System is installed for monitoring the ambient air quality covering 360 degree.
		7	To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect. Compliance report in this regard is submitted to CPCB/SPCB every three months.	Compliance reported is being submitted to the WBPCB and quarterly monitoring of the stacks is being done by WBPCB.
		9	The industry will initiate the steps to adopt the following clean technologies measures to improve the performance of industry towards production, energy and environment.	
		A	Energy recovery of top Blast Furnace (BF) gas.	Blast furnace Gas is utilised as a fuel in Rolling Mill, SMS, Pellet Plant and DIP of associate company.
		B	Use of Tar - free runner linings	Not applicable
		C	De- dusting of Cast house at tap holes, runners, skimmers ladle and charging points.	Dedusting system at cast house at tap holes, runners, skimmers, ladle charging points etc. is there for MBF unit.
		D	Suppression of fugitive emissions using nitrogen gas or other inert gas.	Not Applicable
		E	To study the possibility of slag and fly ash transportation back to the abandoned mines, to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.	The slag generated from the MBF plant is used for Cement Manufacturing in associate company (M/s Rashmi Cement Limited, Jhargram & M/s Orissa Metallurgical Industry Pvt. Ltd. (Formerly Bansal Cement Pvt. Ltd.), Kharagpur



			F Processing of the waste containing flux & ferrous wastes through waste recycling plant.	The slag generated from the MBF plant is used for Cement Manufacturing in associate company
			G To implement rainwater harvesting	OMPL-II have 02 nos. rain water harvesting ponds of capacity 30,000 KL (each) in plant premises and harvested water is being used in dust suppression, green belt development etc.
			H Reduction Green House Gases by:	
			I Reduction in power consumption	Use of recuperator to utilised sensible heat of waste gas for preheating the combustion air from atmospheric temperature to 250 degree centigrade.
			II Use of by-products gases for power generation	The waste gas at around 150 degree centigrade is used for drying the coke..
			III Promotion of Energy Optimisation technology Including energy/ audit	Use of Recuperator with blast furnace to capture the sensible heat of flue gas.
			I To set targets for Resource Conservation such as Raw material, energy and water consumption to match International Standards.	Management of OMPL has taken up eco- friendly (i. e. 3 R's, Reduce, Recycle & Reuse) philosophy for day-to-day plant operations, in this connection OMPL-II management team trying to reduce the unit wise water consumptions and reuse the water after physical treatment in the same unit
			J Up- gradation in the monitoring and analysis facilities for air and water pollution. Also, to impart elaborate training to the manpower so that realistic data is obtained in the environmental monitoring laboratories.	Up gradation in the monitoring and analysis facilities has already been done by installation of Online CEMS at all major stacks. A separate Environment Management Cell is already in operational to manage all the environmental issues. The manpower entrusted for environmental monitoring has been imparted training on regular basis.
			K To Improve overall housekeeping.	Action taken by company for improvement of housekeeping and controlling emission are: a) Dedicated water spraying tankers are in use.





			<ul style="list-style-type: none"> b) Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased from 02 times a days to 04 times a day. c) Dedicated street swiping machine also in use in plant. d) Water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. e) Movable Water mist fog system has been installed and in used in order to reduce the fugitive dust. f) Engaged more numbers of dedicated Housekeeping team with proper training and equipment. g) Regular painting and cleaning / whitewashing of wall. h) Scraps are stored in proper demarcated area with proper marking. i) Hazardous wastes are stored in dedicated HZW store. j) Regular cleaning of drain systems pre monsoon is done. k) Concreting of internal road with proper drainage system to reduce vehicular emission. l) Trucks movement for transporting raw materials & solid waste in fully covered way to avoid dust pollution. m) Green belt with density of 2500 per hectare along and around the plant boundary is being developed.
		<p>10 Sponge Iron Plants Inventorization of sponge iron plants to be completed by SPCBs/CPCE by June 2003 and units will be asked to install proper air pollution control equipment by December 2003 to control primary and secondary emissions.</p> <p>As per rebuilding schedule</p>	<p>Not Applicable</p>




		submitted to CPCB/MoEF.						
xi)	All the slag generated from the blast furnace should be granulated and used in cement plants.	Being Complied. Slag generated from MBF is used for Cement Manufacturing in associate company (M/s Rashmi Cement Limited, Jhargram & M/s Orissa Metallurgical Industry Pvt. Ltd. (Formerly Bansal Cement Pvt. Ltd.), Kharagpur.						
xii)	Adequate air pollution control measures as noted in Environment plan need be complied.	Being Complied <ul style="list-style-type: none"> Existing MBF is equipped with cyclone separator, bag filters, and de dusting system. Bag houses are design to meet the standard below prescribed limit. Dust extraction system comprising of Dedusting System including pulse jet bag filters is provided to the blast furnace stock house, bag filters is provided at the transfer points to control fugitive emissions and dust suppression system is provided to control dust from raw material handling and storage area. 						
xiii)	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline	Will be Complied Company has got water withdrawal permission of surface water from State Water Investigation Directorate (SWID), West Bengal from Kansai River. Laying of pipeline from River Kansabati to the industry is completed and water extraction from 02 no. of bore wells on Kasai River bed is already started. Scheme for integrated water distribution networks between industrial units of the Group with respect to surface water drawal from Kansabati river is already submitted vide letter OMPL/ENV COMPL/June-2021 dated 27.05.2021.						
xiv)	Emission level from Bag filter and ESP shall be 30 mg/Nm ³ .	Stack monitoring is carried out on regular basis by W.B.P.C.B/ NABL authorized laboratories. Latest Analysis report & OCEMS data is already attached as Annexure -II & III .						
xv)	Zero liquid discharge shall be adopted	Being Complied Plant is designed as a Zero Discharge plant. Water is mainly used for cooling purpose & slag granulation. After evaporation loss the quantum of remaining water is sent to the cooling tower in order to reuse the water again. Blow down water from cooling tower is used for dust suppression. No water is discharged outside the plant premises. Effluent generated from slag granulation is treated in primary ETP and is reused in process, for dust suppression & green belt development.						
xvi)	100% waste utilization shall be followed.	Being Complied <table border="1"> <thead> <tr> <th>Particulars</th> <th>Disposal Scheme</th> </tr> </thead> <tbody> <tr> <td>MBF Slag</td> <td>Used in Cement Plant of associate company, Cement Manufacturing</td> </tr> <tr> <td>GCP Dust & Sludge</td> <td>Used in Sinter Plant of associate company and also for Brick Manufacturing, Land levelling</td> </tr> </tbody> </table>	Particulars	Disposal Scheme	MBF Slag	Used in Cement Plant of associate company, Cement Manufacturing	GCP Dust & Sludge	Used in Sinter Plant of associate company and also for Brick Manufacturing, Land levelling
Particulars	Disposal Scheme							
MBF Slag	Used in Cement Plant of associate company, Cement Manufacturing							
GCP Dust & Sludge	Used in Sinter Plant of associate company and also for Brick Manufacturing, Land levelling							
xvii)	Green belt shall cover 33% of the total area in the plant site.	Being Complied The detail is already mentioned against point no-ix .						



No.	General Conditions :	Compliance Status
i)	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	<p style="text-align: center;">Being Complied</p> <p>Adequate measure has been taken by management of OMPL for pollution control and complying with all condition issues by Central Pollution Control Board and State Pollution Control Board. Reports of Monitoring and compliance are submitted to WBPCB on regular basis.</p>
ii)	No further expansion or modifications in the plant shall be carried but without prior approval of the Ministry of Environment and Forests.	<p>In compliance to this point amendment in EC No. J-11011/227/2007-I (A) dated: 12.6.2008, 10.12.2008, 12.02.2015, 06.01.2017, 30.08.2018 & 26.12.2019 obtained by ministry vide EC no. - J-11011/229/2007-I (A) dated 07.07.2021.</p> <p>Also No increase in pollution load certificate' under clause 7(II) b of EIA Notification obtained from WBPCB vide memo no.131-2N-29/2019(E)-Pt.II dated 16.03.2022 for increase in production capacity of existing plant.</p>
iii)	The gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	<p style="text-align: center;">Complied</p> <p>All the necessary measures have been adopted by management of OMPL-II for preventing the gaseous emission on priority basis. The load mass-based standards for the financial year 2022-23 is calculated and submitted with environmental statement in prescribed format to WBPCB vide letter no. OMPL(UNIT-II)/ENV_Statement/2023-2024 dated 23.09.2022.</p>
iv)	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 ₁₀ , SO ₂ , and NO _x are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	<p style="text-align: center;">Being Complied</p> <p>As stated in point no-I of specific condition, 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) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB.</p> <p>Data on ambient air quality and stack emission is regularly submitted to this Ministry including its Integrated Regional Office, Kolkata and the WBPCB & CPCB. Last report submitted with six monthly compliance report -OMPL/ENV COMPL/June-2022 dated 19.05.2022</p> <p>CAAQMS report from all the three stations are attached in as Annexure No. - VI.</p>
v)	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	<p style="text-align: center;">Being Complied</p> <p>The plant is designed as Zero Discharge Plant. Water in MBF plant is used for cooling purpose and Slag granulation and is recycled back in process after primary treatment. Domestic waste water is treated in STP of adequate capacity.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Photograph of STP</p>



vi)	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 style="text-align: center;">Being Complied</p> <p>Ambient & Work Zone Noise Monitoring Analysis (inside the plant in different units) is done by MoEF&CC, New Delhi /NABL accredited Laboratories.</p> <p>Noise levels have been monitored at four locations viz. Plant Main Gate, Shyamraipur Village, Railway Siding and Near MBF & PCM Plant Area by third party monitoring agency M/s Greenvision Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory. As per monitoring reports the noise levels are as follows:</p> <table border="1" data-bbox="797 558 1502 821"> <thead> <tr> <th rowspan="3">Parameter</th> <th colspan="2">Near Plant Main Gate</th> <th colspan="2">Shyamraipur Village</th> <th>Near Railway Siding</th> <th>Near MBF & PCM Area</th> </tr> <tr> <th colspan="4">Ambient</th> <th colspan="2">Source</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>61.5</td> <td>51.2</td> <td>59.1</td> <td>50.0</td> <td>56.5-66.1</td> <td>55.1-67.5</td> </tr> </tbody> </table> <p>The Ambient & Work Zone Noise quality monitoring reports are enclosed as Annexure - VII.</p>	Parameter	Near Plant Main Gate		Shyamraipur Village		Near Railway Siding	Near MBF & PCM Area	Ambient				Source		Day	Night	Day	Night	Avg.	Avg.	Leq (dBA)	61.5	51.2	59.1	50.0	56.5-66.1	55.1-67.5
Parameter	Near Plant Main Gate			Shyamraipur Village		Near Railway Siding	Near MBF & PCM Area																					
	Ambient				Source																							
	Day	Night	Day	Night	Avg.	Avg.																						
Leq (dBA)	61.5	51.2	59.1	50.0	56.5-66.1	55.1-67.5																						
vii)	<p>Occupational health surveillance of then workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<p style="text-align: center;">Being Complied With</p> <p>Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948. Company is ISO 45001:2018 certified.</p> <p>The OHS record is being enclosed as Annexure-VIII.</p>																										
viii)	<p>The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.</p>	<p style="text-align: center;">Complied</p> <p>Orissa Metaliks (P) Limited Unit-II has developed 02 nos..)rain water harvesting ponds 30,000 KL (each) in plant premises and harvested water are being used in dust suppression, greenbelt development.</p> <div style="text-align: center;">  <p>Photograph of Rain-water harvesting</p> </div>																										
ix)	<p>The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.</p>	<p style="text-align: center;">Being Complied</p> <p>The project proponent is fully committed in socio economic development activities of the surrounding villages and CSR activities are being continuously done throughout the year.</p> <p>In financial year 2022-23, OMPL company has spent Rs. 2, 50, 00,000 under the head of CSR/CER. The recent CSR/CER photograph are:</p>																										





Blood Donation Camp



Plantation Drive at School


x) Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.




Being Complied

Requisite fund is earmarked towards capital cost and annual recurring cost for implementing the environmental protection measures.

Recurring Cost Incurred on Environmental Safeguard			
Year	Particulars	Narration	Amount (INR)
2023-2024 (Till Sept.)	Green Belt Development	Maintenance, labour cost etc.	100000
	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	75,000.00
	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity	97,00,500.0

			consumption etc. on A.P.C Device installed.																																			
				TOTAL																																		
				99,95,500																																		
xi)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad /Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter also is put on the website of the company by the proponent.	<p style="text-align: center;">Complied</p> <p>Copies of EC dated 07.07.2021 w.r.t amendment in EC were submitted to DM, Paschim Medinipur vide letter dated 20.07.2021 and EC copy also uploaded on the website of the company http://orissametaliks.com/qehs.html.</p> <p>Copy of intimation letter submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-II/ENV_COMPL/December-2022 dated 19.11.2022.</p>																																				
xii)	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. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorial 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 style="text-align: center;">Being Complied</p> <p>Monitoring of criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters is done by NABL/ MOEF accredited laboratory. Emission levels of pollutants of different units is displayed on board maintained 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 https://www.rashmigroup.com/ehs/.</p>  <p>Electronic display board is installed at plant main gate and online stack emission data a CAAQMS data is also being displayed.</p>																																				
xiii)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environment conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	<p style="text-align: center;">Being Complied</p> <p>Regular reports of Monitoring and compliance are submitted to Ministry at regional office. The details of submission are enclosed here with.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Year</th> <th>Period Up To</th> <th>Submission Date</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td rowspan="2">2016-2017</td> <td>1st Dec 2016</td> <td>26.11.2016</td> </tr> <tr> <td>1st June 2017</td> <td>16.05.2017</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">2017-2018</td> <td>1st Dec 2017</td> <td>01.12.2017</td> </tr> <tr> <td>1st June 2018</td> <td>01.06.2018</td> </tr> <tr> <td rowspan="2">3</td> <td rowspan="2">2018-2019</td> <td>1st Dec 2018</td> <td>28.11.2018</td> </tr> <tr> <td>1st June 2019</td> <td>23.05.2019</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">2019-2020</td> <td>1st Dec 2019</td> <td>14.11.2019</td> </tr> <tr> <td>1st June 2020</td> <td>29.05.2020</td> </tr> <tr> <td rowspan="2">5</td> <td rowspan="2">2020-2021</td> <td>1st Dec 2020</td> <td>30.11.2020</td> </tr> <tr> <td>1st June 2021</td> <td>31.05.2021</td> </tr> </tbody> </table>			Sr. No	Year	Period Up To	Submission Date	1	2016-2017	1 st Dec 2016	26.11.2016	1 st June 2017	16.05.2017	2	2017-2018	1 st Dec 2017	01.12.2017	1 st June 2018	01.06.2018	3	2018-2019	1 st Dec 2018	28.11.2018	1 st June 2019	23.05.2019	4	2019-2020	1 st Dec 2019	14.11.2019	1 st June 2020	29.05.2020	5	2020-2021	1 st Dec 2020	30.11.2020	1 st June 2021	31.05.2021
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			6	2021-2022	1 st Dec 2021 1 st June 2022	01.12.2021 26.05.2022		
			7	2022-2023	1 st Dec 2022 1 st June 2023	19.11.2022 26.05.2023		
xiv)	The environment statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	Complied						All the necessary measures have been adopted by management of OMPL for preventing the gaseous emission on priority basis. The environmental statement in prescribed format for the financial year 2022-23 is submitted to WBPCB vide letter no. OMPL (UNIT-II)/ENV_Statement/2023-2024 dated 26.09.2023 and also uploaded on the website of the company http://orissametaliks.com/qehs.html .
xv)	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwards to the Regional office at Bhubaneswar.	Complied						Advertisement within seven days from the date of issue of the Environment clearance amendment & part transfer in two local newspapers that are widely circulated in the region are made. The details are: <ul style="list-style-type: none"> Aajkal (Bengali Version) dated 10.07.2021 Echo of India (English version) dated 10.07.2021 Copy of the advertisement is already submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-II/ENV_COMPL/June-2022 dated 01.12.2021.
xvi)	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted						Company is a private company and no finance is needed from outside.
xvii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted						
xviii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed						
xix)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Green Tribunal Act, 1977.	Noted						
xx)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	Noted						

F. No. IA3-22/8/2021-IA.III [E 150512] dated 18.07.2022

I)	Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).	In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment , banner and flex are displayed at suitable place like work place, canteen, parking area etc.
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Sl. No.	Specific Conditions w.r.t to 'No increase in pollution load certificate' under clause 7 (II) b of EIA notification issued by WBPCB vide memo no.131-2N-29/2019(E)-Pt. II dated 16.03.2022.	Compliance Status
i)	The project proponent shall comply with the strict emission norms of 30 mg/Nm ³ .	Being Complied Stack monitoring is carried out on regular basis by W.B.P.C.B/ NABL/ MoEF authorized laboratories. Latest Analysis report is already attached as Annexure - III . Also Online stack monitoring system is installed with stack as per CPCB guideline and data are transferred to CPCB server & State portal. OCEMS report for last six month is already enclosed as Annexure - II .
ii)	The pollution load after expansion shall not exceed the existing pollution load as submitted on Parivesh Portal.	Agreed and being complied with





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Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-11003

TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1100323000000447F

Report No. : GV/AR/23-24/236
 Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)
 Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
 Dist. : Paschim Medinipur, Pin : 721301, W.B.
 Sample Description : Fugitive Air
 Sampling Location : MBF & Oxygen Plant Area
 Sample Condition : In GMF Filter Paper & Plastic Bottle
 Location of Testing : At Laboratory
 Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-157-2023(6)
 Report Date : 05.10.2023
 Date of Sampling : 21.09.2023
 Date of Receiving : 22.09.2023
 Analysis Started On : 23.09.2023
 Analysis Completed On : 25.09.2023
 Time of Sampling : 08:50 am to
 04:50 pm

A. METROLOGICAL INFORMATION

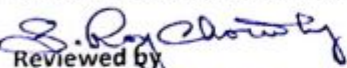
Average Temperature (°C) : 29.0
 Barometric Pressure (mm of Hg) : 756.0


B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	µg/m ³	490.22	IS : 5182 (Part 4),1999
02.	Concentration of SO ₂	µg/m ³	8.05	IS : 5182 (Part 2),2006
03.	Concentration of NO ₂	µg/m ³	30.22	IS : 5182 (Part 6),2006

Limit : (µg/m³) TSPM – 2000, SO₂ – 80, NO₂ – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.

Reviewed by

 (Sabyasachi Shyam Roy Chowdhury)
 Quality Manager


 (Sabyasachi Shyam Roy Chowdhury)
 Quality Manager
 Authorised Signatory
 For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
 2. This certificate may not be reproduced in part or full without written permission of the management.
 3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.



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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-11003

TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1100323000000448F

Report No. : GV/AR/23-24/237

Sample Ref. ID : AS-157-2023(7)

Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)

Report Date : 05.10.2023

Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.

Date of Sampling : 21.09.2023

Date of Receiving : 22.09.2023

Sample Description : Fugitive Air

Analysis Started On : 23.09.2023

Analysis Completed On : 25.09.2023

Sampling Location : Railway Siding

Time of Sampling : 09:30 am to

05:30 pm

Sample Condition : In GMF Filter Paper & Plastic Bottle

Location of Testing : At Laboratory

Sampling Method : CPCB, Emission Regulation (Part III)

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 29.0

Barometric Pressure (mm of Hg) : 756.0


B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	537.15	IS : 5182 (Part 4),1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	8.79	IS : 5182 (Part 2),2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	33.83	IS : 5182 (Part 6),2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM – 2000, SO_2 – 80, NO_2 – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/23-24/239
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)
Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Fugitive Air
Sampling Location : Product House Area
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory
Sampling Method : CPCB, Emission Regulation (Part III)

U.L.R. No. : TC1100323000000450F

Sample Ref. ID : AS-157-2023(9)
Report Date : 05.10.2023
Date of Sampling : 21.09.2023
Date of Receiving : 22.09.2023
Analysis Started On : 23.09.2023
Analysis Completed On : 25.09.2023
Time of Sampling : 11:05 am to
07:05 pm

A. METROLOGICAL INFORMATION


Average Temperature (°C) : 29.0
Barometric Pressure (mm of Hg) : 756.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	306.42	IS : 5182 (Part 4),1999
02.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	6.59	IS : 5182 (Part 2),2006
03.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	30.62	IS : 5182 (Part 6),2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM – 2000, SO₂ – 80, NO₂ – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.



Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
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WEST BENGAL POLLUTION CONTROL BOARD

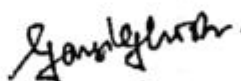
Haldia Regional Laboratory
Raghunathchak, P.O.-Barghasipur, P.S.-Bhabanipur
Haldia, Purba Medinipur - 721 657
Tel: (03224) 291292

Analysis Report of Gaseous Emission

Sample ID : 170420230023

1. Name of Industry	: M/S. Orissa Metallks Pvt Ltd.(Unit-II)
2. Address	: NH-6,VIII-Gokulpur,PO-Shyamraipur, PS-Kharagpur(Local), Dist-Paschim Medinipur
3. Category & Type	: Red/Sponge Iron
4. Sampling Date	: 13/04/2023
5. Sampled collected by	: K.Sahoo(AEE), HRO
6. Thimble Number	: 389
7. Name of WBPCB Recognized Laboratory	: M/s. Enviro Cell Laboratory
8. Duration of Sampling	: 32 min
9. Height of Stack from ground (m)	: 45.0
10. Cross section of stack at sampling point (m ²)	: 4.5216
11. Stack connected to	: Mini Blast Furnace
12. Emission source (Furnace / Boiler)	: Combustion of BF Gas
13. Average operational hours of boiler/furnace (per month)	: 720 hrs/month
14. APC System (if any)	: Gas Cleaning Plant
15. Working load of source (MT/hr.)	: 1200 TPD
16. Fuel used	: BF Gas
17. Rated Fuel consumption (Kg or L/hr.)	: -
18. Working Fuel consumption (Kg or L/hr.)	: 44000 Nm ³ /hr
19. Nature of Furnace / Boiler	: MBF
20. Flue Gas Temp (°C)	: 277.0
21. Flue gas velocity (m/sec)	: 11.91
22. Volume of Flue gas drawn in lit (m ³)	: 1.024
23. Corrected flue gas volume (Nm ³)	: 0.9647
24. Percentage CO ₂ and or O ₂	: CO ₂ -11.2% & O ₂ -8.2%
25. To be compensated at (% if required)	: -
26. Initial weight of Thimble (g)	: 1.4798
27. Final weight of Thimble (g)	: 1.4811
28. Weight of Particulate Matter (mg)	: 1.30
29. Particulate Matter (mg/Nm ³)	: 1.35
30. Barometric Pressure Head in mm of Hg	: 757 mm of Hg
31. Diameter of the nozzle (mm)	: 9.53 mm
32. Others	: -

Date of Reporting : 24/04/2023


Gargi Ghosh
Scientist


Debanjan Gupta
Senior Scientist

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

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

ANNEXURE-III

ORISSA METALIKS PRIVATE LIMITED UNIT-II (Previously Known as Rashmi Metaliks Limited) STACK_3_BLAST_FURNACE_HEATING_STOVES
Village- Gokulpur, P.S-Shyamraipur, P.O-Khargapur(L), Dist- Paschim Midnapore Khargapur West Bengal 721301

Start Date - 2023-04-01

End Date - 2023-09-30

Average - daily

Close(X)

Select All

- NO
- SO2
- PM

Time Range

Use Date Range

Data Type

All Data

START DATE

2023-04-01

END DATE

2023-09-30

Average Duration

daily

Submit

PRINT





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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-11003

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1100323000000442F

Report No. : GV/AR/23-24/231
 Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)
 Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
 Dist. : Paschim Medinipur, Pin : 721301, W.B.
 Sample Description : Ambient Air
 Sampling Location : Gokulpur Village
 Sample Condition : In GMF Filter Paper & Plastic Bottle
 Location of Testing : At Laboratory
 Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-157-2023(1)
 Report Date : 05.10.2023
 Date of Sampling : 20.09.2023 to
 21.09.2023
 Date of Receiving : 22.09.2023
 Analysis Started On : 23.09.2023
 Analysis Completed On : 25.09.2023
 Time of Sampling : 08:10 am to
 08:10 am

A. METROLOGICAL INFORMATION

Average Temperature (°C) : 29.2
 Average Relative Humidity (%) : 72.0
 Barometric Pressure (mm of Hg) : 756.0
 Smell or Odour : No Remarkable Smell
 Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	µg/m ³	65.93	IS : 5182 (Part 23),2006
02.	Concentration of PM _{2.5}	µg/m ³	34.16	EPA CFR – 40 (pt 50) Appendix – 1 : 2003
03.	Concentration of SO ₂	µg/m ³	8.79	IS : 5182 (Part 2),2006
04.	Concentration of NO ₂	µg/m ³	32.22	IS : 5182 (Part 6),2006
05.	Concentration of CO	mg/m ³	0.195	IS 5182 [Part 10] : 1999 Reaffirmed 2005

Limit : (µg/m³) National Ambient Air Quality Standard, CPCB Notification, 18 th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, CO : 4 (mg/m³)

S. Roy Chowdhury
 Reviewed by
 (Sabyasachi Shyam Roy Chowdhury)
 Quality Manager

S. Roy Chowdhury
 (Sabyasachi Shyam Roy Chowdhury)
 Quality Manager
 Authorised Signatory
 For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
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 3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.



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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/23-24/232
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)
Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Ambient Air
Sampling Location : Shyamraipur Village
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory
Sampling Method : CPCB, Emission Regulation (Part III)

U.L.R. No. : TC1100323000000443F

Sample Ref. ID : AS-157-2023(2)
Report Date : 05.10.2023
Date of Sampling : 20.09.2023 to
21.09.2023
Date of Receiving : 22.09.2023
Analysis Started On : 23.09.2023
Analysis Completed On : 25.09.2023
Time of Sampling : 08:50 am to
08:50 am

A. METROLOGICAL INFORMATION

Average Temperature (°C) : 29.2
Average Relative Humidity (%) : 72.0
Barometric Pressure (mm of Hg) : 756.0
Smell or Odour : No Remarkable Smell
Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	µg/m ³	69.18	IS : 5182 (Part 23),2006
02.	Concentration of PM _{2.5}	µg/m ³	35.83	EPA CFR – 40 (pt 50) Appendix – 1 : 2003
03.	Concentration of SO ₂	µg/m ³	8.05	IS : 5182 (Part 2),2006
04.	Concentration of NO ₂	µg/m ³	31.62	IS : 5182 (Part 6),2006
05.	Concentration of CO	mg/m ³	0.178	IS 5182 [Part 10] : 1999 Reaffirmed 2005

Limit : (µg/m³) National Ambient Air Quality Standard, CPCB Notification, 18 th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, CO : 4 (mg/m³)

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-11003

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision		U.L.R. No. : TC110032300000444F
Report No. : GV/AR/23-24/233		Sample Ref. ID : AS-157-2023(3)
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)		Report Date : 05.10.2023
Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301, W.B.		Date of Sampling : 20.09.2023 to 21.09.2023
Sample Description : Ambient Air		Date of Receiving : 22.09.2023
Sampling Location : Near Plant Main Gate		Analysis Started On : 23.09.2023
Sample Condition : In GMF Filter Paper & Plastic Bottle		Analysis Completed On : 25.09.2023
Location of Testing : At Laboratory		Time of Sampling : 09:40 am to 09:40 am
Sampling Method : CPCB, Emission Regulation (Part III)		

A. METROLOGICAL INFORMATION

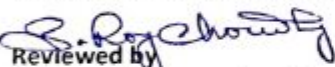
Average Temperature (°C)	: 29.2
Average Relative Humidity (%)	: 72.0
Barometric Pressure (mm of Hg)	: 756.0
Smell or Odour	: No Remarkable Smell
Weather Condition	: Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	µg/m ³	76.57	IS : 5182 (Part 23),2006
02.	Concentration of PM _{2.5}	µg/m ³	36.58	EPA CFR – 40 (pt 50) Appendix – 1 : 2003
03.	Concentration of SO ₂	µg/m ³	9.52	IS : 5182 (Part 2),2006
04.	Concentration of NO ₂	µg/m ³	34.44	IS : 5182 (Part 6),2006
05.	Concentration of CO	mg/m ³	0.283	IS 5182 [Part 10] : 1999 Reaffirmed 2005

Limit : (µg/m³) National Ambient Air Quality Standard, CPCB Notification, 18 th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, CO : 4 (mg/m³)


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

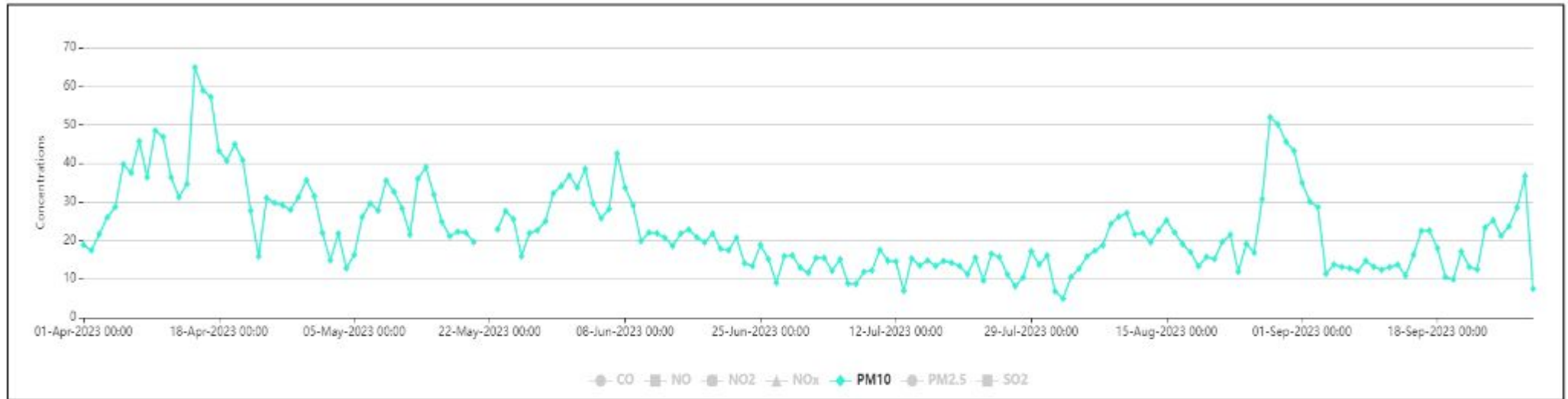
- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
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City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

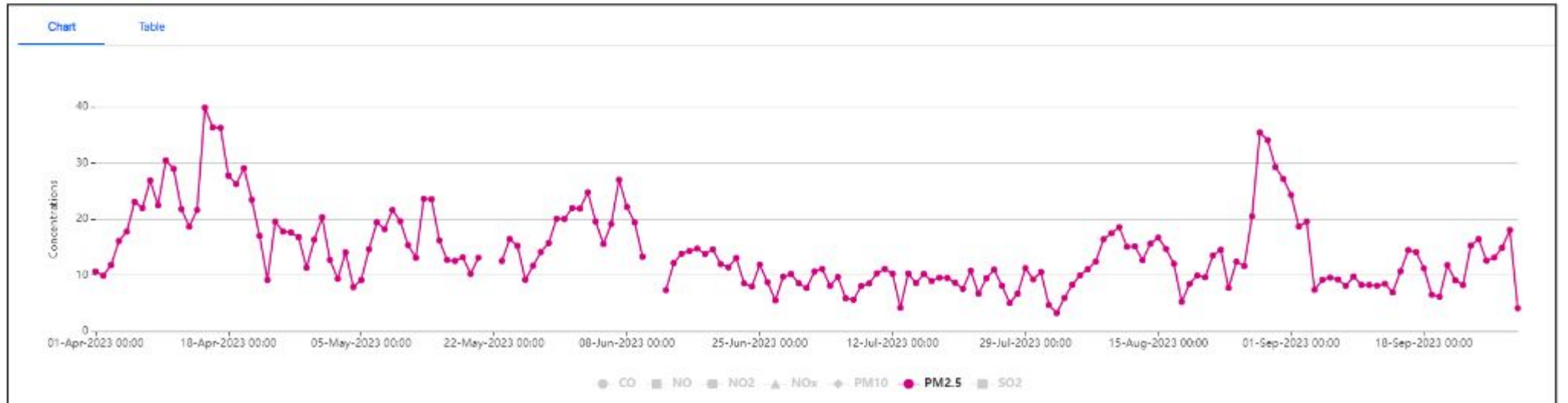
Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001

CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Kalyanpur Village
Parameters : PM 10



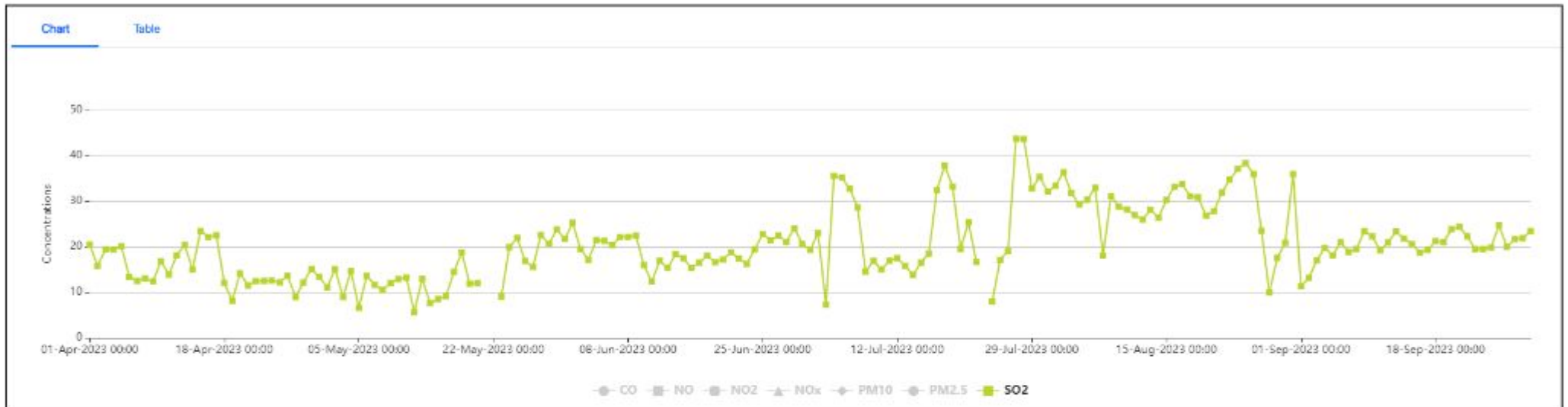
Location : Kalyanpur Village
Parameters : PM 2.5



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

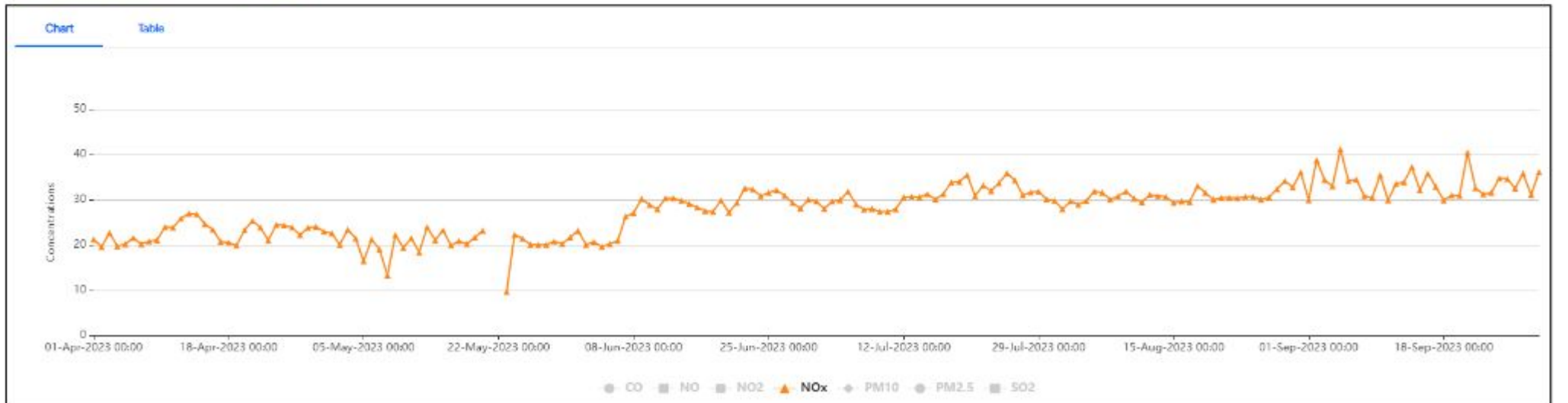
Location : Kalyanpur Village

Parameters : SO₂



Location : Kalyanpur Village

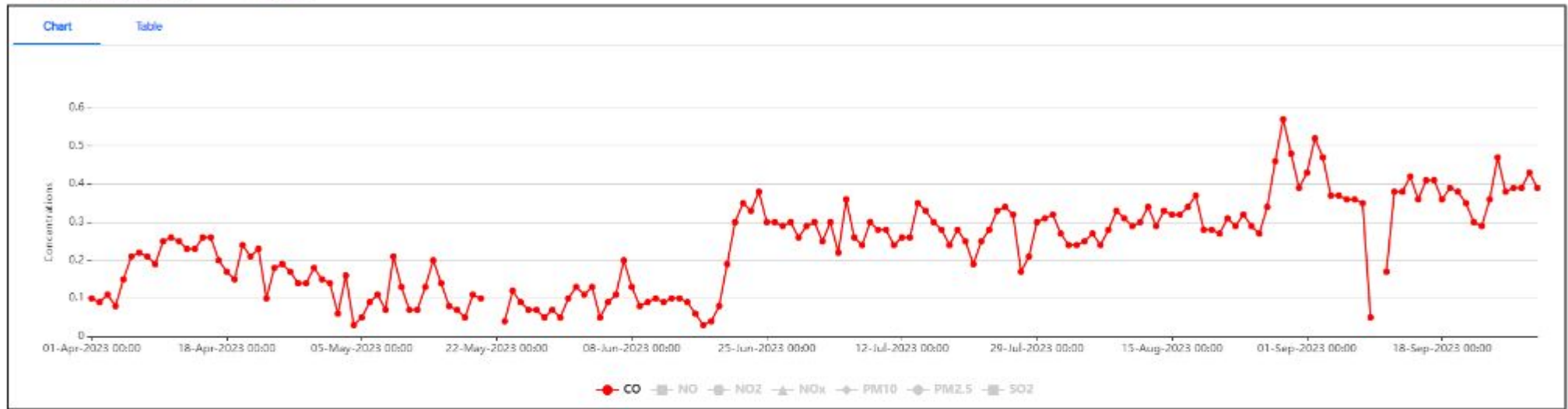
Parameters : NO_x



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

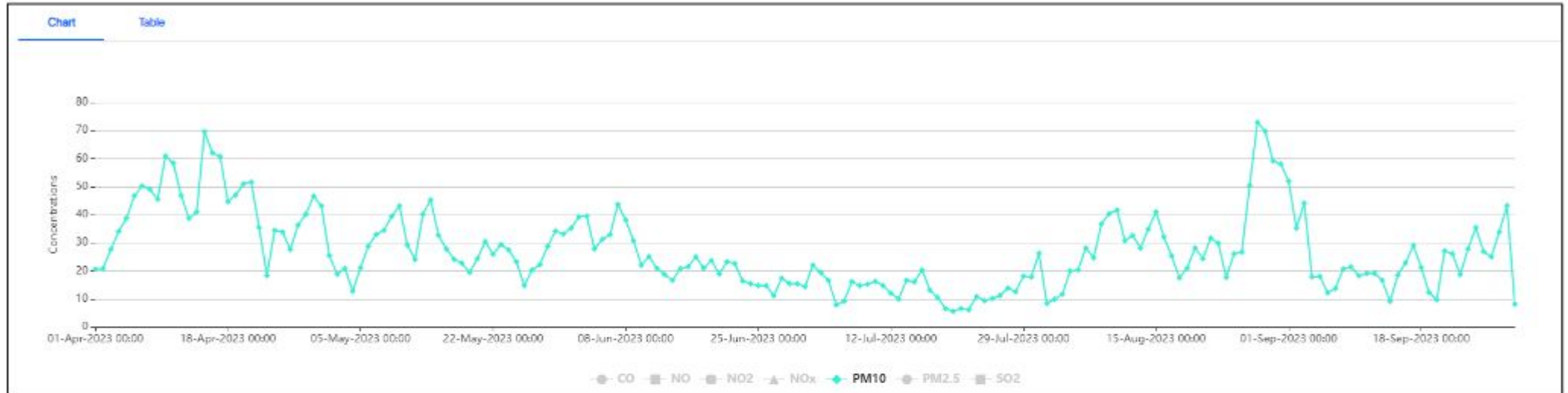
Location : Kalyanpur Village

Parameters : CO

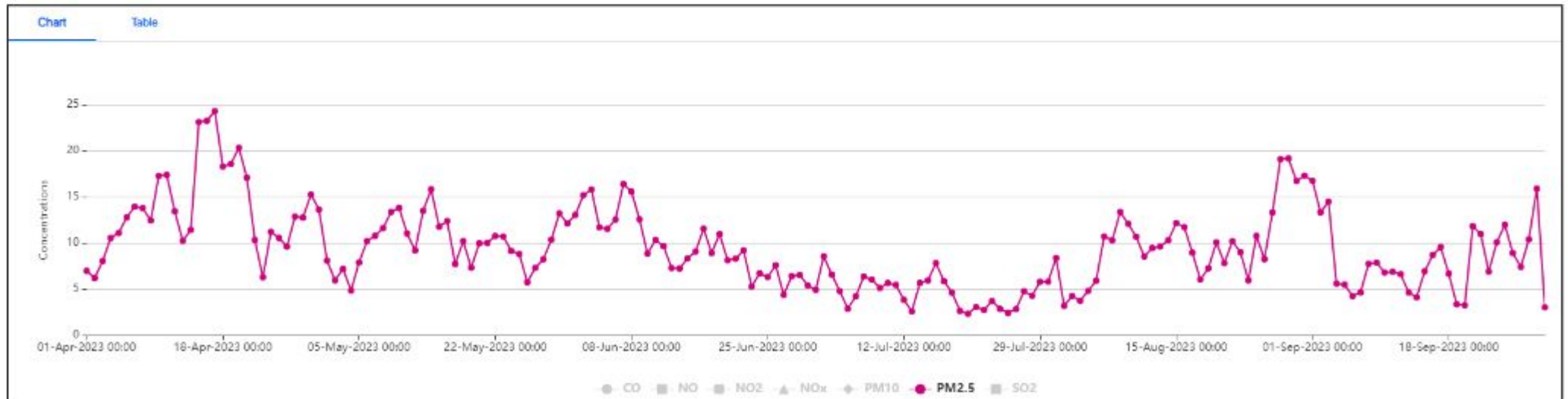


CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Panchrulia Station
Parameters : PM 10



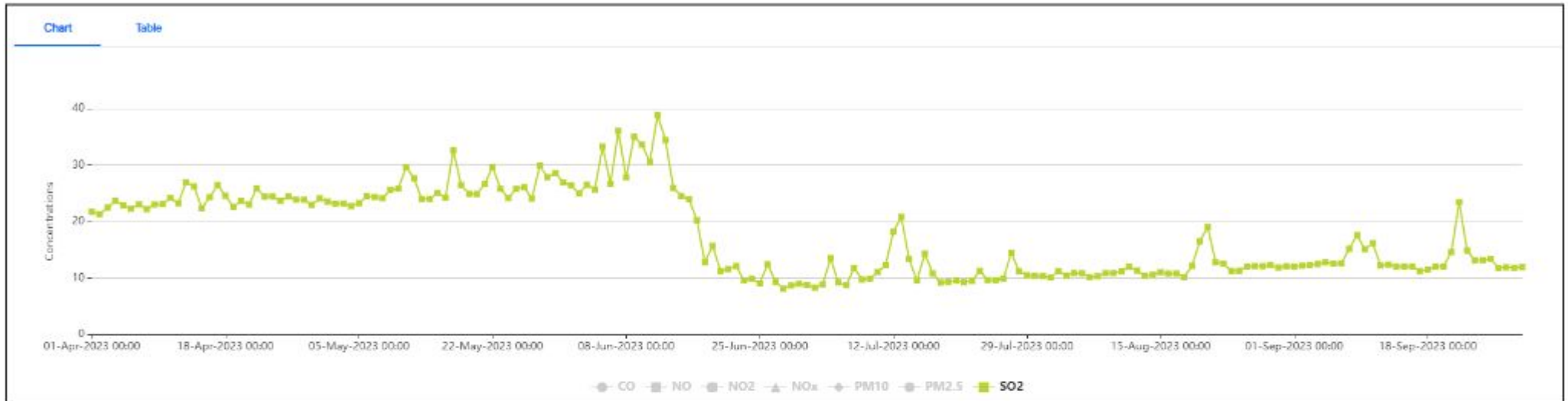
Location : Panchrulia Station
Parameters : PM 2.5



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

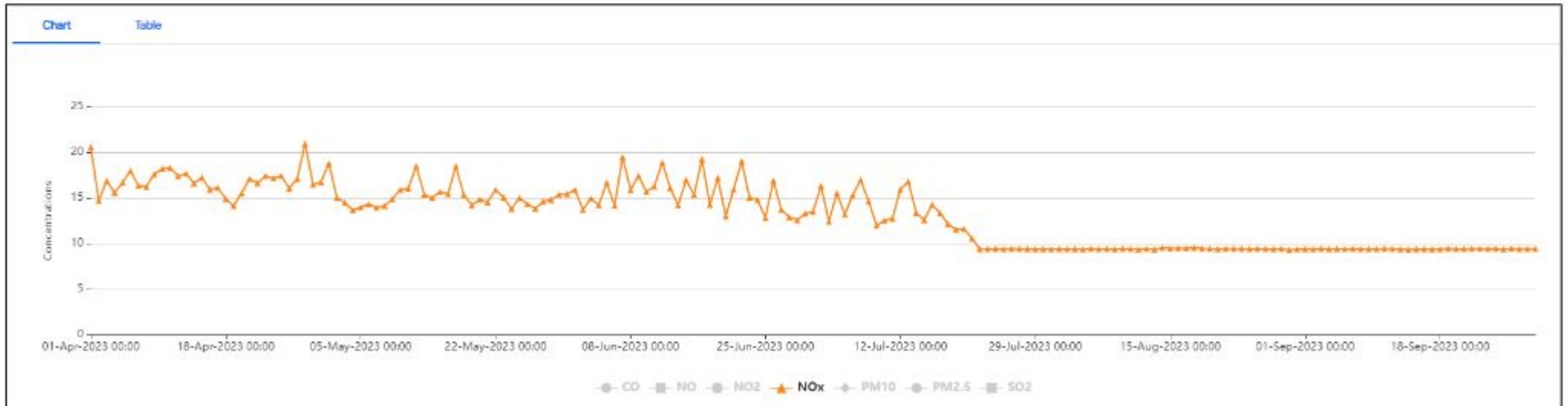
Location : Panchrulia Station

Parameters : SO₂



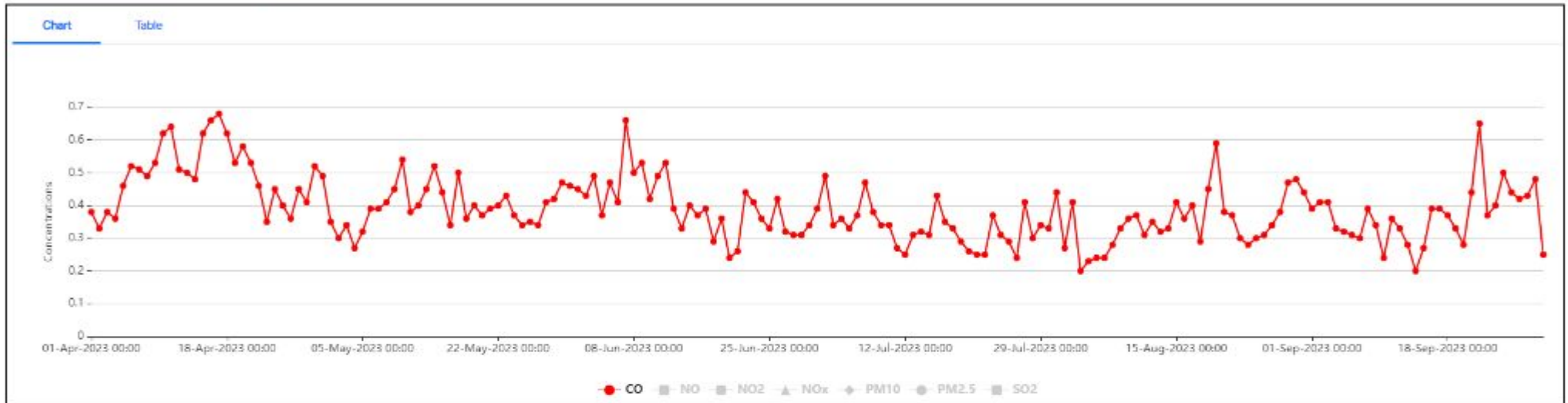
Location : Panchrulia Station

Parameters : NO_x



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

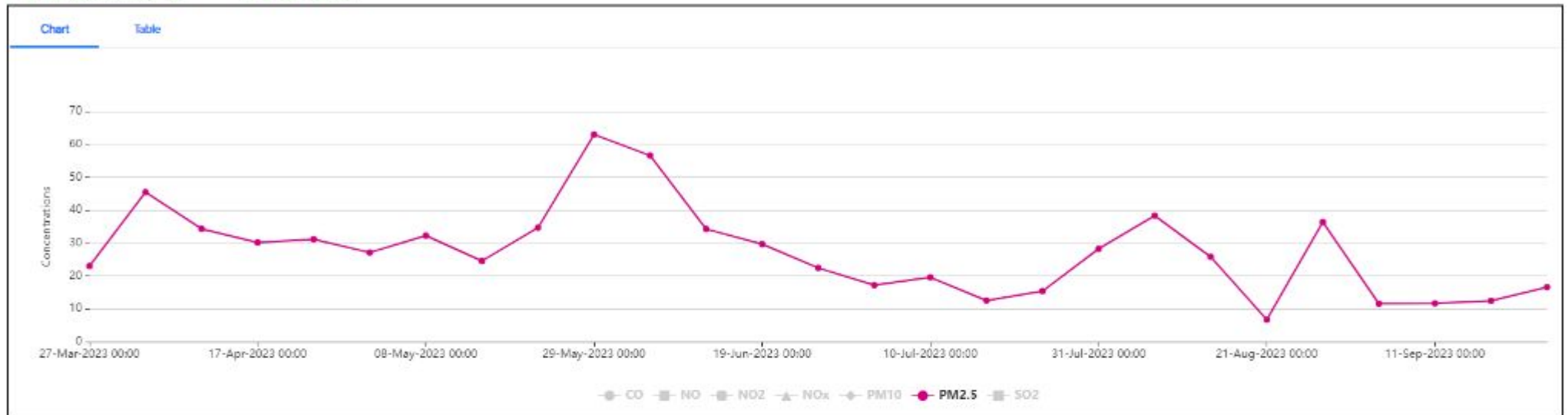
Location : Panchrulia Station
Parameters : CO



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

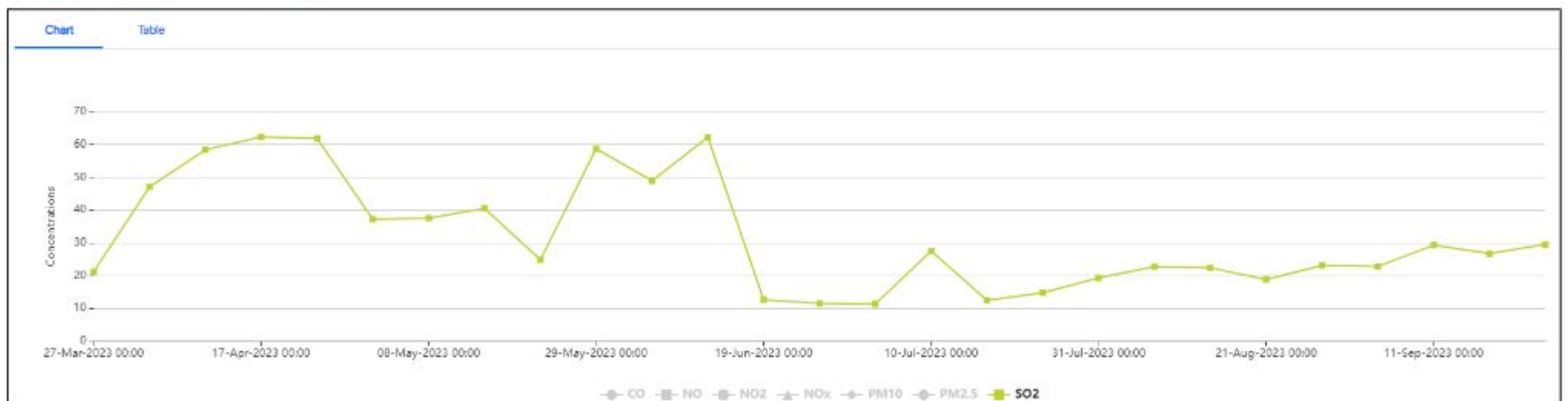
Location : Barkola Station

Parameters : PM 2.5



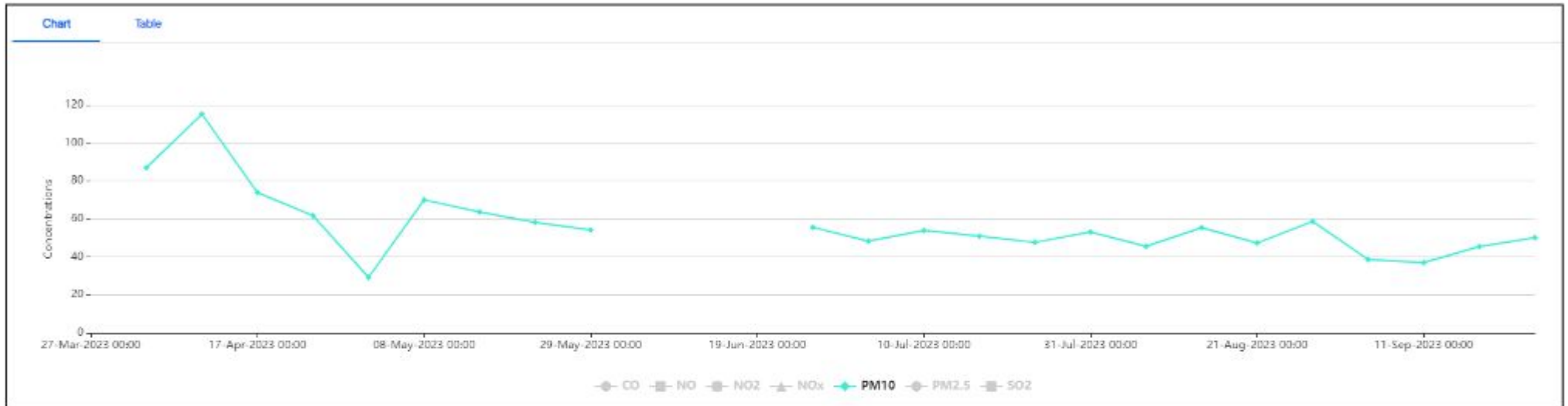
Location : Barkola Station

Parameters : SO2

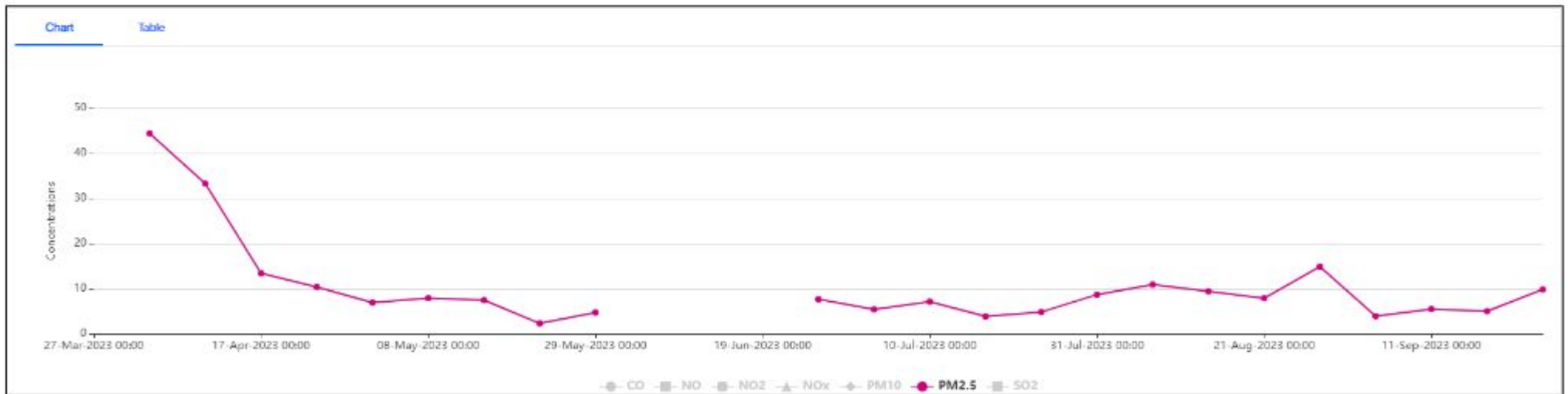


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Location : Rajogram Station
Parameters : PM10

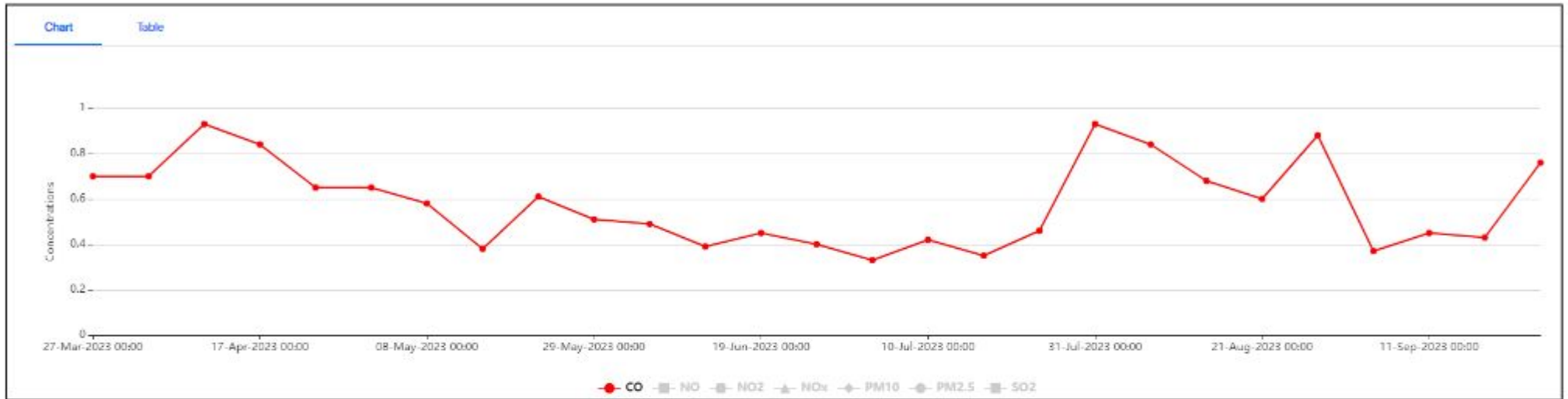


Location : Rajogram Station
Parameters : PM2.5

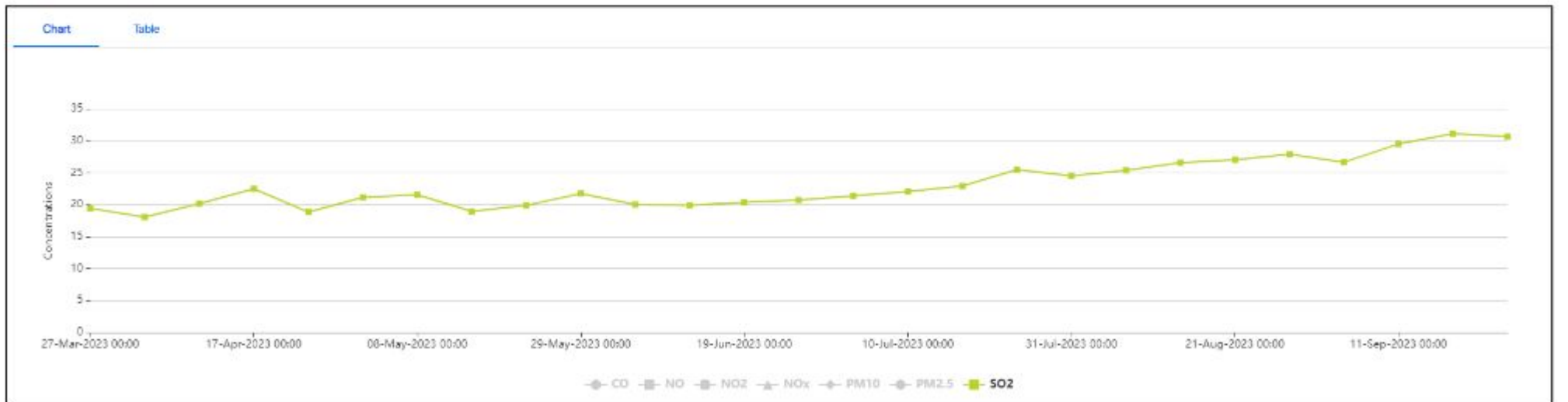


CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Rajogram Station
Parameters : CO



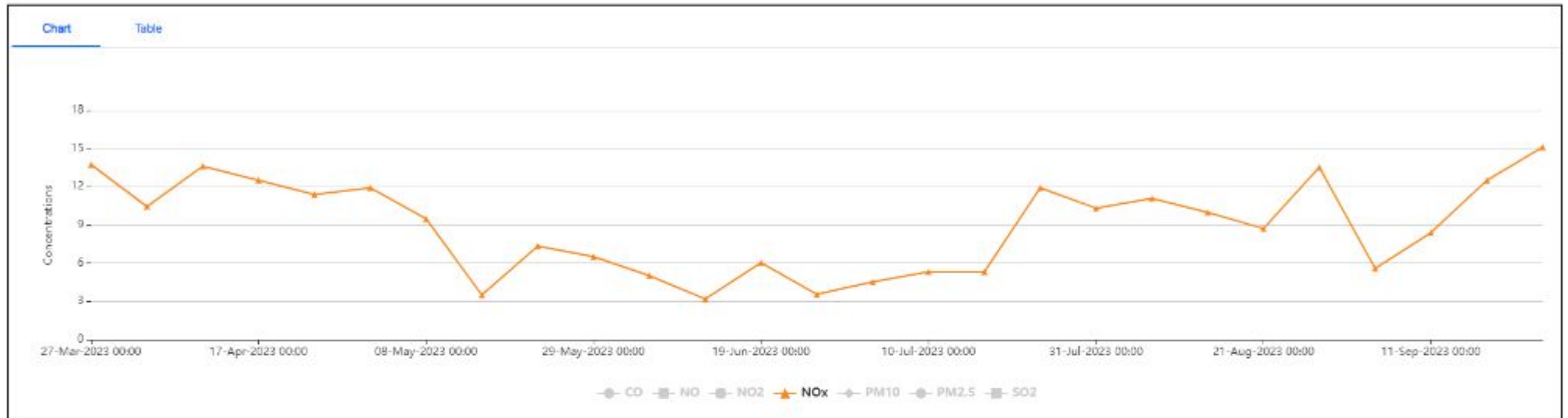
Location : Rajogram Station
Parameters : SO2



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Rajogram Station

Parameters : NOx





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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-11003

TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by	: M/s. Greenvision	U.L.R. No. :	TC1100323000000451F
Report No.	: GV/NL/23-24/070	Sample Ref. ID	: NLM-057-2023(1)
Name of Customer	: M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)	Report Date	: 05.10.2023
Address of Customer	: Mouza : Dekia & Chaksonadhar, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301, W.B.	Date of Sampling	: 20.09.2023
Sample Description	: Noise Level	Total Time	: 1 Hr.
Sampling Location	: Shyamraipur Village	Sampling Method	: IS : 9989 :1981
Noise Level Limit	: Day Time : 55 dB(A), Night Time : 45 dB(A) { Source : The Noise Pollution (Regulation and Control) Rules, 2000}		
Monitoring Details	: Distance from Object : 3.0 Mtr. Height from the Ground : 1.5 Mtr.		
Category of Area	: Residential Area		

Noise Level dB (A)					
Day Time (06:00Hrs to 22:00 Hrs.)			Night Time (22:00 Hrs. to 06:00 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
62.5	55.4	59.1	53.3	47.6	50.0

S. Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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TC-11003

TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1100323000000452F
Report No. : GV/NL/23-24/071 Sample Ref. ID : NLM-057-2023(2)
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II) Report Date : 05.10.2023
Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur, Date of Sampling : 20.09.2023 & 21.09.2023
Dist. : Paschim Medinipur, Pin : 721301, W.B. Total Time : 1 Hr.
Sample Description : Noise Level Sampling Method : IS : 9989 :1981
Sampling Location : Truck Parking Area
Noise Level Limit : Day Time : 75 dB(A), Night Time : 70 dB(A)
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Noise Level dB (A)					
Day Time (06:00Hrs to 22:00 Hrs.)			Night Time (22:00 Hrs. to 06:00 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
62.3	56.7	60.8	53.6	48.7	50.8


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N


U.L.R. No. : TC110032300000453F

Sample is drawn by : M/s. Greenvision
Report No. : GV/NL/23-24/072
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)
Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Noise Level
Sampling Location : Near Plant Main Gate
Noise Level Limit : Day Time : 75 dB(A), Night Time : 70 dB(A)
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Industrial Area

Sample Ref. ID : NLM-057-2023(3)
Report Date : 05.10.2023
Date of Sampling : 20.09.2023 &
21.09.2023
Total Time : 1 Hr.
Sampling Method : IS : 9989 :1981

Noise Level dB (A)					
Day Time (06:00Hrs to 22:00 Hrs.)			Night Time (22:00 Hrs. to 06:00 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
63.9	56.5	61.5	54.7	48.5	51.2


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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TC-11003

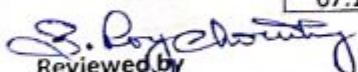
TEST REPORT OF NOISE LEVEL MONITORING

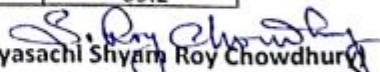
FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision
Report No. : GV/NL/23-24/073
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)
Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Noise Level
Sampling Location : Pellet Plant Area

U.L.R. No. : TC1100323000000454F
Sample Ref. ID : NLM-057-2023(4)
Report Date : 05.10.2023
Date of Sampling : 20.09.2023 &
21.09.2023
Total Time : 24 Hrs.
Sampling Method : IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
08:10 hrs. to 09:10 hrs.	68.7	60.7	65.7
09:10 hrs. to 10:10 hrs.	71.2	64.4	68.2
10:10 hrs. to 11:10 hrs.	68.8	61.7	66.4
11:10 hrs. to 12:10 hrs.	69.2	62.4	66.0
12:10 hrs. to 13:10 hrs.	64.7	58.7	63.3
13:10 hrs. to 14:10 hrs.	67.3	61.0	65.0
14:10 hrs. to 15:10 hrs.	66.0	59.5	63.8
15:10 hrs. to 16:10 hrs.	68.5	60.2	65.1
16:10 hrs. to 17:10 hrs.	70.7	61.4	67.2
17:10 hrs. to 18:10 hrs.	69.2	61.0	65.9
18:10 hrs. to 19:10 hrs.	67.8	60.9	65.0
19:10 hrs. to 20:10 hrs.	65.3	57.3	62.2
20:10 hrs. to 21:10 hrs.	63.6	56.7	61.2
21:10 hrs. to 22:10 hrs.	62.8	55.2	60.3
22:10 hrs. to 23:10 hrs.	67.3	60.8	65.3
23:10 hrs. to 00:10 hrs.	64.0	58.4	62.0
00:10 hrs. to 01:10 hrs.	66.8	57.3	63.0
01:10 hrs. to 02:10 hrs.	67.6	55.9	64.5
02:10 hrs. to 03:10 hrs.	68.1	60.7	65.7
03:10 hrs. to 04:10 hrs.	69.6	62.0	67.0
04:10 hrs. to 05:10 hrs.	69.1	61.4	67.5
05:10 hrs. to 06:10 hrs.	68.2	60.9	65.2
06:10 hrs. to 07:10 hrs.	70.3	62.7	67.5
07:10 hrs. to 08:10 hrs.	71.8	64.4	69.2


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



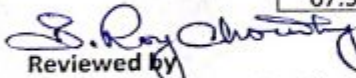
TC-11003

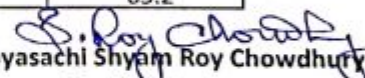
TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1100323000000455F
Report No. : GV/NL/23-24/074 Sample Ref. ID : NLM-057-2023(5)
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II) Report Date : 05.10.2023
Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur, Date of Sampling : 20.09.2023 & 21.09.2023
Dist. : Paschim Medinipur, Pin : 721301, W.B. Total Time : 24 Hrs.
Sample Description : Noise Level Sampling Method : IS : 9989 :1981
Sampling Location : MBF & PCM Area

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
08:50 hrs. to 09:50 hrs.	64.8	55.7	61.4
09:50 hrs. to 10:50 hrs.	64.2	56.4	61.6
10:50 hrs. to 11:50 hrs.	63.4	55.2	61.0
11:50 hrs. to 12:50 hrs.	65.0	56.3	61.9
12:50 hrs. to 13:50 hrs.	62.5	54.8	60.0
13:50 hrs. to 14:50 hrs.	62.0	54.2	59.3
14:50 hrs. to 15:50 hrs.	61.4	53.8	58.8
15:50 hrs. to 16:50 hrs.	60.5	53.3	58.3
16:50 hrs. to 17:50 hrs.	60.1	52.1	56.1
17:50 hrs. to 18:50 hrs.	60.0	51.6	55.8
18:50 hrs. to 19:50 hrs.	62.2	54.4	59.7
19:50 hrs. to 20:50 hrs.	60.7	50.8	55.8
20:50 hrs. to 21:50 hrs.	60.8	51.2	56.0
21:50 hrs. to 22:50 hrs.	61.9	55.6	59.1
22:50 hrs. to 23:50 hrs.	62.2	54.5	58.4
23:50 hrs. to 00:50 hrs.	62.7	53.6	59.3
00:50 hrs. to 01:50 hrs.	67.3	60.8	65.3
01:50 hrs. to 02:50 hrs.	64.0	58.4	62.0
02:50 hrs. to 03:50 hrs.	66.8	57.3	63.0
03:50 hrs. to 04:50 hrs.	67.6	55.9	64.5
04:50 hrs. to 05:50 hrs.	68.1	60.7	65.7
05:50 hrs. to 06:50 hrs.	69.6	62.0	67.0
06:50 hrs. to 07:50 hrs.	69.1	61.4	67.5
07:50 hrs. to 08:50 hrs.	68.2	60.9	65.2


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



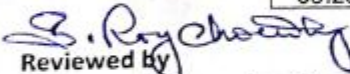
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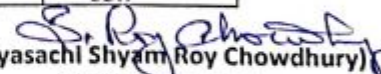
TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by	: M/s. Greenvision	U.L.R. No. :	TC1100323000000456F
Report No.	: GV/NL/23-24/075	Sample Ref. ID	: NLM-057-2023(6)
Name of Customer	: M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)	Report Date	: 05.10.2023
Address of Customer	: Mouza : Dekia & Chaksonadhar, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301, W.B.	Date of Sampling	: 20.09.2023 & 21.09.2023
Sample Description	: Noise Level	Total Time	: 24 Hrs.
Sampling Location	: Near Railway Siding	Sampling Method	: IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
09:20 hrs. to 10:20 hrs.	65.3	58.5	62.3
10:20 hrs. to 11:20 hrs.	68.4	59.7	65.3
11:20 hrs. to 12:20 hrs.	67.6	58.7	64.5
12:20 hrs. to 13:20 hrs.	67.9	62.0	64.9
13:20 hrs. to 14:20 hrs.	68.1	64.2	66.1
14:20 hrs. to 15:20 hrs.	67.8	61.5	64.6
15:20 hrs. to 16:20 hrs.	68.0	59.2	64.8
16:20 hrs. to 17:20 hrs.	65.1	56.7	60.0
17:20 hrs. to 18:20 hrs.	64.3	57.0	61.6
18:20 hrs. to 19:20 hrs.	63.3	55.4	60.5
19:20 hrs. to 20:20 hrs.	62.2	53.3	59.2
20:20 hrs. to 21:20 hrs.	60.6	51.6	57.3
21:20 hrs. to 22:20 hrs.	64.7	57.2	62.2
22:20 hrs. to 23:20 hrs.	62.6	58.3	60.4
23:20 hrs. to 00:20 hrs.	61.9	52.8	58.0
00:20 hrs. to 01:20 hrs.	60.3	51.4	56.5
01:20 hrs. to 02:20 hrs.	62.5	54.3	59.1
02:20 hrs. to 03:20 hrs.	61.7	53.0	57.4
03:20 hrs. to 04:20 hrs.	63.2	55.9	60.7
04:20 hrs. to 05:20 hrs.	62.5	58.0	60.2
05:20 hrs. to 06:20 hrs.	62.0	59.8	60.9
06:20 hrs. to 07:20 hrs.	64.6	59.2	62.9
07:20 hrs. to 08:20 hrs.	65.4	58.5	64.8
08:20 hrs. to 09:20 hrs.	66.1	59.8	65.7


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.

ANNEXURE-VIII

FORM NO. 17A										
Record of Eye Examination										
SL No.	DEPARTMENT/ WORK	NAME OF WORKER	SEX	AGE (on last birthday)	OCCUPATION		EXAMINATION OF EYE SIGHT		SIGNATURE OF OPHTHALMOLOGIST	REMARKS
					NATURE	Date of Employment	Date	Result		
36	NBF-2 Operations	Kalipu riny 31194	M	17.07.1993	Asst. Helper	23.05.2018	22.09.23	BE < 6/6	SAS	Fit
37	NBF-2 Operations	Subhadip Layek. 32507	M	08.01.1996	Engineer	08.09.2020	22.09.23	BE < 6/6	SAS	Fit
38	Oxygen Plant Operations	Sanjay Kumar Singh. 31943	M	05.05.1988	Asst. Manager	10.07.2019	22.09.23	BE < 6/6	SAS	Fit
39	Oxygen Plant Operations	Avishak Das. 32677	M	04.05.1992	Sub Engineer	24.12.2020	22.09.23	BE < 6/6	SAS	Fit
40	Oxygen Plant Operations	Jalanidhar Bagh. 31659	M	28.06.1985	Field Operator	12.02.2019	22.09.23	BE < 6/6	SAS	Fit

Dr. Sanjay Das
 Regd. no. MBBS/1016
 (Ophthalmologist)
 Regd. no. 42401
 Ophthalmologist Sing. of Seal

FORM NO. 17

HEALTH

1. Serial No. in the Register of such worker: 31882
 2. Name of worker: TAMMANA SRINIVAS
 3. Sex: Male

(Prescribed under Rules 63 & 64 of the West Bengal Factories Rules 1950)

Department/Trade	Name of business premises	Employer's name/Address	Name of job or occupation	Age at present, or date of birth if he is under 15	Date of joining	Reason for absence (Specify in case of sick leave)	Signatures of persons concerned during examination
Organ plant		SR. Fishery		21-2-19			
Organ plant		SR. Fishery		21-2-19			

REGISTER

No.

as amended vide Notification No. 1113-LW-18-1/91 dated 27th Nov. 1991
 4. Date of birth: 16.02.1979
 5. Medical examination and the results thereof

If declared unfit for work

Name of job & description of work	Shift/Period	Period of absence when unfit for work	Reason for such withdrawal	Date of declaring unfit for work	Date of being again fit for work	Signature with date of the Factory Medical Officer or the certifying Surgeon
BD 125/BD weekly 8:00-7:00 10/12/2009 - 20/12/2009 General (100%) PFT-PPFE-490/11 PRE-490/11-20-12-09	Day					Dr. S.K. DASGPTA M.B.B.S. D.M.D. Sr. MD. Dept. of Medical Officer 16/12/2009
BD 125/BD weekly 8:00-7:00 10/12/2009 - 20/12/2009 General (100%) PFT-PPFE-490/11 PRE-490/11-20-12-09	Day					Dr. S.K. DASGPTA M.B.B.S. D.M.D. Sr. MD. Dept. of Medical Officer 16/12/2009

Note - 1. Absent days should be mentioned for individual worker.
 2. Absent days should be made for each examination.

FORM NO. 17

HEALTH

1. Serial No. in the Register of adult worker: 21889
 2. Name of worker: DADALA PREM SUNDRAM
 3. Sex: Male
 (Prescribed under Rules 61 & 94 of the West Bengal Factories Rules 1950)

Department/Trade	Name of Employer/Factory	Designation of worker	Name of person in charge	Date of entry in the register	Date of leaving the register	Reason for leaving the register	Signature of person in charge
MECH		SR. Foreman		25-10-58			
MECH		SR. Foreman		25-10-58			

REGISTER

as amended with Notification No. 1181-LW-BR-141 dated 27th Nov. 1991
 4. Date of birth: 25-10-1921
 5. Medical examination and the results thereof

Date of entry in the register	Name of worker	Sex	Date of medical examination	Result of medical examination	If declared unfit for work		
					Reason for such declaration	Date of re-examination	Signature and Date of the Factory Medical Officer or Licensing Officer
25-10-58	DADALA PREM SUNDRAM	Male	25-10-58	Fit			
25-10-58	DADALA PREM SUNDRAM	Male	25-10-58	Fit			

Form 17 - Register page should be maintained for individual worker.
 2. First copy should be made for each establishment.

No.

[Handwritten Signature]
 DR. M. M. MUKHERJEE
 M.D.S. D.V.S.M.
 Factory Medical Officer
 25-10-58

FORM NO. 17

HEALTH

1. Serial No. in the Register of adult worker: 33376 [Provided under Rules 63 & 64 of the West Bengal Factories Rules 1950]
2. Name of worker: SOURAV DAS
3. Sex: MALE

1	2	3	4	5	6	7	8	9
Department	Name of the worker	Designation	Shift of work	Date of birth	Date of joining	Reason for absence	Signature	Remarks
Division of...		Health worker		15-05-22				
Division of...		Health worker		15-05-22				

REGISTER

1. Serial No. in the Register of adult worker: 33376
2. Name of worker: SOURAV DAS
3. Sex: MALE
4. Date of birth: 15.05.22
5. Medical examination and the results thereof

1	2	3	4	5	6	7
Name of the worker	Age	Period of absence	Reason for absence	Date of joining	Date of leaving	Signature of the person
M. P. S. Group - B (M)	FFI					
REG. NO. 1204						
REG. NO. 1205						
REG. NO. 1206						
REG. NO. 1207						
REG. NO. 1208						
REG. NO. 1209						
REG. NO. 1210						
REG. NO. 1211						
REG. NO. 1212						
REG. NO. 1213						
REG. NO. 1214						
REG. NO. 1215						
REG. NO. 1216						
REG. NO. 1217						
REG. NO. 1218						
REG. NO. 1219						
REG. NO. 1220						
REG. NO. 1221						
REG. NO. 1222						
REG. NO. 1223						
REG. NO. 1224						
REG. NO. 1225						
REG. NO. 1226						
REG. NO. 1227						
REG. NO. 1228						
REG. NO. 1229						
REG. NO. 1230						
REG. NO. 1231						
REG. NO. 1232						
REG. NO. 1233						
REG. NO. 1234						
REG. NO. 1235						
REG. NO. 1236						
REG. NO. 1237						
REG. NO. 1238						
REG. NO. 1239						
REG. NO. 1240						
REG. NO. 1241						
REG. NO. 1242						
REG. NO. 1243						
REG. NO. 1244						
REG. NO. 1245						
REG. NO. 1246						
REG. NO. 1247						
REG. NO. 1248						
REG. NO. 1249						
REG. NO. 1250						
REG. NO. 1251						
REG. NO. 1252						
REG. NO. 1253						
REG. NO. 1254						
REG. NO. 1255						
REG. NO. 1256						
REG. NO. 1257						
REG. NO. 1258						
REG. NO. 1259						
REG. NO. 1260						
REG. NO. 1261						
REG. NO. 1262						
REG. NO. 1263						
REG. NO. 1264						
REG. NO. 1265						
REG. NO. 1266						
REG. NO. 1267						
REG. NO. 1268						
REG. NO. 1269						
REG. NO. 1270						
REG. NO. 1271						
REG. NO. 1272						
REG. NO. 1273						
REG. NO. 1274						
REG. NO. 1275						
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REG. NO. 1289						
REG. NO. 1290						
REG. NO. 1291						
REG. NO. 1292						
REG. NO. 1293						
REG. NO. 1294						
REG. NO. 1295						
REG. NO. 1296						
REG. NO. 1297						
REG. NO. 1298						
REG. NO. 1299						
REG. NO. 1300						

1. Name and address of the worker should be indicated for individual worker
2. Final entry should be made for each worker.

FORM NO. 17

HEALTH

1. Serial No. in the Register of adult worker: 32508
 2. Name of worker: RAKESH JAMANTA
 3. Sex: M

[Prescribed under Rules 43 & 94 of the West Bengal Factories Rules 1950]

Department	Name of the worker	Designation	Position of job or certificate	Date of birth	Date of last medical examination	Reason for absence from work	Special instructions
M&E	Jamanta	Engineer		05-07-76			
M&E	Jamanta	Engineer		05-07-76			

REGISTER

No.

as amended with Notification No. 100-LW-20-091 dated 27th Nov. 1991
 4. Date of birth: 05-05-1976
 5. Medical examination and the result thereof

If declared unfit for work

Name of the worker	Health	Medical examination	Reason for work	Date of return to work	Date of issue of Certificate	Signature with date of the Doctor
BP-12175-1009, AUC 35- Group-2 (A) RAKESH U-1-2009 PE 10-5/10/11 RFR-1078/1009	Fit					DR. J.N. SAHA M.B.B.S., B.A.M.S. (M.D. Calcutta School of Ayurveda)
BP-12175-1009, AUC 35- 10/11, M.S. 10-10-11 U-1-2009, RFR-1078/1009 RFR-1078/1009	Fit					DR. J.N. SAHA M.B.B.S., B.A.M.S. (M.D. Calcutta School of Ayurveda)

Note—1. Signature must be mentioned for individual worker.
 2. First copy must be made for each examination.

FORM NO. 17

HEALTH

1. Social No. in the Register of each worker: 31196

[Prescribed under Rules 63 & 94 of the West Bengal Factories Rules 1950]

2. Name of worker: KIMDI SENU

3. Sex: M/F

Department	Name of Supervisor	Designation of Supervisor	Position of Job or Occupation	Has medical problem or symptoms (date to be reported)	Date of Injury	Date of Onset of Illness	Reason for absence (date to start work)	Special conditions attached during absence
MSP-2 operation			Asst Manager		25-6-18			
MSP-2 operation			Asst Manager		25-6-18			

Notes: - Entries may be entered for individual worker.
- All entries should be made for each day.

REGISTER

No.

as amended vide Notification No. 1181-L/20-19 dated 27th Nov. 1991

4. Date of birth: 06-06-1978

5. Medical examination and the results thereof

If declared unfit for work

When (date & time) found	Result of Test	Period of absence (date & time) from the work	Reason for such absence	Date of resumption of work	Date of being fit for work	Signature and Date of the Person Making the Entry
BE-112/20/000/2000/24	fit					<i>[Signature]</i> 23/12/23
RAJ. 72. msh. 14-681g						
Ques. 0 (100)						
P.E.P. 520/1000- 94g						
BRC 6						
Dep-125/20000 P-794						
CRG-120000, 04 624	fit					<i>[Signature]</i> 23/12/23
10 Wm. P.T.R. 5012m						
T.R. 5014- 1500						

[Handwritten signatures and dates in the Register table]

FORM NO. 17

HEALTH

1. Serial No. in the Register of adult workers: 31943
 2. Name of worker: SANJAY KUMAR SINGH
 3. Sex: MALE

[Prescribed under Rules 63 & 91 of the West Bengal Factories Rules 1918]

Inspected under	Name of health officer	Department (including sub-department)	Name of job or occupation	Are medical records of the worker kept in the record file	Date of entry	Date of last medical examination	Reason for absence/entry in record file	Remarks (including special duty assignments)
1	2	3	4	5	6	7	8	9
Oxygen plant operation			Asst. Manager		31-03-17			
Oxygen plant operation			Asst. Manager		30-3			

REGISTER

No.

as amended vide Notification No. 101-EWRB-191 dated 27th Nov. 1991
 4. Date of birth: 05-08-1988
 5. Medical examination and the results thereof

If declared unfit for work

Name of job or occupation	Result of test	Period of absence (including time taken for rest)	Remarks (including special duty assignments)	Date of medical examination for the work	Date of issue of Certificate	Signature and date of the Medical Officer of the Factories Region
10	11	12	13	14	15	16
BP-125/Pressure Gauge	Fit					<i>Sanjay Singh</i> M.B.B.S. (D.P.M.C.) M.D. (General Pathology) M.D. (Microbiology) M.D. (Biochemistry) M.D. (Immunology) M.D. (Clinical Pathology) M.D. (Forensic Medicine) M.D. (Community Medicine) M.D. (Pediatrics) M.D. (Surgery) M.D. (Orthopedics) M.D. (Anesthesiology) M.D. (Radiology) M.D. (Neurology) M.D. (Nephrology) M.D. (Oncology) M.D. (Geriatrics) M.D. (Hematology) M.D. (Infectious Diseases) M.D. (Allergy & Immunology) M.D. (Cardiology) M.D. (Endocrinology) M.D. (Gastroenterology) M.D. (Hepatology) M.D. (Intensive Care Medicine) M.D. (Laboratory Medicine) M.D. (Legal Medicine) M.D. (Maternal & Child Health) M.D. (Neonatology) M.D. (Ophthalmology) M.D. (Otorhinolaryngology) M.D. (Plastic Surgery) M.D. (Sports Medicine) M.D. (Urology) M.D. (Vascular Medicine) M.D. (Wound Healing)
Sp. Balgometer	Fit					<i>Sanjay Singh</i> M.B.B.S. (D.P.M.C.) M.D. (General Pathology) M.D. (Microbiology) M.D. (Biochemistry) M.D. (Immunology) M.D. (Clinical Pathology) M.D. (Forensic Medicine) M.D. (Community Medicine) M.D. (Pediatrics) M.D. (Surgery) M.D. (Orthopedics) M.D. (Anesthesiology) M.D. (Radiology) M.D. (Neurology) M.D. (Nephrology) M.D. (Oncology) M.D. (Geriatrics) M.D. (Hematology) M.D. (Infectious Diseases) M.D. (Allergy & Immunology) M.D. (Cardiology) M.D. (Endocrinology) M.D. (Gastroenterology) M.D. (Hepatology) M.D. (Intensive Care Medicine) M.D. (Laboratory Medicine) M.D. (Legal Medicine) M.D. (Maternal & Child Health) M.D. (Neonatology) M.D. (Ophthalmology) M.D. (Otorhinolaryngology) M.D. (Plastic Surgery) M.D. (Sports Medicine) M.D. (Urology) M.D. (Vascular Medicine) M.D. (Wound Healing)

Note: 1. Report page should be submitted to the industrial manager.
 2. This form is valid for 12 months from the date of issue.

FORM NO. 17

HEALTH

1. Serial No. in the Register of adult workers: 51990
 2. Name of worker: SHACHI BUDHAN GUPTA
 3. Sex: male

[Prescribed under Rules 63 & 94 of the West Bengal Factories Rules 1948]

Department/Work	Name of Machine/Plant	Machine/Plant/Installation	Name of Job/Work	Has medical certificate or registration book in his possession?	Date of issue	Date of expiry	Reason for failure/omission to carry work	Has certificate/registration book attached
M/E-1 operation			Self Gen. Manager		19-11-18			
M/E-2 operation			Self Gen. Manager		19-11-18			

REGISTER

No.

as amended with Notification No. 1182-LW-IB-1/91 dated 20th Nov. 1991
 4. Date of birth: 05-12-1970
 5. Medical examination and the results thereof

If declared unfit for work

Particulars of health exam.	Result	Period of temporary withdrawal from the work	Reason for work withdrawn	Date of return to work	Date of issue of Certificate	Signature and Seal of the Factory Medical Officer in charge of the Register
BP-102/75 mmHg Rms-94 wt-72kg Rsa-normal Grade-A (4+) P-R-T-100%PRE-42/44 D.E.C.G.	Fit					<i>[Signature]</i> DR. B. C. GUPTA M.B.B.S. D.Ortho D.M.D. (D) in Orthodontics D.S.S. (D) in Orthodontics D.S.S. (D) in Orthodontics D.S.S. (D) in Orthodontics
BP-102/75 mmHg P-84 wt-76kg Rms-100%PRE-42/44 P-R-T-100%PRE-42/44 D.E.C.G.	Fit					<i>[Signature]</i> DR. B. C. GUPTA M.B.B.S. D.Ortho D.M.D. (D) in Orthodontics D.S.S. (D) in Orthodontics D.S.S. (D) in Orthodontics

Note - 1. Separate copy should be maintained for individual worker.
 2. Read with regard to both for both examination.



GREENVISION

(A leading environmental research laboratory)

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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF WATER ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

Sample submitted and identified by customer as : N.A.

U.L.R. No. : TC1100323000000457F

Report No. : GV/WW/23-24/125

Sample Ref. ID : WS-111-2023(1)

Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)

Report Date : 05.10.2023

Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.

Date of Sampling : 21.09.2023

Sample Description : Waste Water

Date of Receiving : 22.09.2023

Sampling Location : STP Outlet

Analysis Started on : 23.09.2023

Sample Condition : In Glass Bottle & Plastic Bottle

Analysis Completed on : 28.09.2023

Type of Sample : Industrial Waste Water

Time of Sampling : 03:30 pm

Testing Location : At Laboratory

Sampling & Preservation Method : APHA 24th EDITION, 1060

PARAMETERS	TEST METHOD	UNIT	RESULTS
pH	APHA 24 th EDITION, 4500-H+B	---	6.72
Total Suspended Solid(TSS)	APHA 24 th EDITION, 2540 D	mg/l	19.4
Chemical Oxygen Demand (COD)	APHA 24 th EDITION, 5220 B	mg/l	67.2
Biochemical Oxygen Demand (BOD)	IS:3025, P-44, 1993, Reaffirmed 2014	mg/l	10.3
Oil & Grease	APHA 24 th EDITION, 5520 A	mg/l	2.9

S. Roy Chowdhury
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

S. Roy Chowdhury
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.
3. Retention period of tested sample is 1 month from the date of issue test report unless otherwise specified.



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TC-11003

TEST REPORT OF WATER ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

Sample submitted and identified by customer as : N.A.

U.L.R. No. : TC1100323000000458F

Report No. : GV/WW/23-24/126

Sample Ref. ID : WS-111-2023(2)

Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)

Report Date : 05.10.2023

Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.

Date of Sampling : 21.09.2023

Sample Description : Waste Water

Date of Receiving : 22.09.2023

Sampling Location : ETP Inlet

Analysis Started on : 23.09.2023

Sample Condition : In Glass Bottle & Plastic Bottle

Analysis Completed on : 28.09.2023

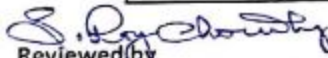
Type of Sample : Industrial Waste Water

Time of Sampling : 04:15 pm

Testing Location : At Laboratory

Sampling & Preservation Method : APHA 24th EDITION, 1060

PARAMETERS	TEST METHOD	UNIT	RESULTS
pH	APHA 24 th EDITION, 4500-H+B	---	7.83
Total Suspended Solid(TSS)	APHA 24 th EDITION, 2540 D	mg/l	92.0
Chemical Oxygen Demand (COD)	APHA 24 th EDITION, 5220 B	mg/l	106.92
Biochemical Oxygen Demand (BOD)	IS:3025, P-44, 1993, Reaffirmed 2014	mg/l	15.5
Oil & Grease	APHA 24 th EDITION, 5520 A	mg/l	4.02


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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TC-110G3

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF WATER ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

Sample submitted and identified by customer as : N.A.

U.L.R. No. : TC1100323000000459F

Report No. : GV/WW/23-24/127

Sample Ref. ID : WS-111-2023(3)

Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)

Report Date : 05.10.2023

Address of Customer : Mouza : Dekia & Chaksonadhar, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.

Date of Sampling : 21.09.2023

Sample Description : Waste Water

Date of Receiving : 22.09.2023

Sampling Location : ETP Outlet

Analysis Started on : 23.09.2023

Sample Condition : In Glass Bottle & Plastic Bottle

Analysis Completed on : 28.09.2023

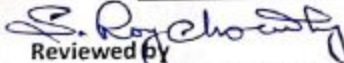
Type of Sample : Industrial Waste Water

Time of Sampling : 04:30 pm

Testing Location : At Laboratory

Sampling & Preservation Method : APHA 24th EDITION, 1060

PARAMETERS	TEST METHOD	UNIT	RESULTS
pH	APHA 24 th EDITION, 4500-H+B	---	7.47
Total Suspended Solid(TSS)	APHA 24 th EDITION, 2540 D	mg/l	24.6
Chemical Oxygen Demand (COD)	APHA 24 th EDITION, 5220 B	mg/l	58.04
Biochemical Oxygen Demand (BOD)	IS:3025, P-44, 1993, Reaffirmed 2014	mg/l	9.2
Oil & Grease	APHA 24 th EDITION, 5520 A	mg/l	2.8


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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End of the report.....

City Office : 84/10, Roy Bahadur Road, Behala, Kolkata-700 034, Ph. : 9433158173

Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 8101647425 M.N. Sarkar Road, Mahananda Para, Siliguri-734001