
Six Monthly (June-2023) Compliance Report for Period October 2022 to March 2023 Induction Furnace 15 x 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) by M/s Orissa Metaliks Private Limited, at Mouza-Mathurakismat & Amba, Village-Gokulpur, P.O.-Shyamraipur, District-Paschim Midnapore (W.B.)

1 message

ORISSA METALIKS <orissametalikspvtltd@gmail.com>

Fri, May 26, 2023 at 11:28 AM

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

Bcc: Biswanath Sharma <biswanath@rashmigroup.com>, ompl1.environment@rashmigroup.co.in, bijayen.srivastava@rashmigroup.com

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2022 to March 2023 for expansion EC under clause 7(II) of EIA Notification vide EC No-3311/EN/T-II-I/016/2018 dated 03.10.2018 for Induction Furnace 15 x 20 T (0.9 MTPA), Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) in soft copy vide mail issued in suppression of earlier EC No-2707/EN/T-TT-I/074I2015 dated 07.12.16.

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.

With warm Regards,

Authorised Signatory

M/s. Orissa Metaliks Private Limited

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

Tel : 91 33-22894255/ 56

Fax : 91 33-22894254

Mbl. No-07044070948

 **Compliance OMPL_JUNE-2023.pdf**
14450K

ORISSA METALIKS PRIVATE LIMITED

REGD. OFFICE : 1, GARSTIN PLACE, 'ORBIT HOUSE', 3RD FLOOR, ROOM NO. 3B, KOLKATA - 700 001, INDIA
Phone : +91-33-2243-8518, Fax : +91-33-2243-8517, E-mail : sc_ompl@orissametaliks.com
Website : www.orissametaliks.com, CIN : U27109WB2006PTC111146

Ref. OMPL/ENV COMPL / June-2023

Date:-26.05.2023

To,

**Integrated Reginal Office,
Ministry of Environment, Forests & Climate Change
Kolkata IB – 198, Sector-III, Salt Lake City– 700106
West Bengal**

Sub. Six Monthly (June-2023) Compliance Report for Period October 2022 to March 2023
Induction Furnace 15 x 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) by **M/s Orissa Metaliks Private Limited**, at Mouza-Mathurakismat & Amba, Village-Gokulpur, P.O.-Shyamraipur, District-Paschim Midnapore (W.B.)

Ref: - EC No-3311/EN/T-II-I/016/2018 dated 03.10.2018

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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.

Yours Faithfully,

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

Authorized Signatory

C.C:-

- 1. The Member Secretary, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block – LA, Sector – III, Kolkata – 700091**
- 2. The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Department of Environment, Govt. of West Bengal, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt lake, Sector-III, Bidhannagar, Kolkata-7000106**

Enclosures:-

1. Compliance Report for subject EC
2. Fugitive Monitoring Report is enclosed as Annexure-I.
3. Stack Monitoring Report as Annexure-II.
4. Online Stack Monitoring Report (OCEMS) as Annexure-III.
5. Copy of AAQ Monitoring Report as Annexure-IV.
6. CAAQMS data from 03 stations as Annexure-V.
7. TCLP test for SMS slag as Annexure-VI.
8. Copy of Noise (Ambient & Work Zone) as Annexure-VII.
9. OHS record is enclosed as Annexure-VIII.

**SIX MONTHLY COMPLIANCE
REPORT
(JUNE-2023)
FOR**

Project Name- Induction Furnace 15 x 20 T (0.9 MTPA), 0.84 MTPA Rolling Mill (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based)

EC No-3311/EN/T-II-I/016/2018 dated
03.10.2018

**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

Ph No.-033 – 22438518

Email id-orissametalikspvtltd@gmail.com

Name of the Project: -

Induction Furnace 15 x 20 T (0.9 MTPA), 0.84 MTPA Rolling Mill (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based) by M/s Orissa Metaliks Pvt. Ltd.

Clearance Letter/s No. and date: -

EC No- 3311/EN/T-II-I/016/2018 dated 03.10.2018

Period of Compliance Report -

October'2022 to March '2023

S.No	CONDITION				COMPLIANCE STATUS	
1	Existing project as per EC: - Induction Furnace 15 X 20 T (0.9 MTPA), Rolling Mill 0.84 MTPA with 45 MW CPP.				Noted	
2	Project after proposed expansion and change in product mix & configuration of plant :- Induction Furnace 15 X 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with 45 MW Coal Dolochar Mix based Captive Power Plant				Noted	
3	Project Location: - Mouza-Mathurakismat (J.L. no. 114) & Amba (J.L. No. 115), Village- Gokulpur, P.O-Shyamraipur, P.S-Kharagpur, Dist.-Paschim Medinipur, West Bengal. Latitude: 22°22'36.54" N, Longitude: 87°17'05.15" E				Noted	
4	Main plant	Unit	Existing	Additional	Total	Noted
Induction Furnace with matching LRF and CCM		10 X 20 T	5 X 20 T	15 X 20 T		
Rolling Mill		0.55 MTPA	Hot Rolling Mill- 2,50,000 TPA	8,40,000 TPA		
			Cold Rolling Mill- 40,000 TPA			
Captive Power Plant	45 MW - (1 X 200 TPH-Coal Dolochar Based)	-	45 MW (1 X 200 TPH-Coal Dolochar Based)			
Products	Product	Existing Permission	Additional	Total		
	MS Billet	6,00,000 TPA	3,00,000 TPA	9,00,000 TPA		
	TMT bars, wire & Wire Rod	0.55 MTPA	TMT bars, Wire & Wire Rod- 2,50,000 TPA	6,50,000 TPA		
			Wire/Coil, Flat Sheet & Nails- 40,000 TPA	1,90,000 TPA		
	Captive Power Plant (CFBC Based)	45 MW (Coal Dolochar Mix based)	-	45 MW (coal Dolochar Mix Based)		
5	Total Raw Materials Requirement: - Sponge Iron: 7,91,000 TPA, Steel Scrap/Pig Iron: 2,60,000 TPA, Lime Stone/Dolomite: 52,000 TPA, Ferro Alloy: 7,300 TPA, Coal; 1,12,200 TPA & Dolochar: 2,00,000				Noted	



TPA

6 Land: - Existing Plant area is 30 Acres. The expansion / modification will be within the existing plant premises only. Greenery will be developed in 11.22 acres (37 %).

In the financial year 2022-23, around 2697 nos. of trees were planted and the survival rate is 96.0%. Total area covered in green belt is 33%. The Green Belt details are as follows:

Sl. No.	Species Planted	Quantity in Numbers					
1	Gulmohar	1120					
3	Neem	92					
4	Bakul	24					
5	Chhatim	200					
6	Mahogany	200					
7	Bottle Palm	39					
8	Sonajhuri	146					
9	Kadam	152					
10	Nerium	108					
11	Yellow Oleander	90					
12	Arjun	220					
13	Sissoo	185					
14	Tabebuia rosea	40					
15	Gamar	81					
Survival of plantation		Before 2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Total Seedling/Plantation (No.)		2000	2000	1,000	4,000	4,000	2697
Survival Trees (No) as on date from date of EC		1,000	1,500	960	3,840	3,840	2589
Survival		50 %	75 %	96 %			
TOTAL SURVIVAL TREES/ SAPLING TILL DATE		13,729					
Area Covered (Acres)		10.3					





7 Project Cost: project cost 290 Crores as per earlier EC. Project Cost remains same as investment for proposed proposal as 25 MW CPP will not be installed and its place 05 no. I.F. with Rolling Mill is proposed.
Pollution Control Cost: no change in project Cost because of proposed proposal. Capital cost: Rs. 20.00 Crores; recurring cost: Rs. 2.00 Crores/ Annum remain same.

Noted
Adequate fund provision (Rs 20 Crores capital cost & Rs 2.0 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose. The detail about the Recurring Cost on Environmental Safeguard for current operational plant is :

Year	Particulars	Narration	Amount
2022-2023 (Oct. To March)	Green Belt Development	Maintenance, labour cost etc.	2,21,200
	House Keeping	Labour charges, Drainage Cleaning and other materials	4,61,800
	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	2,15,000
	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	14,18,590
TOTAL (INR)			23,16,590

8 Make-up water Consumption: make up water requirement is 2712 KLD.
Source: Existing Bore well/ Rainwater Harvesting

Noted
Orissa Metaliks Private Limited has already obtained sufficient permission for Ground water withdrawal & Surface water (from river



	Pond.					Kansabati) from SWID West Bengal.
9	Manpower : Total- 350					Noted
10	Air pollution Control device Detail					Noted and being complied with by holding & subsidiary company both.
	Unit Name	Configuration	APC & Stack Detail			
	Induction furnace with LRF & CCM	15 X 20 T	03 no Bag Filter with 03 no. stack of 35 meter			
	Hot Rolling Mill with induction heater	6,50,000 TPA	----			
	Cold Rolling Mill with Annealing heater	1,90,000 TPA				
	45 MW- CFBC based CPP (Dolochar Coal mix based)	1 x 200 TPH	ESP Stack. 1 no., 75 m			
11	Solid waste	Sl. No	Solid Waste	Revised Quantity generation (TPA)	Solid Waste management	<p>Noted and being complied with</p> <p>Slag is being used for Road Construction. Low land levelling & paver Bock making.</p> <p>Solid waste (dust as collected in the de-dusting System) from SMS is used in the pellet plant as palletisation mix.</p> <p>Environmental statement for financial year 2021-22 in prescribed format has been submitted to WBPCB vide letter no-OMPL/ENV_Statement/2022-2023 dated 23.09.2022.</p>
		1	Slag and Dust from Induction Furnace	1,71,125	Slag to be used for Road Construction . Low land-filling & paver Bock making after recovering metal from slag crushing unit. Solid waste (dust as collected in the Dedusting System) from SMS will be used in the pellet plant as palletisation mix.	
		2	Mill scale and scraps from Rolling Mill & CCM	34,800	Used as raw material in SMS Plant	



		3	Fly Ash	96,150	Used as a raw material for cement manufacturing / brick manufacturing.	
		4	Bottom Ash	55,730	Used for land filling/road construction purpose.	
12	Power requirement: 157 MW					Noted
13	Applicability of EIA Notification 2006: Category B1 [3 (a): metallurgical Industry (ferrous & Non Ferrous) & 1 (d) Thermal power Plant]					Noted

SL. NO	SPECIFIC CONDITION	COMPLIANCE STATUS						
1	The gaseous emissions from various process units should conform to the load/mass-based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.	<p>Being complied</p> <p>SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Necessary measures have been adopted by the management for preventing gaseous emission for operational plant.</p> <p>Load/mass-based standards for the financial year 2021-2022 has been submitted in the prescribed format with Environmental Statement to the West Bengal Pollution Control vide letter no- OMPL/ENV_Statement/2022-2023 dated 23.09.2022</p> <p>Fugitive emission analysis is being done on regular basis by M/s Qualissure Laboratory Services West Bengal which is NABL/ WBPCB accredited laboratory. The analysis data as per report (March 2023) are:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Near SMS Area</th> <th>Near Truck Parking Area</th> </tr> </thead> <tbody> <tr> <td>SPM ($\mu\text{g}/\text{m}^3$)</td> <td>296</td> <td>323</td> </tr> </tbody> </table> <p>Fugitive monitoring reports are attached as Annexure No.-I.</p>	Parameter	Near SMS Area	Near Truck Parking Area	SPM ($\mu\text{g}/\text{m}^3$)	296	323
Parameter	Near SMS Area	Near Truck Parking Area						
SPM ($\mu\text{g}/\text{m}^3$)	296	323						
2	Induction furnaces should be provided with fume extraction and dedicated pollution control systems consisting of Swivelling Hood, Spark Arrestor cum Cyclone separator, Bag Filter, ID Fan etc. and stack of height 30m from G.L. as proposed. Secondary fume extraction system with adequate side suction should be provided to prevent fugitive emission during charging. Adequate dust extraction system to be provided with re-heating furnace of rolling mills. Stack emission (PM) should not exceed 50 mg/Nm ³ . Stack emissions should be monitored at regular intervals and records should be maintained.	<p>Being complied</p> <p>24 x 7 continuous emission monitoring system have been installed as per CPCB guideline at process stacks to monitor stack emission and the data are being transferred to CPCB online server. Existing SMS with LRF are equipped with bag filters, hood and I.D. Fans. All bag houses are design to meet the standard below 50 mg/Nm³.</p> <p>Stack monitoring of the currently operating units is carried out on regular basis by W.B.P.C.B/ NABL/ MoEF authorized</p>						



		<p>laboratories. Stack monitoring report is enclosed as Annexure-II.</p> <p>Also, as per CPCB guidelines OCEMS (Particular Matter) is installed and data is continuously being transferred to CPCB server. Six monthly data of OCEMS is enclosed as Annexure-III.</p>																		
3	Dust collection from Bag filter should be done through pneumatic control system. Collected dust is to be sold for land filling subject to the condition that it does not fall under the Hazardous wastes (Management, Handling and Transboundary Movement) Rules, 2008.	<p>Being Complied</p> <p>As stated earlier SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. For the operational plant, Dust collection from Bag filter is done through pneumatic control system and is used for levelling, in pellet making etc.</p> <p>For the proposed remaining units same will be adopted.</p>																		
4	High efficiency ESPs should be installed in CPP to ensure that particulate emission does not exceed 50 mg/Nm ³ . Adequate dust extraction system and water spray system in dust prone areas such as coal handling plant & ash handling plant & ash handling plant/ points, transfer areas and other vulnerable areas shall be provided. Space for FGD is to be provided as submitted.	<p>Will be complied with</p> <p>SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. The APC dust from SMS is used in pellet plant.</p> <p>The CPP project has not been started till date. The stipulated conditions will be complied in parallel with implementation of the project.</p>																		
5	Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.	<p>Being Complied</p> <p>Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories.</p> <p>Ambient Air Quality (AAQ) are monitored at two locations viz., Near Plant Main Gate and Latibpur Village by third party monitoring agency M/s. Qualissure Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory. As per monitoring reports the emission levels are as follows:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Near Plant Main Gate</th> <th>Latibpur Village</th> </tr> </thead> <tbody> <tr> <td>PM10 (µg/m³)</td> <td>69</td> <td>70</td> </tr> <tr> <td>PM 2.5 (µg/m³)</td> <td>34</td> <td>36</td> </tr> <tr> <td>SO2 (µg/m³)</td> <td>8.2</td> <td>6.9</td> </tr> <tr> <td>NO2 (µg/m³)</td> <td>28.9</td> <td>27.6</td> </tr> <tr> <td>CO (µg/m³)</td> <td>801</td> <td>847</td> </tr> </tbody> </table> <p>AAQM reports are attached for your ready reference as Annexure No.-IV.</p> <p>Also after taking into consideration the interest and financial share cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB. CAAQMS data is enclosed as Annexure-V.</p>	Parameter	Near Plant Main Gate	Latibpur Village	PM10 (µg/m ³)	69	70	PM 2.5 (µg/m ³)	34	36	SO2 (µg/m ³)	8.2	6.9	NO2 (µg/m ³)	28.9	27.6	CO (µg/m ³)	801	847
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6	Adequate measures to be adopted for control of fugitive emission. Regular water sprinkling should be done to control the fugitive emission. Bag filter of adequate capacity to be provided to the raw material handling section.	<p>Being Complied With and will continued to be complied</p> <p>Adequate Measures have been taken for reducing the RSPM levels in the ambient air like</p> <ol style="list-style-type: none"> 1. Fixed water sprinklers are provided in the potential internal roads, plant area and raw materials handling areas. 2. One number of Mobile water sprinkler tanker and one number of water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission. 3. Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day). 4. Adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process. 5. Movable water mist fog system is being used.
7	Water meter to be installed at every inlet point of fresh water uptake and also at circulation points and regular records to be maintained.	<p>Being complied with</p> <p>Water meter at the bore well is installed and daily log book are maintained. Also Online continuous telemetry system is provided to all the bore wells and the data is transferred to SWID, West Bengal.</p>
8	Groundwater should not be abstracted without obtaining permission from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. Water requirement for the proposed expansion project should be met from DVC as per permission obtained.	<p>Being complied with</p> <p>Sufficient water extraction permission from SWID, Government of West Bengal has been obtained.</p>
9	Sponge iron and Pig iron should be used as major raw material in Induction Furnace (at least 70% of the total input). Use of galvanized iron scrap as raw material is not permitted.	<p>Being Complied</p> <p>Sponge iron and pig iron are used as major raw material in operational Induction Furnaces.</p>
10	Covered storage yard for raw materials to be provided. Loading and unloading operations should not be carried out in open areas.	<p>Being Complied</p> <p>Covered storage yard for raw materials is provided. Loading and unloading operations for operational unit is not carried out in open areas.</p>
11	As proposed, the unit must develop storage facilities to harvest rain water of capacity 900 KL so as to use the stored water for plantation, fire fighting, washing & cleaning etc. Recharging of ground water is not permitted.	<p>Being Complied</p> <p>Storage facilities to harvest rain water of capacity 900 KL is in place and water is used for plantation, fire fighting, washing & cleaning etc.</p>
12	Process effluent discharge is not permitted. Cooling water should be recycled.	<p>Being Complied and will continued to be Complied</p> <p>SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to</p>



		be implemented. It has been stated that the conditions were considered in the design of the project. Plant is designed as Zero Discharge plant.											
13	Solid wastes are generated in the form of scrap and slag. Scrap should be recycled in the proposed plant as proposed. Slag may be used for road construction and land filling; however, indiscriminate dumping is not permitted under any circumstances.	<p>Being Complied/ SMS Slag is used for road construction and land filling after maximum recovery of metal. TCLP test for SMS slag is enclosed as Annexure-VI. The detail of solid waste generated and its management practice adopted for SMS & rolling mill is:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>Disposal Scheme</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Slag from SMS Slag</td> <td>Slag to be used for road construction, Low land levelling & paver block making after recovering metal from slag crushing unit and doing TCLP test. Solid waste (dust as collected in the de-dusting system) from SMS will be used in the pellet plant as pelletization mix</td> </tr> <tr> <td>2</td> <td>Mill scale & Scrap / End cuts from Rolling mill</td> <td>Used as raw material in SMS plant.</td> </tr> </tbody> </table>	S. No.	Particulars	Disposal Scheme	1.	Slag from SMS Slag	Slag to be used for road construction, Low land levelling & paver block making after recovering metal from slag crushing unit and doing TCLP test. Solid waste (dust as collected in the de-dusting system) from SMS will be used in the pellet plant as pelletization mix	2	Mill scale & Scrap / End cuts from Rolling mill	Used as raw material in SMS plant.		
S. No.	Particulars	Disposal Scheme											
1.	Slag from SMS Slag	Slag to be used for road construction, Low land levelling & paver block making after recovering metal from slag crushing unit and doing TCLP test. Solid waste (dust as collected in the de-dusting system) from SMS will be used in the pellet plant as pelletization mix											
2	Mill scale & Scrap / End cuts from Rolling mill	Used as raw material in SMS plant.											
14	Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB (A) Leq (night-time) and 70 dB(A) Leq (night time) and its subsequent amendments.	<p>Being Complied SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Noise Monitoring is being done on regular basis by M/s. Qualissure Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory at three locations viz. Plant Main gate, Gokulpur Village & Near SMS Area and noise levels are as follows:</p> <table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th>Near SMS Area</th> <th>Plant Main gate</th> <th>Gokulpur Village</th> </tr> <tr> <th>Avg.</th> <th>Avg.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>Leq (dBA)</td> <td>50.8-66.8</td> <td>56.4</td> <td>54.4</td> </tr> </tbody> </table> <p>The Ambient & Work Zone Noise quality monitoring reports are attached as Annexure - VII.</p>	Parameter	Near SMS Area	Plant Main gate	Gokulpur Village	Avg.	Avg.	Avg.	Leq (dBA)	50.8-66.8	56.4	54.4
Parameter	Near SMS Area	Plant Main gate		Gokulpur Village									
	Avg.	Avg.	Avg.										
Leq (dBA)	50.8-66.8	56.4	54.4										
15	At least 5000 nos. of recommended species to be planted in the green belt area of 10.22 acres. Indicative list of species is given at Annexure-I. Green belt comprising of three rows of trees with thick canopy should be developed all along the periphery of the plant.	<p>Being Complied As mentioned in point no-6, in the financial year 2022-2023, around 2697 plants were planted and the survival rate is 96.0%. Total area covered in green belt is 33%.</p>											
16	All internal roads should be concreted /pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate	<p>Being/Will be Complied Concreting of internal road with proper drainage system is going on and balance will be done in parallel with implementation of</p>											



pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises. Solar lighting should be used as far as practicable.

project.
Proper lighting and proper pathway inside the factory premises are constructed to ensure safe vehicular movement.

Provision of separate pathway for entry and exit of vehicles is in place. Vehicles conforming to pollution under control (PUC) norms are only allowed inside the plant premises.

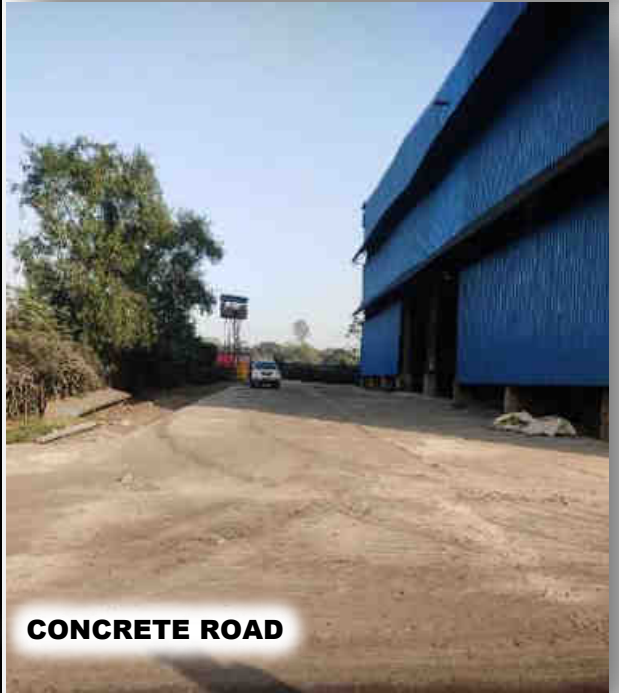
For effective housekeeping following steps are adopted by the management:

- Fixed water sprinklers are provided in the potential internal roads, plant area and raw materials handling areas.
- One number of Mobile water sprinkler tanker and one number of water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission.
- Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day).
- Adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process.
- Movable water mist fog system is being used.
- Engaged more numbers of dedicated Housekeeping team with proper training and equipment.
- Regular painting and cleaning / whitewashing of wall.
- Scraps are stored in proper demarcated area with proper marking.
- Hazardous wastes are stored in dedicated HZW store.
- Regular cleaning of drain systems is done.

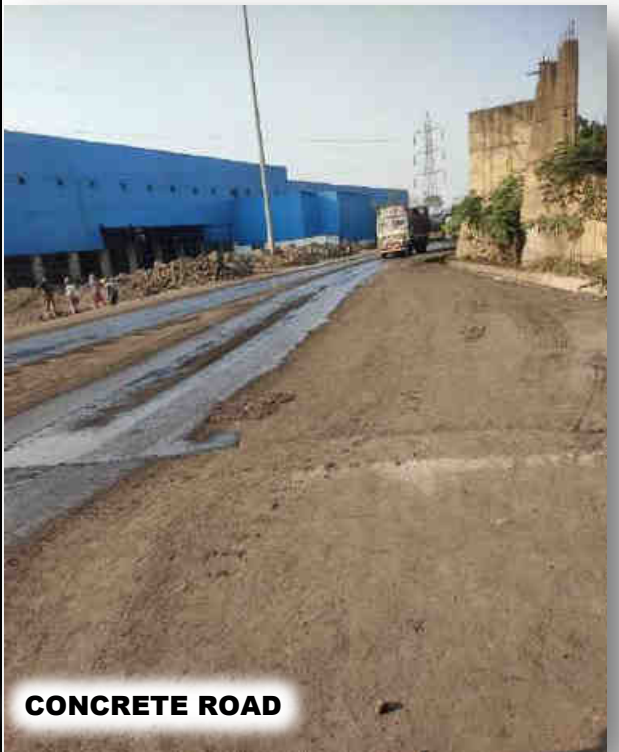




CONCRETE ROAD



CONCRETE ROAD



CONCRETE ROAD





CONCRETE ROAD



PROPER LIGHTING INSIE FACTORY PREMISES



WATER SPRINKLERS



WATER TANKERS



STREET SWEEPING MACHINE





WHITE WASHING OF WALL

17

Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

Being Complied


Our management is very much concerned about Health & Safety of workers & as per the WB Factories Rules 1958, Safety Committee meeting is conducted once in every Month, various Safety & Environment Awareness Programme is being observed,






ENVIRONMENT AWARENESS PROGRAMME



ENVIRONMENT AWARENESS PROGRAMME

		 <p>ENVIRONMENT AWARENESS PROGRAMME</p> <p>Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948. OHS record is enclosed as Annexure-VIII.</p>
18	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	<p>Being Complied</p> <p>Regular mock drills are carried out to create awareness among employees about necessary safety measures to be taken at any unforeseen circumstances. Hydrants, medium velocity spray system, portable fire extinguishers of various capacities containing agents such as CO₂, DCP etc. are located at strategic points of the plant to control fire and explosion hazards.</p>
19	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	<p>Being Complied</p> <p>Adequate funds have been deployed in CAPEX and OPEX and an itemised action plan has been drawn for implementing the stipulated conditions.</p> <p>The detail about the Recurring Cost on Environmental Safeguard for current operational plant is discussed in point no-7.</p>
20	Trucks carrying coal and other raw material shall be covered with tarpaulin to prevent spreading of dust during transportation.	<p>Being Complied</p> <p>Trucks carrying coal and other raw material are covered with tarpaulin to prevent spreading of dust during transportation.</p>
21	Haulage road shall be sprinkled with water at regular intervals for which tankers with sprinkler arrangement are deployed. Regular sweeping of roads shall be practiced with vacuum sweeping machine or water flushing to minimize dust.	<p>Being Complied With</p> <p>One number of dedicated water spraying tankers on haul roads for dust suppression is in use. Also 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.</p> <p>Regular sweeping of roads is practiced with vacuum sweeping machine to minimize dust.</p>
22	At least 5 MW of solar power to be generated and utilized to reduce coal consumption.	<p>Noted</p> <p>In order to reduce the consumption of non-renewable source of energy (coal), power requirement of the existing operational unit is made from Waste Heat Recovery Boiler</p>




		(WHRB) attached with DRI Kilns of Orissa Metaliks (P) Ltd Unit-I. But in near future if power requirement increases necessary arrangement will be made for incorporating Solar power.
23	Rain water harvesting pond of area 1.389 acres to create as proposed for surface storage of rain water.	Being Complied One number of rain water harvesting pond on 1.389 acres is in place and harvested rain water is used in plant for green belt development and dust suppression.
24	Rain water to be harvested at least to the extent of 20000 cum/annum and should be utilized in all plant requirement and limit ground water abstraction below 0.6 MGD.	Being Complied Common rainwater harvesting pond of 50,000 KL capacity is in place and harvested rain water is used in plant for green belt development and dust suppression.
25	CSR schemes identified based on public hearing issues and need based assessment shall be implemented in consultation with District Administration starting from the development of project itself.	Being Complied M/s Orissa Metaliks Private Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages. In financial year 2022-23, OMPL company has spent Rs.1,04,64,000 under the head of CSR/CER. The recent CSR/CER photograph are as:  <p>BLANKET DISTRIBUTION</p>  <p>COMMUNITY HALL, PANCHRULIA VILLAGE</p>  <p>MAA SHITALA MANDIR, KANTAPAL</p>



--	--	--



SL. NO.	GENERAL CONDITION	COMPLIANCE STATUS
1	The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.	Noted
2	Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	Complied The Consent to Establish (NOC) permissions for project were awarded by WBPCB vide NOC no-147019 dated 12.04.2017, amendment dated 15.05.2017 and NOC no-159390 dated 26.07.2019.
3	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being Complied As stated, earlier M/s Orissa Metaliks Private Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages.
4	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	Being Complied
5	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	Noted We have provided housing for construction labour outside the site with cooking, toilets, drinking water, medical health care etc.
6	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	Being Complied Adequate fund provision (Rs 20 Crores capital cost & Rs 2.0 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose. The detail about the Recurring Cost on Environmental Safeguard for current operational plant is enclosed as point no-7 .
7	No further expansion or modification in the plant should be carried out without prior approval of the State Level Environmental Impact Assessment Authority, West Bengal. In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.	Agreed
8	The West Bengal Pollution Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to	Being Complied and will continued to be complied Regular reports of Monitoring and compliance are submitted to the State Level Environment Impact Assessment Authority, West Bengal & WBPCB regularly. The recent five year details of



	<p>the WBPCB regularly. A complete set of all the documents should also be forwarded to the State level Environment Impact Assessment Authority, West Bengal and also to Regional Office of MoEF&CC, Bhubaneswar.</p>	<p>submission are enclosed here with.</p> <table border="1" data-bbox="874 199 1487 707"> <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">2017-2018</td> <td>1st Dec 2017</td> <td>22.11.2017</td> </tr> <tr> <td>1st June 2018</td> <td>01.06.2018</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">2018-2019</td> <td>1st Dec 2018</td> <td>21.11.2018</td> </tr> <tr> <td>1st June 2019</td> <td>23.05.2019</td> </tr> <tr> <td rowspan="2">3</td> <td rowspan="2">2019-2020</td> <td>1st Dec 2019</td> <td>18.11.2019</td> </tr> <tr> <td>1st June 2020</td> <td>27.05.2020</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">2020-2021</td> <td>1st Dec 2020</td> <td>01.12.2020</td> </tr> <tr> <td>1st June 2021</td> <td>28.05.2021</td> </tr> <tr> <td rowspan="2">5</td> <td rowspan="2">2021-2022</td> <td>1st Dec 2021</td> <td>01.12.2021</td> </tr> <tr> <td>1st June 2022</td> <td>26.05.2022</td> </tr> <tr> <td>6</td> <td>2022-2023</td> <td>1st Dec 2022</td> <td>19.11.2022</td> </tr> </tbody> </table>	Sr. No	Year	Period Up To	Submission Date	1	2017-2018	1 st Dec 2017	22.11.2017	1 st June 2018	01.06.2018	2	2018-2019	1 st Dec 2018	21.11.2018	1 st June 2019	23.05.2019	3	2019-2020	1 st Dec 2019	18.11.2019	1 st June 2020	27.05.2020	4	2020-2021	1 st Dec 2020	01.12.2020	1 st June 2021	28.05.2021	5	2021-2022	1 st Dec 2021	01.12.2021	1 st June 2022	26.05.2022	6	2022-2023	1 st Dec 2022	19.11.2022
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9	<p>The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguards measures in a time-bound and satisfactory manner.</p>	<p>Noted</p>																																						
10	<p>The project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the West Pollution Control Board and may also be seen at Website of the SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.</p>	<p>Complied</p> <p>The management of OMPL have advertised information regarding grant of Expansion EC in two local newspaper viz.,</p> <ul style="list-style-type: none"> • “Aajkal” (Bengali) dated 06.10.2018 and • “Business Standard” (English) dated 06.10.2018 																																						
11	<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. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p> 	<p>Complied</p> <p>Monitoring of criteria pollutants level namely; PM10, PM 2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters is done by third party monitoring agency M/s. Qualissure Laboratory Services, Kolkata which is NABL accredited laboratory. Emission levels of pollutants of different units is being 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://orissametaliks.com/qehs.html</p> <p>Electronic display board has been installed at plant main gate and online stack emission data is also being displayed.</p>																																						

12	The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.	Noted Private Company, no finance is needed m outside.										
13	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous wastes (Management, Handling and Trans boundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.	Noted										
14	<p>The contact details of the proponent and the name of the consultant are given below:</p> <table border="1" data-bbox="199 719 847 1169"> <tr> <td data-bbox="199 719 472 824">Name of the Contact person with Designation</td> <td data-bbox="472 719 847 824">Mr. Bijayen Srivastava, Manger-Environment & Pollution</td> </tr> <tr> <td data-bbox="199 824 472 891">Address</td> <td data-bbox="472 824 847 891">1, Grastin Place, 3rd Floor, Kolkata-700001</td> </tr> <tr> <td data-bbox="199 891 472 996">Telephone Number, Fax Number</td> <td data-bbox="472 891 847 996">033 22438518; Fax no. 033 2243 8517; 7044070948 (M)</td> </tr> <tr> <td data-bbox="199 996 472 1064">Email</td> <td data-bbox="472 996 847 1064">orissametalikspvtltd@gmail.com</td> </tr> <tr> <td data-bbox="199 1064 472 1169">Name of the Environmental Consultant</td> <td data-bbox="472 1064 847 1169">Kalyani laboratories Private Limited</td> </tr> </table>	Name of the Contact person with Designation	Mr. Bijayen Srivastava, Manger-Environment & Pollution	Address	1, Grastin Place, 3 rd Floor, Kolkata-700001	Telephone Number, Fax Number	033 22438518; Fax no. 033 2243 8517; 7044070948 (M)	Email	orissametalikspvtltd@gmail.com	Name of the Environmental Consultant	Kalyani laboratories Private Limited	Agreed
Name of the Contact person with Designation	Mr. Bijayen Srivastava, Manger-Environment & Pollution											
Address	1, Grastin Place, 3 rd Floor, Kolkata-700001											
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Email	orissametalikspvtltd@gmail.com											
Name of the Environmental Consultant	Kalyani laboratories Private Limited											

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

I)	<p>Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).</p> 	<p>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.</p> 
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DOC NO : QLS/SAMP/08-A/00

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd. Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No.	: QLS/P-32/22-23/C/03
	Date	: 04.04.2023
	Sample No.	: QLS/P-32/22-23/03-04
	Sample Description	: Ambient Air
	Date of performance	: 27.03.2023-04.04.2023
	Ref No.	: OMPL/QLS/WO/22-23/01
	Date	: 06.03.2023

Analysis Result of Fugitive Air

Sampling Done by: J.Sahana			
Environmental Condition : Clear & Sunny			
Sampling done as per : CPCB Guidelines (Volume-1)			
Sample No.	Location	Date of Sampling	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$
03	Near SMS Area	25-26.09.2021	296
04	Near Truck Parking Area		323
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By



Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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ANNEXURE-II



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

Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry	M/s Orissa Metaliks Pvt. Ltd.(Unit-I)		
2. Address	VIII-Golalpur PO- Shyamraipur, Kharagpur, Paschim Medinipur		
3. Category & Type	Red, Steel Melting Shop (SMS)		
4. Sampling Date	09/03/2022		
5. Duration of Sampling	39 min		
6. Name of Laboratory	Qualissure Laboratory Services		
7. Height of Stack from ground (m)	35.0		
8. Cross section of Stack at sampling point(m ²)	0.786		
9. Stack connected to	Induction Furnace(6×10MT), (Attached with common stack)		
10. Emission due to (Furnace /Boiler)	Melting of Pig Iron and sponge iron		
11. Average operational hours of boiler/ furnace (per month)	720 hrs/month		
12. APC System (if any)	Bag Filter		
13. Working load of source (MT/hr)	6×10 MT Each (all Furnace are running of sampling time)		
14. Fuel used	-		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace /Boiler	Induction Furnace		
18. Flue gas Temp. (°C)	48.0		
19. Flue gas velocity m/s	13.74	20. Volume of Flue gas drawn in lit (m ³)	1.014
21. Corrected flue gas volume (Nm ³)	0.9295	22. Percentage CO ₂ & O ₂	CO ₂ <0.2% & O ₂ -9.6 %
23. To be compensated at (%. if required)	-		
24. Initial wt of thimble (gm)	1.5683	25. Final wt of thimble (gm)	1.5795
26. Wt. of PM (g)	11.20	27. Particulate matter (mg/Nm ³)	12.05
28. Barometric Pressure Head	756 mm of Hg	29. Diameter of the nozzle	6.35 mm
30. Others:-		31. Thimble No.	771
32. Sampled by:	N.C Barai, AEE, HRO		

*Done by Qualissure Laboratory Services

Jayanti Ghosh 09/04/22
 Scientist

N.C Barai 04/04/22
 Signature of In-Charge

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

OCEMS REPORT

ANNEXURE - III

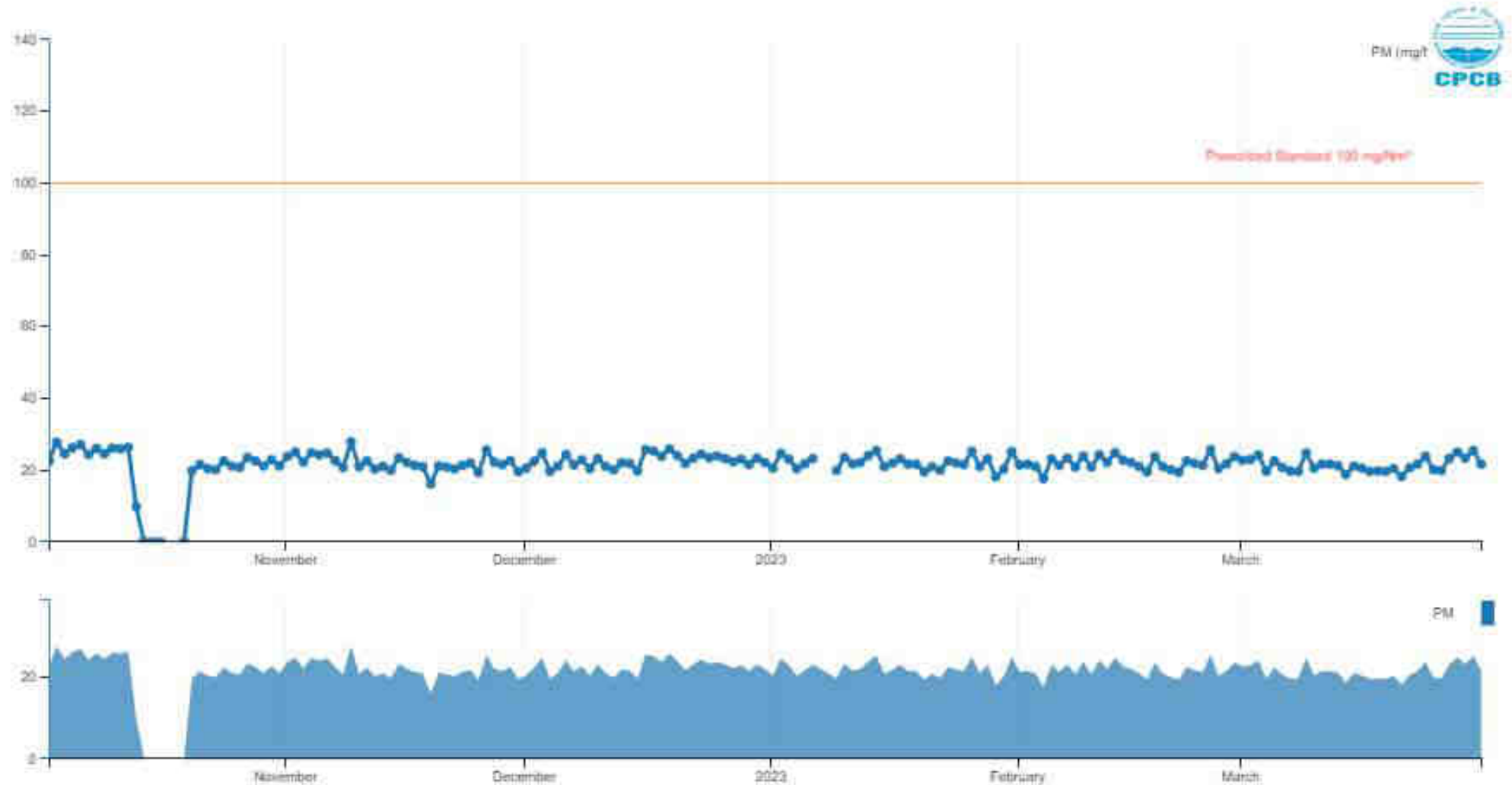
ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) Stack_3_Induction Furnace of SMS & LRF

Tata Metalik Road, Gokulpur, Nimpura - 721304, Medinipur (W), Kharagpur, West Bengal Kharagpur West Bengal 721304

Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily



OCEMS REPORT

ANNEXURE - III

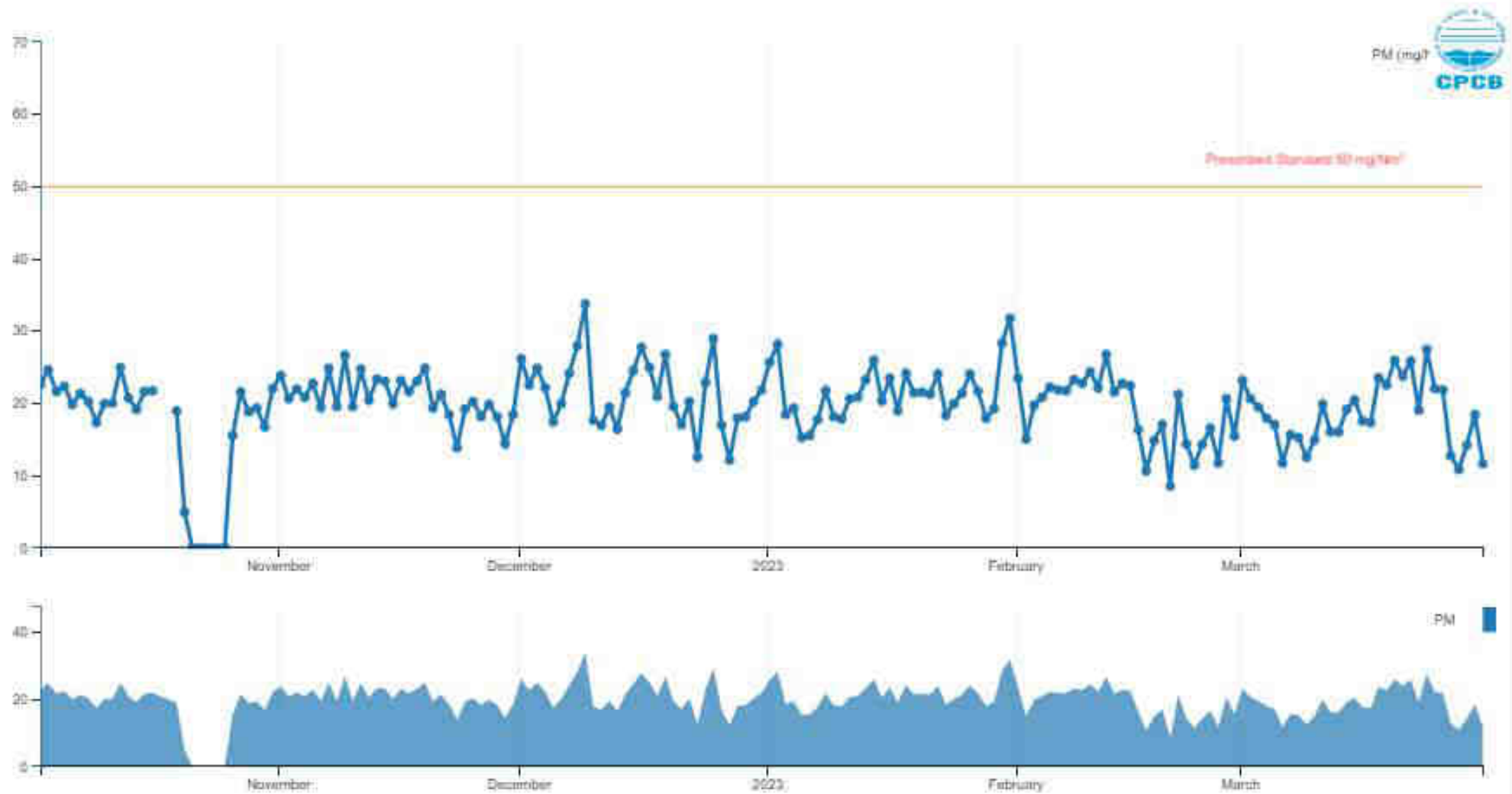
ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) STACK_7_SMS_INDUCTION FURNACE

Tata Metalik Road, Gokulpur, Nimpura - 721304, Medinipur (W), Kharagpur, West Bengal Kharagpur West Bengal 721304.

Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily





TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd. Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No.	: QLS/P-32/22-23/C/01
	Date	: 04.04.2023
	Sample No.	: QLS/P-32/22-23/01
	Sample Description	: Ambient Air
	Date of performance	: 27.03.2023-04.04.2023
	Ref No.	: OMPL/QLS/WO/22-23/01
	Date	: 06.03.2023

Analysis Result

Location : Near Plant Main Gate		Date of sampling : 21-22.03.2023		
Sampling Done by: P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m ³	69	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	34	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	8.2	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.9	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	801	2000	IS: 5182 (Part- 10)- (RA-2017)
NOTE:Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

Ranjan

for Qualissure Laboratory Services
 Reviewed & Authorized By



Benimadhab Gorai, Chemist
 (Authorized Signatory)

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

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

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	Sample Description	: Ambient Air
	Date of performance	: 27.03.2023-04.04.2023
	Ref No.	: OMPL/QLS/WO/22-23/01
Date	: 06.03.2023	

Analysis Result

Location : Latibpur Village		Date of sampling : 21-22.03.2023		
Sampling Done by: P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m ³	70	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	36	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.9	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.6	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	847	2000	IS: 5182 (Part- 16)- (RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Goral, Chemist
(Authorized Signatory)

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

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

STATION : PANCHRULIA

ANNEXURE-V



PARAMETER-PM₁₀



Industry Name

Rashmi Metaliks Limited

District

Medinipur

Parameters

Panchrulia_Station-PM2.5

Data

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

Address

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

State

West Bengal

Report Format

Graph

City

Kharagpur

Category

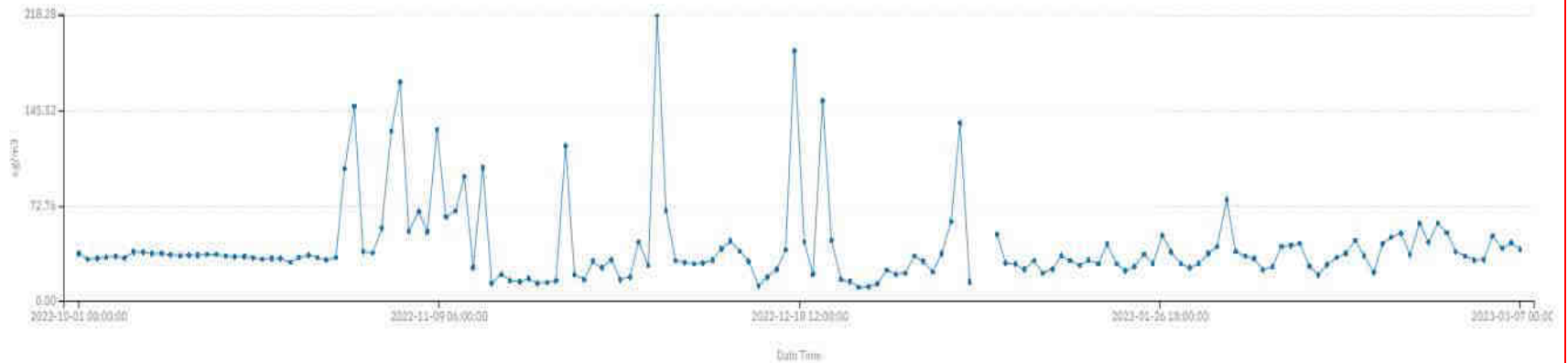
Iron And Steel

Criteria

1-days



Graphical view



Panchrulia_Station-PM2.5_Raw

PARAMETER-PM_{2.5}

Industry Name
Rashmi Metalike Limited
District
Medinipur
Parameters
Panchnulia_Station-CO
Date:

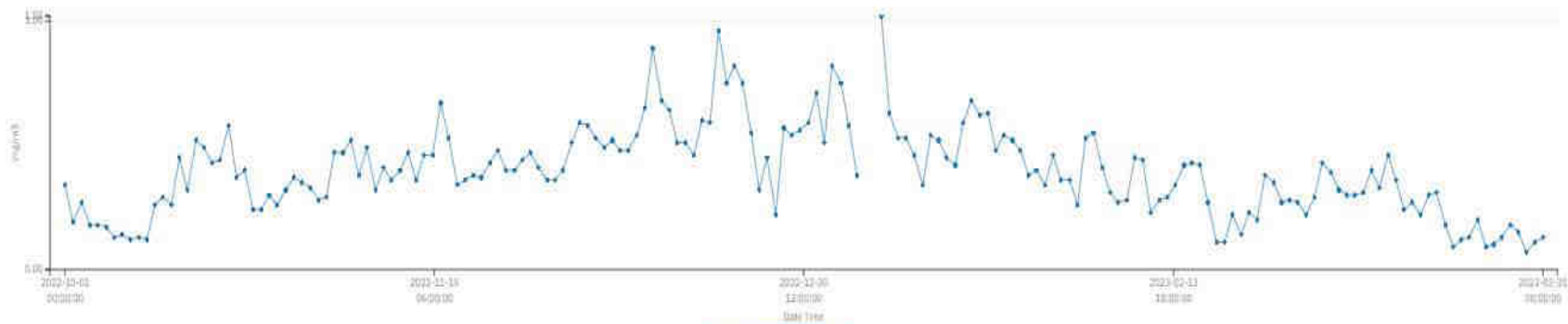
Address
NH-6, GOKULPUR, SHYAMRAIPUR KHARAGPUR, MEDINIPUR (W)
State
West Bengal
Report Format
Graph

City
Kharagpur
Category
Iron And Steel
Criteria
1-day



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

Graphical view



Panchnulia_Station-CO_Raw

PARAMETER-CO



Industry Name

Rajhmi Metaliks Limited

District

Medinipur

Parameters

Panchrulia_Station-NOx

Date

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

Address

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

State

West Bengal

Report Format

Graph

City

Kharagpur

Category

Iron And Steel

Criteria

1-days

Print

Graphical view



PARAMETER-NOx



Industry Name

Raahmi Metaliks Limited

District

Medinipur

Parameters

Panchrulia_Station-SO2

Date:

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

Address

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

State

West Bengal

Report Format

Graph

City

Kharagpur

Category

Iron And Steel

Criteria

1-days

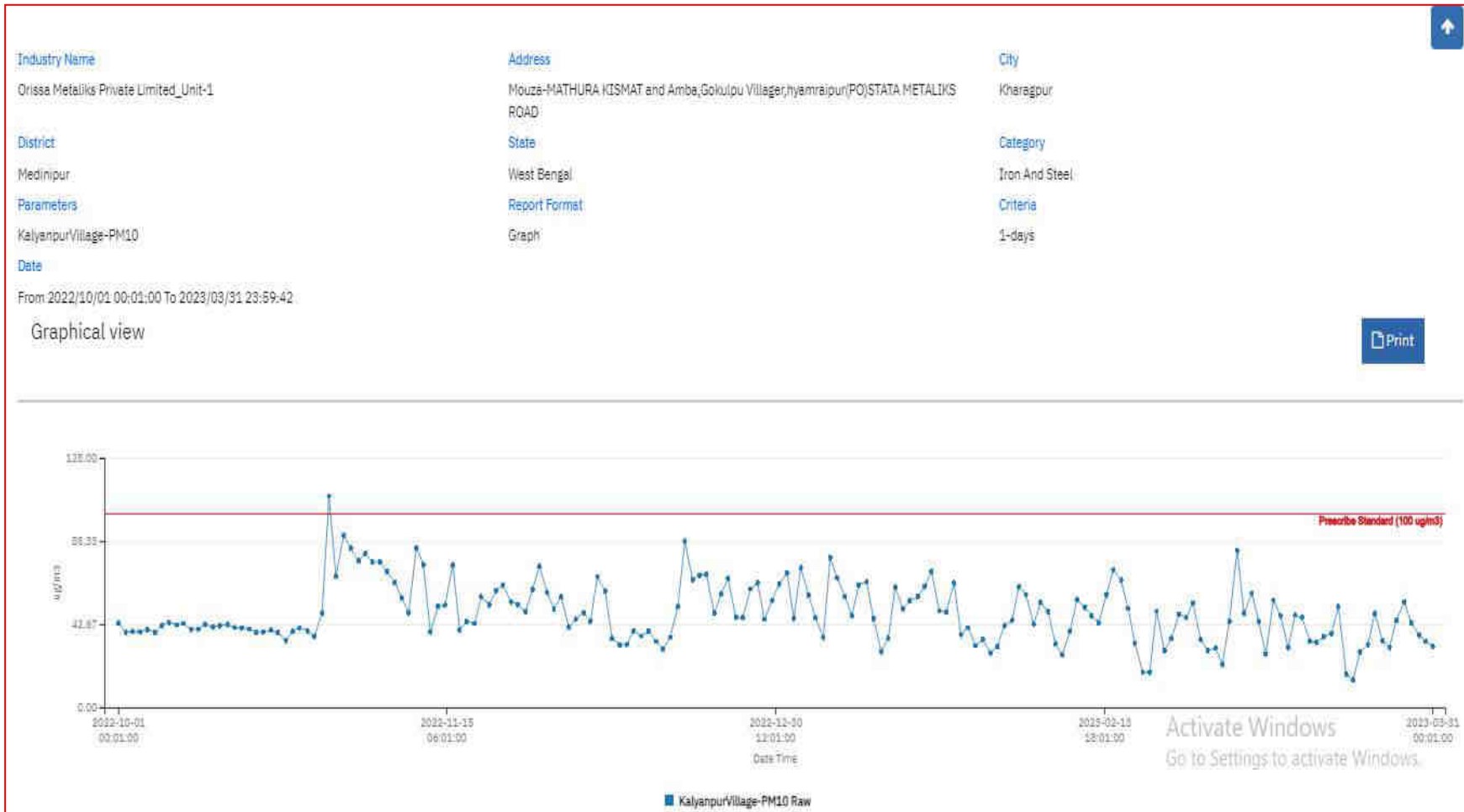
Print

Graphical view



PARAMETER-SO₂

STATION:-KALYANPUR



PARAMETER-PM₁₀



Industry Name

Orissa Metaliks Private Limited_Unit-1

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

KalyanpurVillage-PM2.5

Report Format

Graph

Critera

1-days

Date

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

Graphical view



PARAMETER-PM_{2.5}

Back



Industry Name

Oriessa Metaliks Private Limited_Unit-1

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

KalyanpurVillage-NOx

Report Format

Graph

Criteria

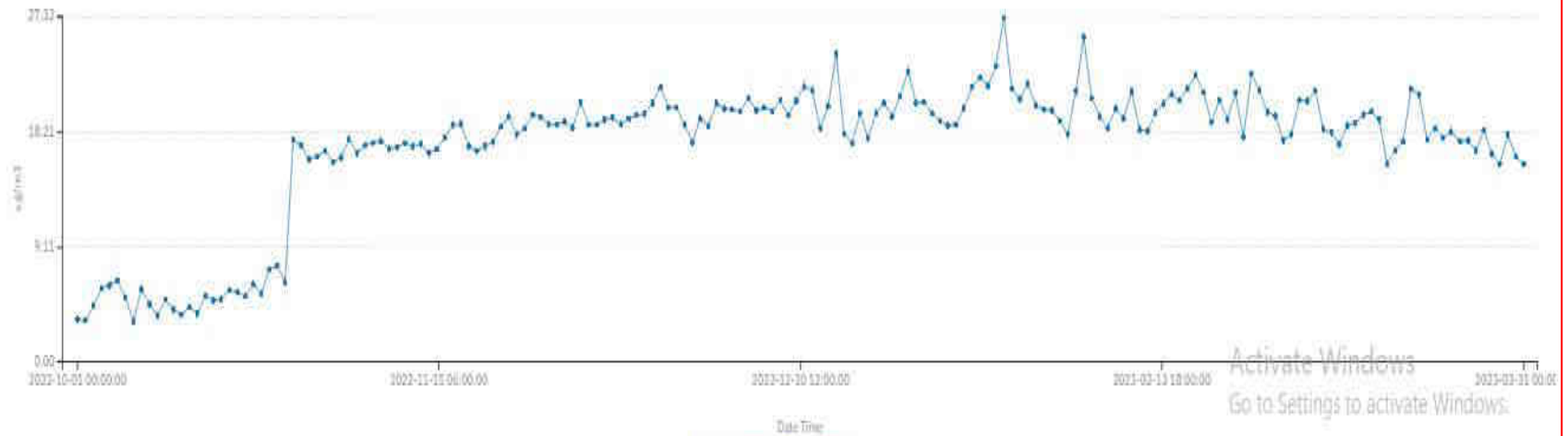
1-days

Date

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

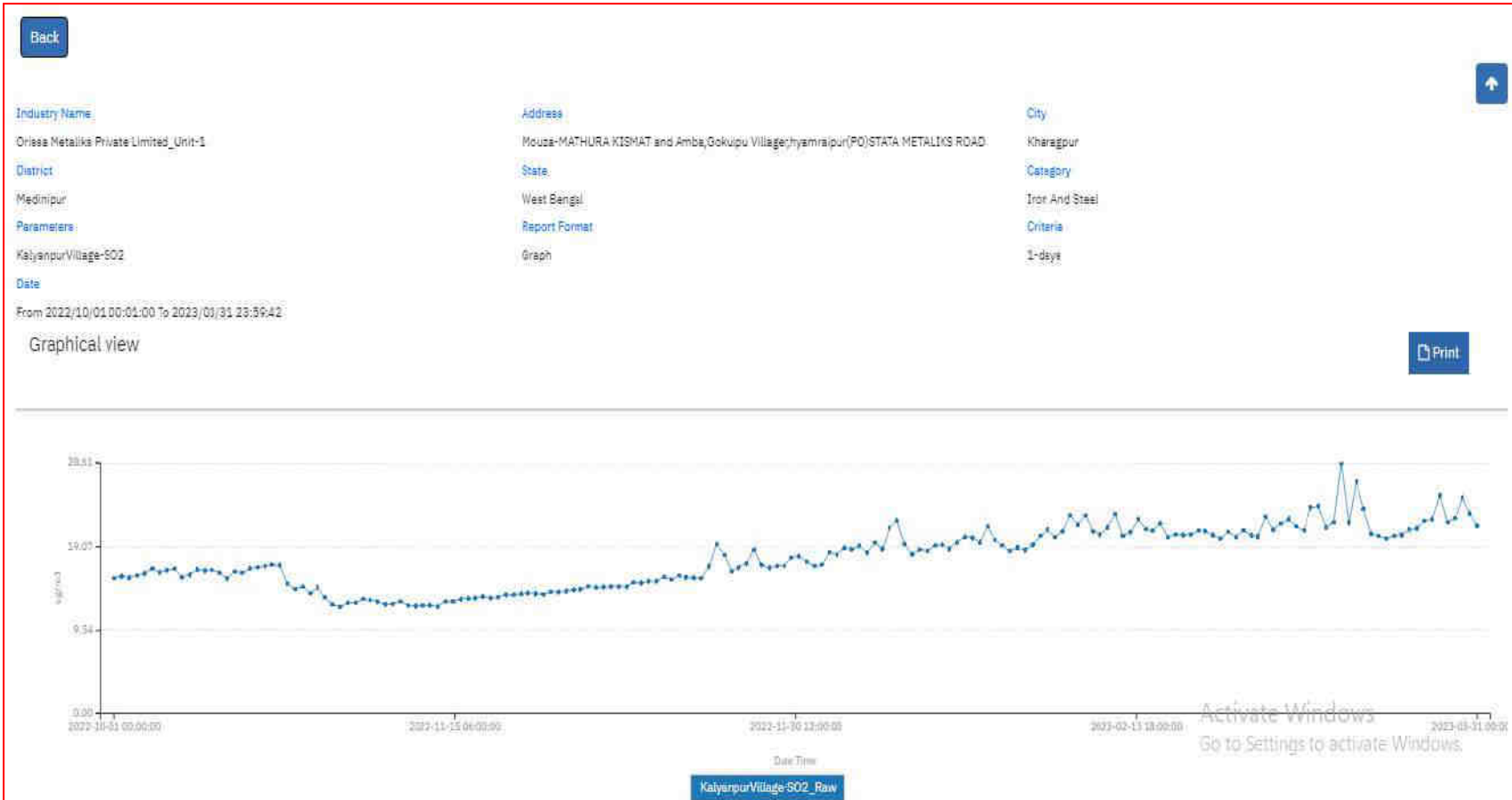
Graphical view

Print



KalyanpurVillage-NOx_Raw

PARAMETER-NOx



PARAMETER-SO2

STATION : BARKOLA



PARAMETER-PM₁₀

Back



Industry Name

M/S Washmi Alloy Steel Private Limited

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station-PM2.5

Report Format

Graph

Criteria

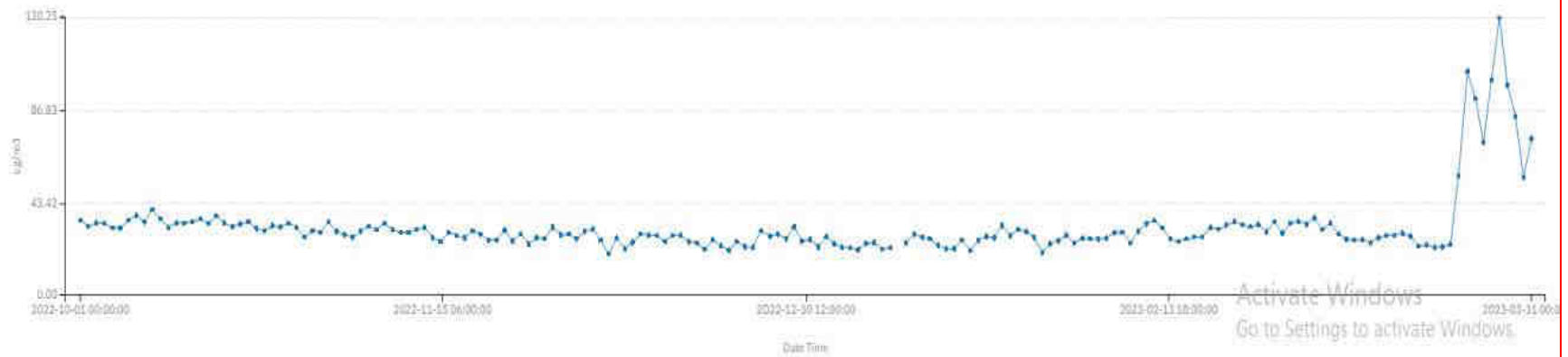
1-days

Date

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

Print

Graphical view



Barkola_Station-PM2.5_Raw

PARAMETER-PM_{2.5}

Back



Industry Name

M/S Raahmi Alloy Steel Private Limited

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station-CO

Report Format

Graph

Criteria

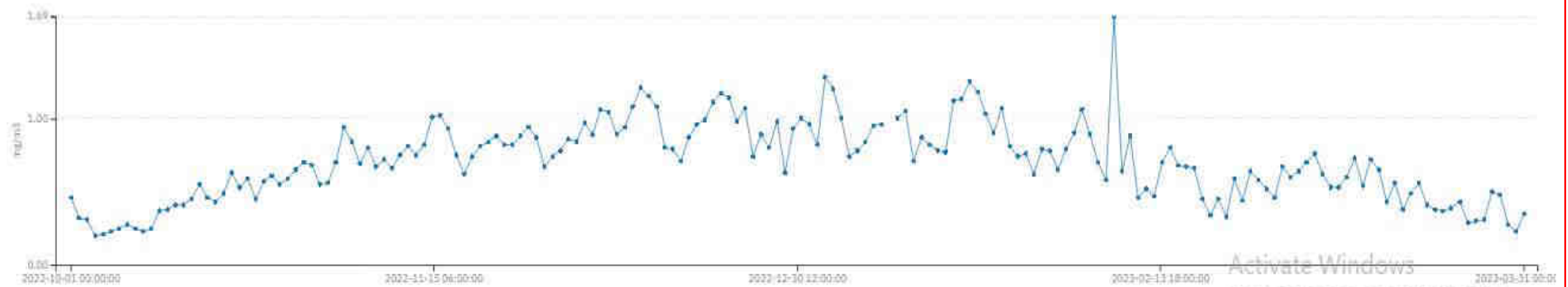
5-days

Date

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

Print

Graphical view



Date Time:

Barkola_Station-CO_Raw

Activate Windows
Go to Settings to activate Windows.

PARAMETER-CO

Back



Industry Name

M/S Rashmi Alloy Steel Private Limited

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station+NOx

Report Format

Graph

Criteria

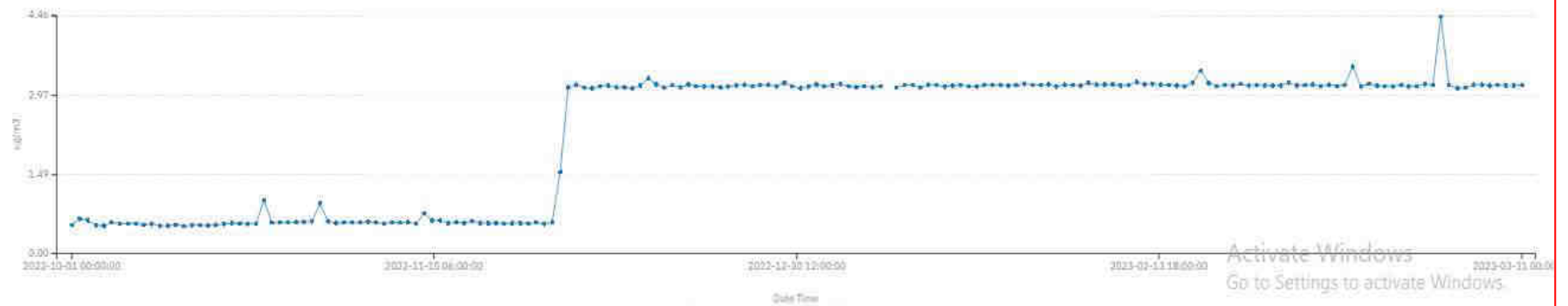
3-days

Date

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

Print

Graphical view



Barkola_Station-NOx_Raw

PARAMETER-NOx

Back



Industry Name

J/S Rashmi Alloy Steel Private Limited

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station-SO2

Report Format

Graph

Criteria

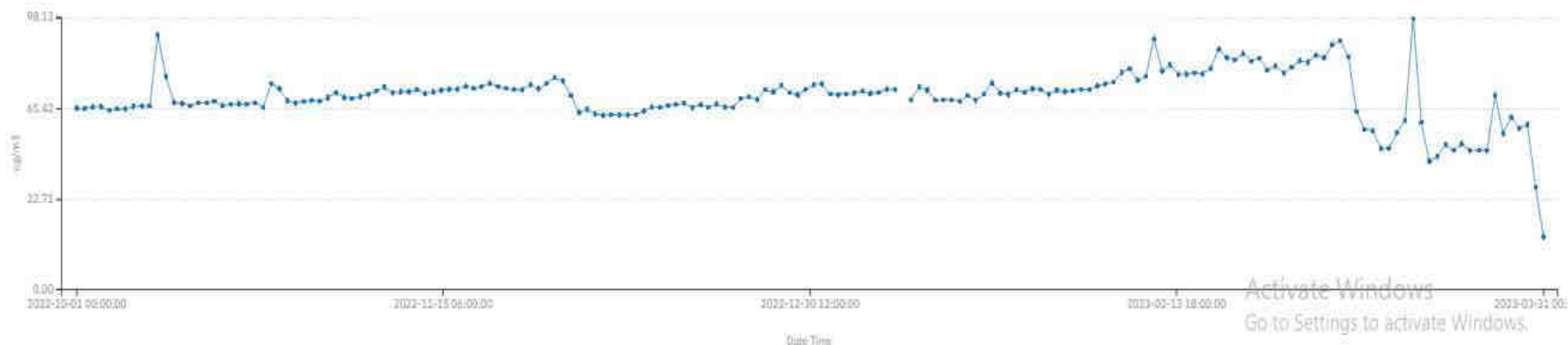
1-days

Date

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

Print

Graphical view



Barkola_Station-SO2_Raw

PARAMETER-SO2

Station: Rajogram

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-PM10

Report Format

Graph

Criteria

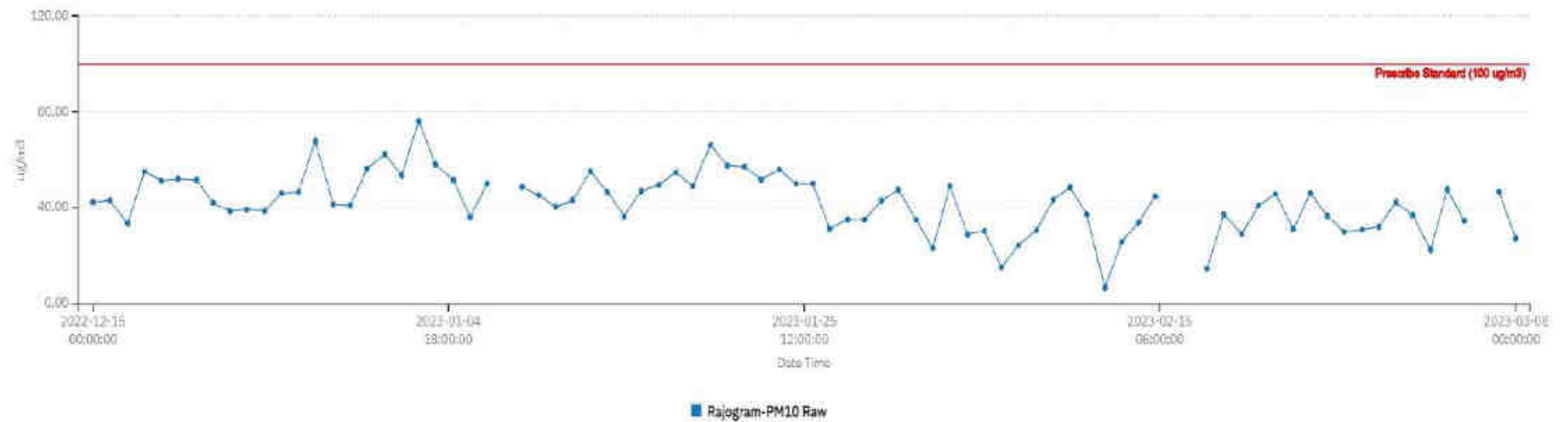
1-days

Date

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

Graphical view

Print



Industry Name

Orissa Alloy Steel Pvt Ltd

Address

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

City

Kharagour

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-PM2.5

Report Format

Graph

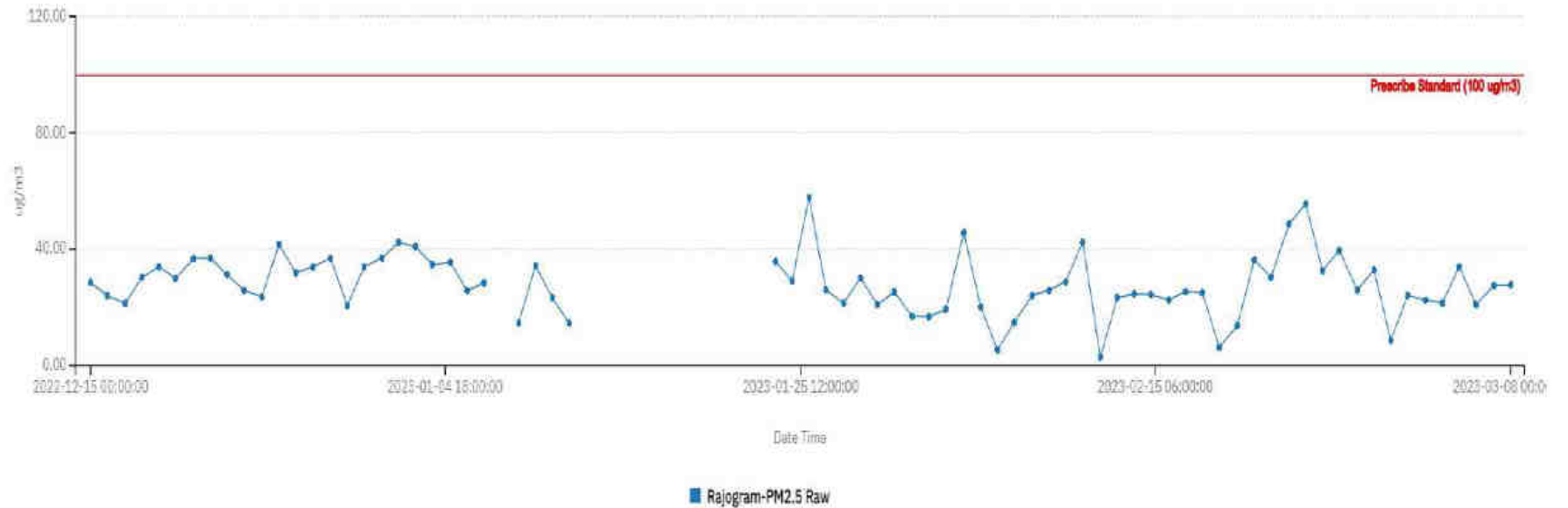
Criteria

1-days

Date

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

Graphical view



Parameter- PM2.5

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-SO2

Report Format

Graph

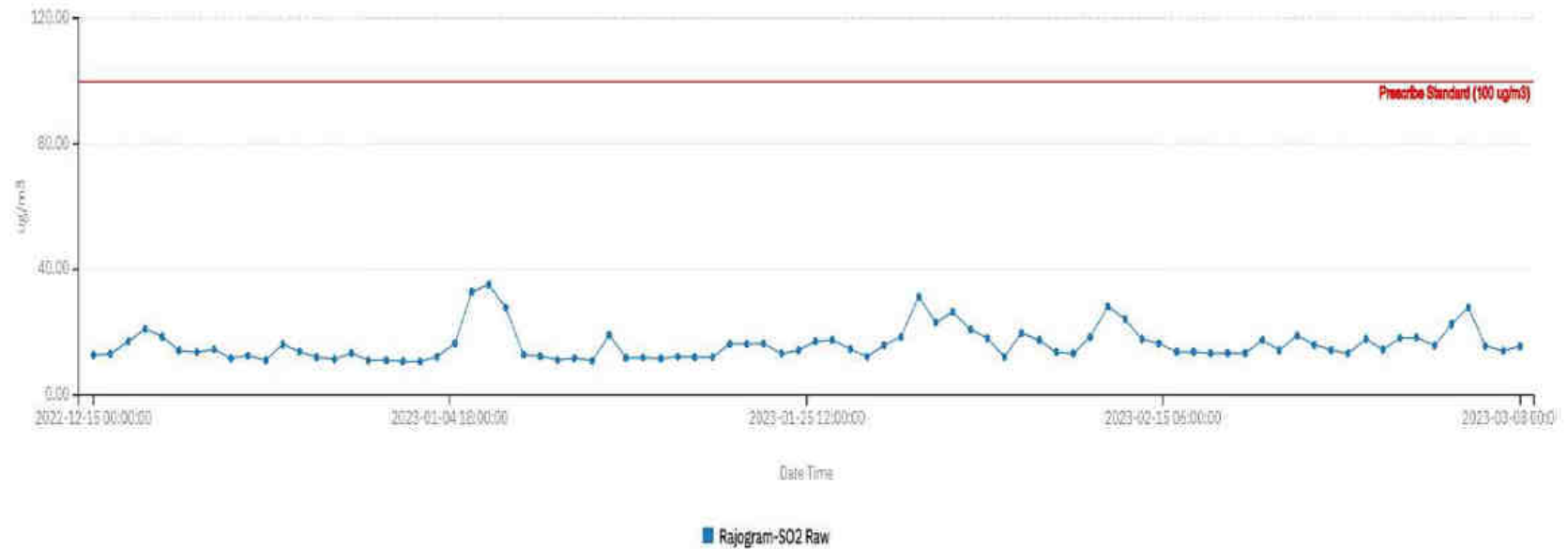
Criteria

1-days

Date

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

Graphical view



Parameter- SO2

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-NOx

Report Format

Graph

Criteria

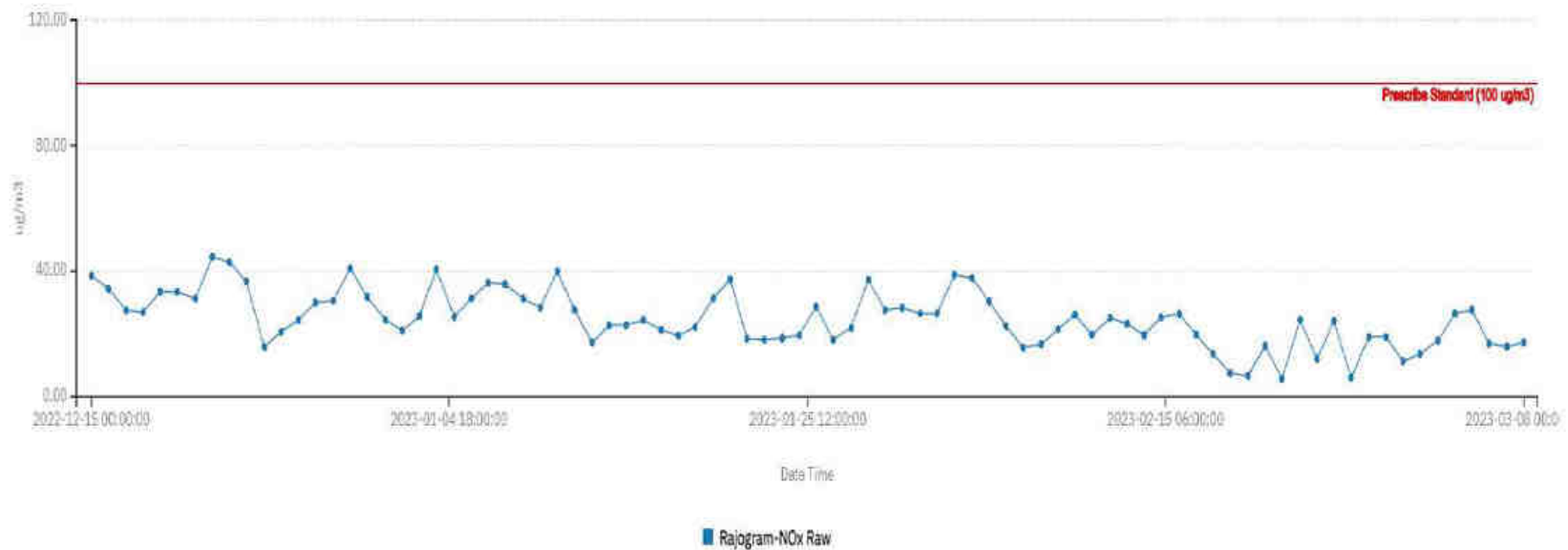
1-days

Date

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



Graphical view



Parameter- NOx

Industry Name

Orissa Alloy Steel Pvt Ltd

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Rajogram-CO

Report Format

Graph

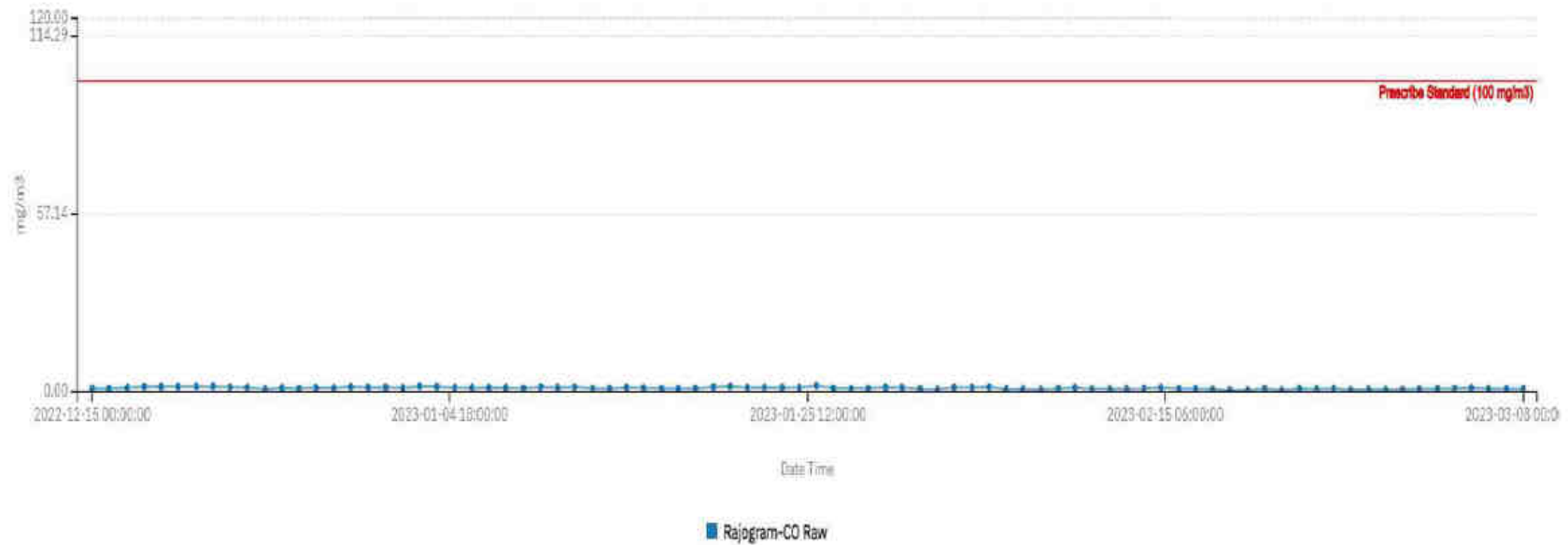
Criteria

1-days

Date

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

Graphical view



Parameter- CO



Qualissure Laboratory Services

NABL ACCREDITED, WBPCB & ISO 9001:2015 CERTIFIED LABORATORY

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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd. Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No.	: QLS/P-32/22-23/C/08
	Date	: 28.04.2023
	Sample No.	: QLS/P-32/22-23/08
	Sample Description	: Slag
	Sample Mark	: SMS Slag
	Date of Performance	: 21.03.2023
	Sample Drawn On	: 22.03.2023-27.03.2023
	Ref No. Date	: O122368532;Dated-27.09.2022

Analysis Result

Sl. No.	Parameters	Test Method	TCLP Test Result	Limit as per Hazardous & Other waste (management and Transboundary Movement Rules) Schedule-2
1.	Zinc (as Zn) in mg/l	EPA 3050 B	0.87	250
2.	Lead (as Pb) in mg/l	EPA 3050 B	0.44	5.0
3.	Copper (as Cu) in mg/l	EPA 3050 B	0.49	25.0
4.	Cobalt (as Co) in mg/l	EPA 3050 B	0.37	80.0
5.	Nickel (as Ni) in mg/l	EPA 3050 B	0.69	20.0
6.	Arsenic (as As) in mg/l	EPA 3050 B	<0.01	5.0
7.	Mercury (as Hg) in mg/l	EPA 3050 B	<0.001	0.2
8.	Total Chromium (as Cr) in mg/l	EPA 3050 B	0.52	5.0
9.	Manganese (as Mn) in mg/l	EPA 3050 B	0.79	10.0

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By



Bishnupriya Banerjee
Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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

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



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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metallks Pvt. Ltd. Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No.	: QLS/P-32/22-23/C/06
	Date	: 04.04.2023
	Sample No.	: QLS/P-32/22-23/06(A-B)
	Sample Description	: Noise Monitoring
	Date of performance	: 27.03.2023-04.04.2023
	Ref No.	: OMPL/QLS/WO/22-23/01
	Date	: 06.03.2023

Monitoring Result of Noise

Sampling Done By: J.Sahana					
Sampling Guideline : As per IS: 9876: 1981 (RA 2001)					
Sample No.	Date of Monitoring	Location	L-Max dB	L-Min-dB	Avg dB(A)
06A	21-22.03.2023	Near Plant Main Gate	62.6	50.1	56.4
06B		Gokulpur Village	61.4	43.8	54.4

Report Prepared By:

J.Sahana

for Qualissure Laboratory Services
 Reviewed & Authorized By



Benimadhab Gorai, Chemist
 (Authorized Signatory)

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

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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd. Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No. : QLS/P-32/22-23/C/05 Date : 04.04.2023 Sample No. : QLS/P-32/22-23/05 Sample Description : Noise Monitoring Date of performance : 27.03.2023-04.04.2023 Ref No. : OMPL/QLS/WO/22 23/01 Date : 06.03.2023
--	---

Monitoring Result of Noise

Sampling Done By: J.Sahana			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : SMS Area			
Date of Monitoring : 21-22.03.2023			
Time	Leq-dB(A)	L-Max dB	L-Min-dB
11.00-12.00	59.2	50.3	53.1
12.00-13.00	69.1	50.3	55.9
13.00-14.00	67.2	54.7	58.2
14.00-15.00	66.0	55.6	58.8
15.00-16.00	69.0	57.2	61.5
16.00-17.00	70.3	61.0	64.0
17.00-18.00	72.1	63.2	66.3
18.00-19.00	70.2	64.3	66.8
19.00-20.00	69.3	63.4	66.4
20.00-21.00	69.0	64.2	66.1
21.00-22.00	70.1	62.5	65.2
22.00-22.00	68.7	61.0	63.9
23.00-0.00	68.0	60.2	62.9
0.00-1.00	65.5	59.2	61.6
1.00-2.00	63.2	58.0	60.2
2.00-3.00	60.8	57.1	58.9
3.00-4.00	59.6	56.0	57.6
4.00-5.00	58.6	55.2	56.6
5.00-6.00	57.6	52.2	54.5
6.00-7.00	56.3	52.5	54.0
7.00-8.00	55.2	50.0	52.3
8.00-9.00	54.2	50.0	51.6
9.00-10.00	53.1	49.6	51.5
10.00-11.00	52.7	48.5	50.8

Report Prepared By:

Rudra

for Qualissure Laboratory Services
Reviewed & Authorized By



Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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