

Six Monthly (June-2023) Compliance Report for Period October 2022 to March 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 at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal.

1 message

ORISSA METALIKS <orissametalikspvtltd@gmail.com>

Fri, May 26, 2023 at 11:25 AM

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

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

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Ccompliance MBF-OMPL-II_JUNE-2023.pdf

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ORISSA METALIKS PRIVATE LIMITED

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Phone : +91-33-2243-8518, Fax : +91-33-2243-8517, E-mail : sc_ompl@orissametaliks.com
Website : www.orissametaliks.com, CIN : U27109WB2006PTC111146

Ref. OMPL-II/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 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 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

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2022 to March 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 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. TCLP report MBF slag as Annexure-IX.

SIX MONTHLY COMPLIANCE REPORT (JUNE-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

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: -

October 2022 to March 2023

A.	Specific Conditions w.r.t to EC	Compliance Status
i)	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/Nm ³ . 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>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 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. <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>



		<p>covering upwind, downwind and crosswind directions after getting site approval from WBPCB.</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><tr><th>Sr. No</th><th>Year</th><th>Period Up To</th><th>Submission Date</th></tr><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><tr><td rowspan="2">6</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 rowspan="2">7</td><td rowspan="2">2022-2023</td><td>1st Dec 2022</td><td>19.11.2022</td></tr><tr><td>1st June 2023</td><td>---</td></tr></table> <p>Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached in as Annexure No. – I.</p> <p>Six monthly data of OCEMS is enclosed as Annexure-II.</p>	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	---
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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.	<p>Being Complied</p> <p>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.</p> <p>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.</p>																																														
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.	<p>Being Complied</p> <p>To control Gaseous emission levels including secondary fugitive emissions from all the sources within the latest permissible limits steps adopted by company are:</p> <ul style="list-style-type: none">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																																														






		<p>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 Qualissure Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory has done the analysis. As per monitoring reports for month of March 2023 the emission levels are as follows:</p> <table><tr><th>Parameter</th><th>MBF Plant area</th><th>Railway Siding</th><th>Product House Area</th></tr><tr><td>SPM ($\mu\text{g}/\text{m}^3$)</td><td>464</td><td>222</td><td>246</td></tr></table> <p>The Fugitive Emission analysis reports are attached in as Annexure-IV.</p>	Parameter	MBF Plant area	Railway Siding	Product House Area	SPM ($\mu\text{g}/\text{m}^3$)	464	222	246
Parameter	MBF Plant area	Railway Siding	Product House Area							
SPM ($\mu\text{g}/\text{m}^3$)	464	222	246							

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.	<p>❖ 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.</p> <p>❖ 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.</p>
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 Bansal Cement 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 vendor. 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	Being Complied

	reduce solid waste, its proper utilization and disposal.	<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><tr><th>S. No.</th><th>Particulars</th><th>Year (2022-23)</th><th>Year (2023-24)</th></tr><tr><td>1</td><td>MBF Slag</td><td>1,48,200</td><td>1,47,600</td></tr><tr><td>2</td><td>GCP Dust & Sludge</td><td>39,000</td><td>38,250</td></tr></table>	S. No.	Particulars	Year (2022-23)	Year (2023-24)	1	MBF Slag	1,48,200	1,47,600	2	GCP Dust & Sludge	39,000	38,250
S. No.	Particulars	Year (2022-23)	Year (2023-24)											
1	MBF Slag	1,48,200	1,47,600											
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 2022-23 (from October to End of March), around 4,904 saplings were planted and the survival rate is 89 %. To maintain green belt dedicated manpower has been deployed.</p> 												



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

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	Not applicable

x)

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



			implementation or the time.		
	B		To rebuild at least 40% of the coke oven batteries in next 10 years (by December 2012).	Not applicable	
	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
			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	The average water consumption is within the prescribed limit.	



			December 2005.	
		B	To operate the Co-BP effluent treatment plant efficiently to achieve the notified effluent discharge standards. - by June 2003.	Not Applicable
		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 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



				the mines and its implementation.	
			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



				<p>spraying tankers are in use.</p> <p>b) Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased from 02 times a days to 04 times a day.</p> <p>c) Dedicated street swiping machine also in use in plant.</p> <p>d) Water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.</p> <p>e) Movable Water mist fog system has been installed and in used in order to reduce the fugitive dust.</p> <p>f) Engaged more numbers of dedicated Housekeeping team with proper training and equipment.</p> <p>g) Regular painting and cleaning / whitewashing of wall.</p> <p>h) Scraps are stored in proper demarcated area with proper marking.</p> <p>i) Hazardous wastes are stored in dedicated HZW store.</p> <p>j) Regular cleaning of drain systems pre monsoon is done.</p> <p>k) Concreting of internal road with proper drainage system to reduce vehicular emission.</p> <p>l) Trucks movement for transporting raw materials & solid waste in fully covered way to avoid dust pollution.</p> <p>m) Green belt with density of 2500 per hectare along and around the plant boundary is being developed.</p>
		10	<p>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>	Not Applicable



		As per rebuilding schedule 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 Compiled <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/Nm3.	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><tr><th>Particulars</th><th>Disposal Scheme</th></tr><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></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.	Being Complied 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.
ii)	No further expansion or modifications in the plant shall be carried but without prior approval of the Ministry of Environment and Forests.	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.
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.	Complied 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 2020-21 is calculated and submitted with environmental statement in prescribed format to WBPCB vide letter no. OMPL-II/ENV_Statement/2022-2023 dated 23.09.2022.
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.	Being Complied 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/December-2021 dated 01.12.2021 CAAQMS report from all the three stations are attached in as Annexure No. – VI.
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.	Being Complied 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.
vi)	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).	Being Complied Ambient & Work Zone Noise Monitoring Analysis (inside the plant in different units) is done by MoEF&CC, New Delhi /NABL accredited Laboratories. Noise level have been monitored at four locations viz. Plant Main Gate, Dhekia Village, Railway Siding & Near MBF & PCM Plant Area



by third party monitoring agency M/s Qualissure Laboratory Services, West Bengal which is NABL/ WBPCB accredited laboratory. As per monitoring reports the noise levels are as follows:

Parameter	Near Plant Main Gate	Dhekia Village	Near Railway Siding	Near MBF & PCM Area
	Ambient		Source	
	Avg.	Avg.	Avg.	Avg.
Leq (dBA)	57.5	53.1	58.4-71.2	45.1-73.4

The Ambient & Work Zone Noise quality monitoring reports are enclosed as **Annexure – VII.**

vii) Occupational health surveillance of then workers shall be done on a regular basis and records maintained as per the Factories Act.

Being Complied With

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.

The OHS record is being enclosed as **Annexure-VIII.**

viii) 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.

Complied

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.


ix) 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.

Being Complied


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. The recent CSR/CER photograph are:



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.	<div>Being Complied</div> <div>Requisite fund is earmarked towards capital cost and annual recurring cost for implementing the environmental protection measures.</div> <table><tr><th colspan="4">Recurring Cost Incurred on Environmental Safeguard</th></tr><tr><th>Year</th><th>Particulars</th><th>Narration</th><th>Amount (INR)</th></tr><tr><td rowspan="4">2022-2023 (Till Sept.)</td><td>Green Belt Development</td><td>Maintenance, labour cost etc.</td><td>1,79,500.00</td></tr><tr><td>House Keeping</td><td>Labour charges, Drainage Cleaning and other materials</td><td>1,20,000.00</td></tr><tr><td>Analysis & Monitoring of Environmental Parameters</td><td>Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis</td><td>75,000.00</td></tr><tr><td>O & M on A.P.C Devices</td><td>Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.</td><td>97,00,500.0</td></tr><tr><td colspan="3">TOTAL</td><td>1,00,75,000</td></tr></table>	Recurring Cost Incurred on Environmental Safeguard				Year	Particulars	Narration	Amount (INR)	2022-2023 (Till Sept.)	Green Belt Development	Maintenance, labour cost etc.	1,79,500.00	House Keeping	Labour charges, Drainage Cleaning and other materials	1,20,000.00	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	75,000.00	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	97,00,500.0	TOTAL			1,00,75,000
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TOTAL			1,00,75,000																								
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.	<div>Complied</div> <div>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.</div> <div>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.</div>																									
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 PM0,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.	<div>Being Complied</div> <div>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 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/.</div> <div></div>																									



		Electronic display board is installed at plant main gate and online stack emission data a CAAQMS data is also being displayed.																																														
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>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><tr><th>Sr. No</th><th>Year</th><th>Period Up To</th><th>Submission Date</th></tr><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><tr><td rowspan="2">6</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 rowspan="2">7</td><td rowspan="2">2022-2023</td><td>1st Dec 2022</td><td>19.11.2022</td></tr><tr><td>1st June 2023</td><td>---</td></tr></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	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	---
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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.	<p>Complied</p> <p>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 2021-22 is submitted to WBPCB vide letter no. OMPL-II/ENV_Statement/2022-2023 dated 23.09.2022 and also uploaded on the website of the company http://orissametaliks.com/qehs.html.</p>																																														
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.	<p>Complied</p> <p>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:</p> <ul style="list-style-type: none">Aajkal (Bengali Version) dated 10.07.2021Echo of India (English version) dated 10.07.2021 <p>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.</p>																																														
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.	<p>Noted</p> <p>Company is a private company and no finance is needed from outside.</p>																																														
xvii)	The Ministry may revoke or suspend the	<p>Noted</p> 																																														



	clearance, if implementation of any of the above conditions is not satisfactory.	
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.

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





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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-31/23-24/C/01
	Date : 05.05.2023
M/s. Orissa Metaliks Pvt. Ltd.(Unit-II)	Sample No. : QLS/P-31/23-24/01
Address: Vill- Gokulpur, P.O- Shyamraipur,	Sample Description : Ambient Air
P.S- Kharagpur (L), Paschim Medinipur-	Date of performance : 19.03.2023-25.03.2023
721301, West Bengal.	Ref No. Date : 0222368533 Dated. 27.09.2022

Analysis Result

Location : Near Plant Main Gate		Date of sampling : 17.03.2023-18.03.2023		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	79	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	47	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO₂) in µg/m³	7.2	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO₂) in µg/m³	28.2	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	755	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:

R. Sheema

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)



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

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



Qualissure Laboratory Services

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-31/23-24/C/02
M/s. Orissa Metaliks Pvt. Ltd.(Unit-II)	Date : 05.05.2023
Address: Vill- Gokulpur, P.O- Shyamraipur,	Sample No : QLS/P-31/23-24/02
P.S- Kharagpur (L), Paschim Medinipur-	Sample Description : Ambient Air
721301, West Bengal.	Date of performance : 19.03.2023-25.03.2023
	Ref No. Date : 0222368533 Dated. 27.09.2022

Analysis Result

Location : Dhekia Village		Date of sampling : 17-18.03.2023		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m³	73	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m³	34	60	USEPA CFR-40.Part-50. Appendix-L
3	Sulphur dioxide (SO₂) in µg/m³	7.8	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO₂) in µg/m³	25.6	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m³	675	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:

Darker

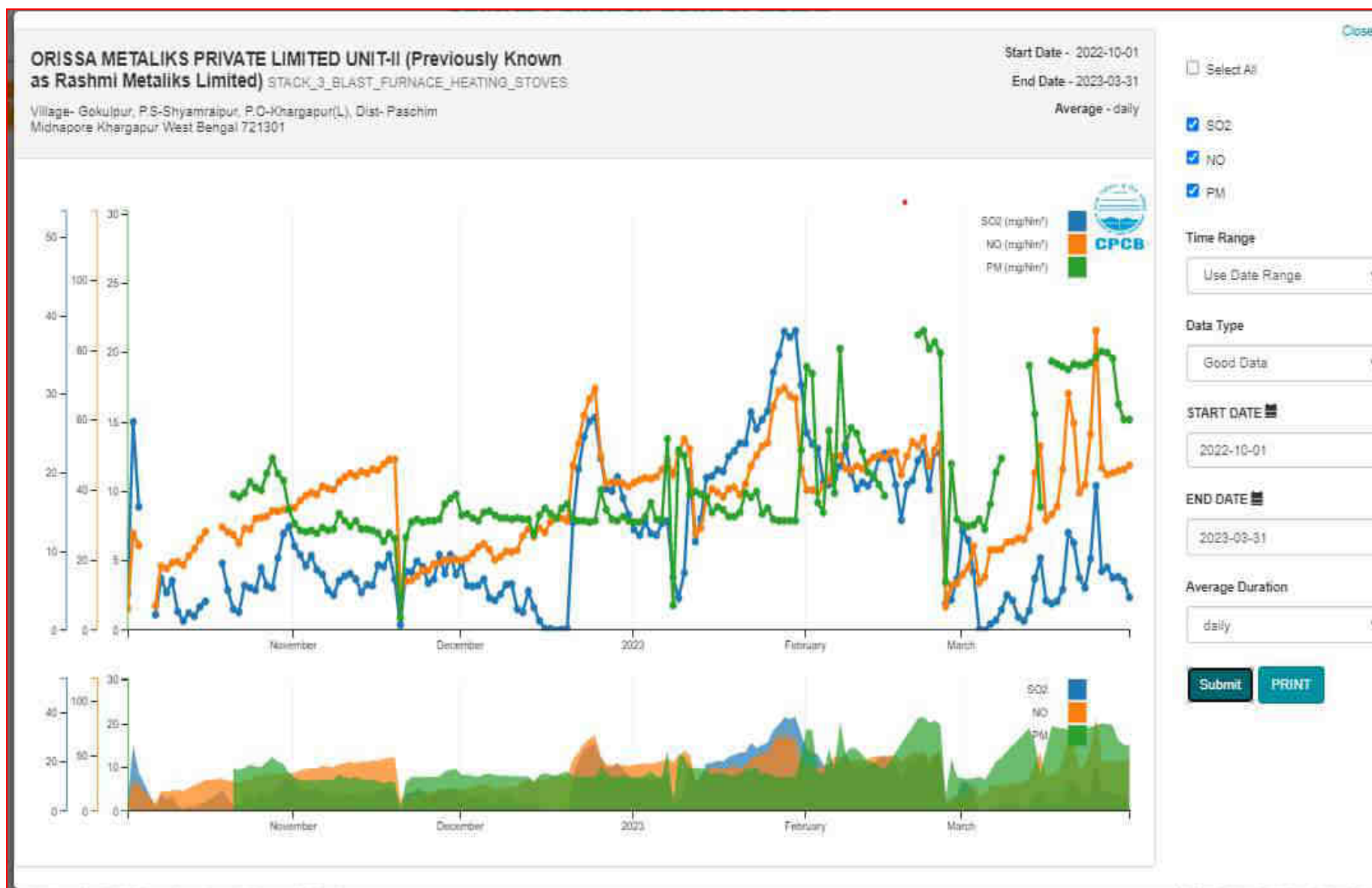
for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai
Benimadhab Gorai, Chemist
(Authorized Signatory)

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

OCEMS





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-II)	
2. Address		Vill-Gokulpur PO- Shyamraipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red, Sponge Iron	
4. Sampling Date		08/03/2022	
5. Duration of Sampling		33 min	
6. Name of Laboratory		R.V Briggs & Co. Pvt. Ltd	
7. Height of Stack from ground (m)		45.0	
8. Cross section of Stack at sampling point(m ²)		4.52	
9. Stack connected to		Mini Blast Furnace	
10. Emission due to (Furnace /Boiler)		Combustion of BF gas	
11. Average operational hours of boiler/ furnace (per month)		720 hrs	
12. APC System (if any)		Gas Cleaning Plant	
13. Working load of source (MT/hr)		390000 MT/hr	
14. Fuel used		BF Gas	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		44000 Nm ³ /hr	
17. Nature of Furnace /Boiler			
18. Flue gas Temp. (°C)		252.0	
19. Flue gas velocity m/s	11.90	20. Volume of Flue gas drawn in lit (m ³)	1.023
21. Corrected flue gas volume (Nm ³)	0.8798	22. Percentage CO ₂ & O ₂	CO ₂ -12.4% & O ₂ -7.6%
23. To be compensated at (% , if required)		-	
24. Initial wt of thimble (gm)	1.5152	25. Final wt of thimble (gm)	1.5182
26. Wt. of PM (g)	3.0	27. Particulate matter (mg/Nm ³)	3.41
28. Barometric Pressure Head	758 mm of Hg	29. Diameter of the nozzle	9.525 mm
30. Others:-		31. Thimble No.	770
32. Sampled by:		A.Das, AEE, HRO	

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

Gangadhar 04/04/22
Scientist

[Signature]
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)



Qualissure Laboratory Services

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



TC-6271

DOC No. -QLS/SAMP/01-A/00

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-31/23-24/C/03
M/s. Orissa Metaliks Pvt. Ltd.(Unit-II)	Date : 05.05.2023
Address: Vill- Gokulpur, P.O-	Sample No. : QLS/P-31/23-24/03-08
Shyamraipur, P.S- Kharagpur (L), Paschim	Date of Performance : 19.03.2023-25.03.2023
Medinipur- 721301, West Bengal.	Sample Description : Fugitive Air
	Ref No. Date : 0222368533 Dated. 27.09.2022

Analysis Result of Fugitive Air

Sampling Done by: C.Sahoo			
Environmental Condition : Sunny & Clear			
Sampling done as per : CPCB Guidelines (Volume-1)			
Sample No.	Location	Date of Sampling	(SPM) in $\mu\text{g}/\text{m}^3$
03	Pellet Plant Area I & II	17.03.2023	282
04	MBF & Oxygen Plant area	17.03.2023	464
05	Railway Siding	17.03.2023	222
06	Iron or Beneficiation Area	18.03.2022	368
07	Product House	18.10.2022	246
08	Pellet Plant Area III & V	18.10.2022	237
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

Report Prepared By:

[Signature]

for Qualissure Laboratory Services

Reviewed & Authorized By



[Signature]
Benimadhab Gorai, Chemist
(Authorized Signatory)

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

- The results relate only to the item(s) tested.
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ANNEXURE-V

FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT/PLANTATION UNDER E (P) ACT 1986

1 a)	Name of the Project :	M/s Orissa Metaliks Private Limited (II)-
		<ul style="list-style-type: none"> Proposed Iron ore beneficiation/wet grinding plant (matching with pellet capacity), Pellet Plant (2.2 MTPA), Producer gas Plant (480 TPD or 75000 Nm³/Hr) and Coke oven Plant (0.225 MTPA) along with 15 MW WHRB based Captive Power Plant. Expansion of Steel Plant (0.5 MTPA MBF and SMS) by adding Matching beneficiation cum Pellet plant to produce 2.2 MTPA (2 x 1.1 MTPA) with producer gas plant (75000 Nm³/Hr) Mini Blast Furnace (1 x 320m³)-4,50,000 TPA with matching PCM and 200 TPD Oxygen Plant.
1 b)	Environment Clearance Nos. :	<ul style="list-style-type: none"> F. NO. – J-11011/182/2012-IA II (I) DATED: 24TH FEBRUARY, 2015; MEMO NO. 264-2N-29/2019(E)-PT dated 23RD AUGUST, 2020 AND MEMO NO. 131-2N-29/2019(E)-PT dated 16TH MARCH 2022. F. NO. – J-11011/604/2010-IA II(I), DATED 1ST JUNE ,2012, 4TH JANUARY ,2017 & 2ND JUNE ,2017, MEMO NO. 264-2N-29/2019(E)-PT dated 23RD AUGUST, 2020 AND MEMO NO. 131-2N-29/2019(E)-PT dated 16TH MARCH 2022. F.NO. – J-11011/229/2007-IA II (I) DATED 07.07.2021 AND MEMO NO. 131-2N-29/2019(E)-PT dated 16TH MARCH 2022.
2	Location, Block/ Sub. Divn. / Dist/ State:	Mouja- Dhekia, Khidipur& Sujatpur, at Village - Gokulpur, Tehsil – Kharagpur, District - Paschim Medinipur, West Bengal
3	Address for communication :	1, Grastin Place, Orbit House, 3 rd Floor, Room No - 3B Kolkata – 700 001(WB)
4	Existing vegetation in the area/ region	Vacant Land
a	Species (trees/shrubs/grasses/climbers)	Not Applicable
b	Major prevalent species of each type	Not Applicable
5	Land coverage by the project	
a	Total area under the project	70.0 Acres
b	Area covered for basic infrastructure (roads/building/factory etc.)	46.57 Acres
6	Details about natural vegetation	Vacant Land
a	Name and number of tree/ species felled	Not Applicable
b	Name and number of plant species still available in the area	Not Applicable
c	By protecting the area will indigenous stock come up	Not Applicable
d	Extent of greenbelt developed	23.43 Acres (33%)
7	Plantations required to be carried out as per	
a	Conditions of Environmental Clearance in ha./ Nos.	23.80 Acres (34%)
b	Conditions for Forest act (c) clearance in ha./ Nos.	Not Applicable



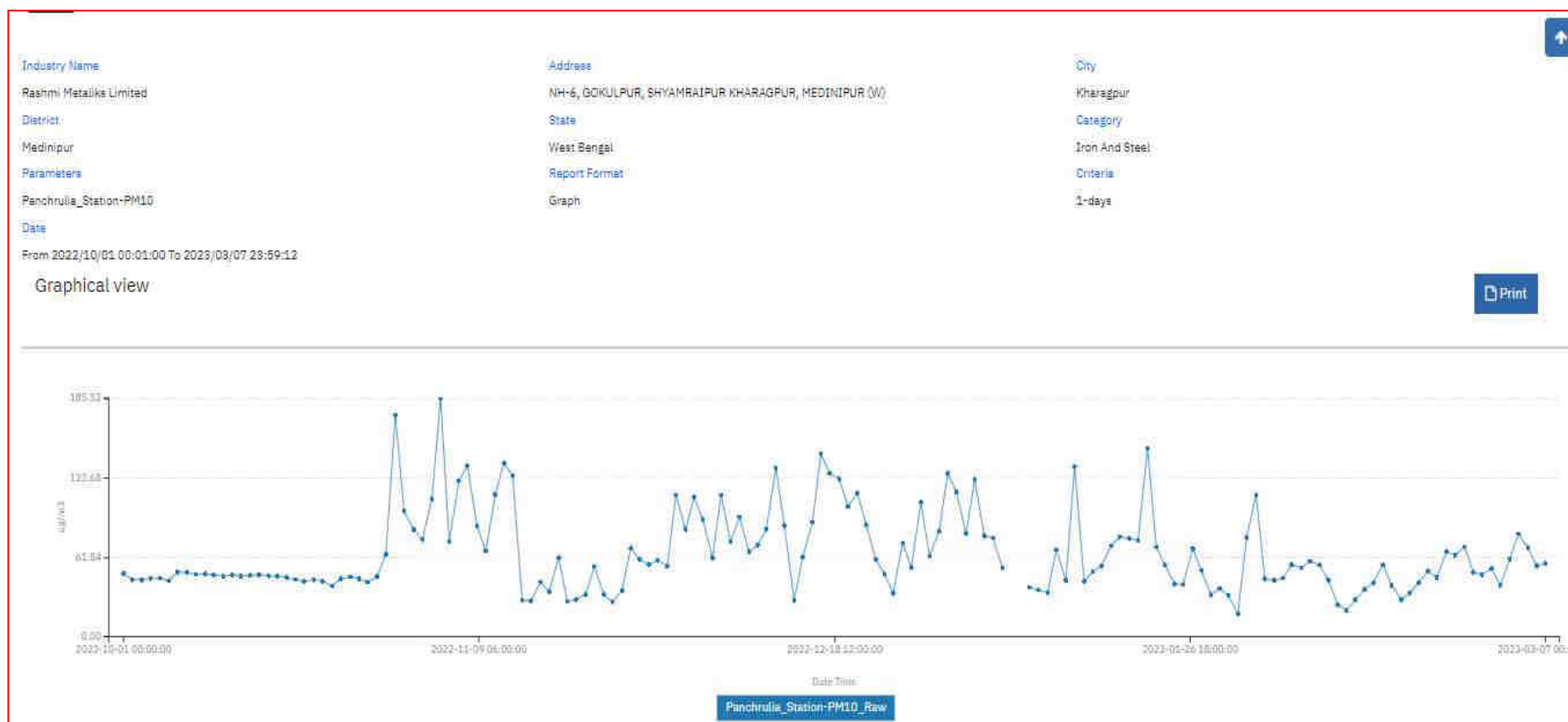
	c	Voluntarily in no. for green belt development in nearby area (Oct. 2022-March 2023)		Nil																	
8	a	Details of plantations																			
		Plantation details (category wise & methodology used)	Year of plantation	Species Planted		Quantity															
			2022-2023(October-March)	MALAYASIAN SAL		315															
				KRISHNACHURA		1584															
				NEEM		180															
				MEHAGUNI		200															
				AKASMONI		300															
				SONAJHURI		150															
				PUTRANJIBA		300															
				KELENDRA		245															
				GULMOHOR		380															
				CHHATIM		300															
	RADHACHURA		950																		
Survival of plantation		Before 2018	2018-2019	2019-2021	2021-2022	2022-2023															
- Total Seedling/ Plantation (No.)		7650	6600	20,000	3,000	8558															
- Survival Trees (No) as on date from date of EC		3825	4000	17,400	2,640	7,581															
- Survival		50%	60.6%	87%	88%	89%															
9	Agency carrying out plantation and maintenance			Our own horticulture department & third party																	
10	Financial details (year wise) plantation wise and item wise			<table><tr><td>Sl. No.</td><td>Year</td><td>Funds allocated (Rupees)</td><td colspan="3">Expenditure made including voluntarily tree plantation cost (Rupees)</td></tr><tr><td>1</td><td>2022 – 23</td><td>25,00,000</td><td colspan="3">29,95,300</td></tr></table>						Sl. No.	Year	Funds allocated (Rupees)	Expenditure made including voluntarily tree plantation cost (Rupees)			1	2022 – 23	25,00,000	29,95,300		
Sl. No.	Year	Funds allocated (Rupees)	Expenditure made including voluntarily tree plantation cost (Rupees)																		
1	2022 – 23	25,00,000	29,95,300																		



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

STATION : PANCHRULIA

ANNEXURE-VI



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

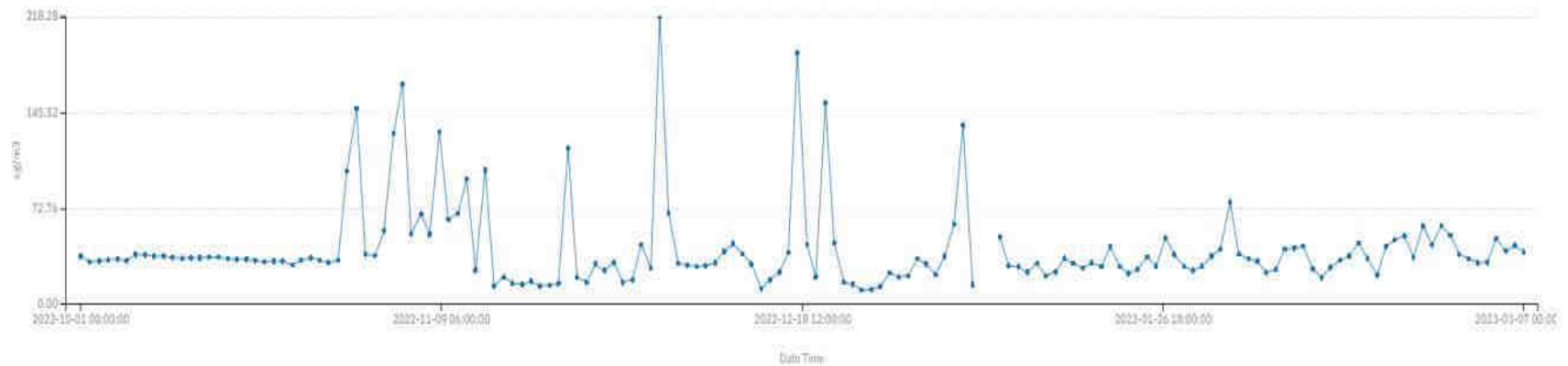
Iron And Steel

Criteria

1-days

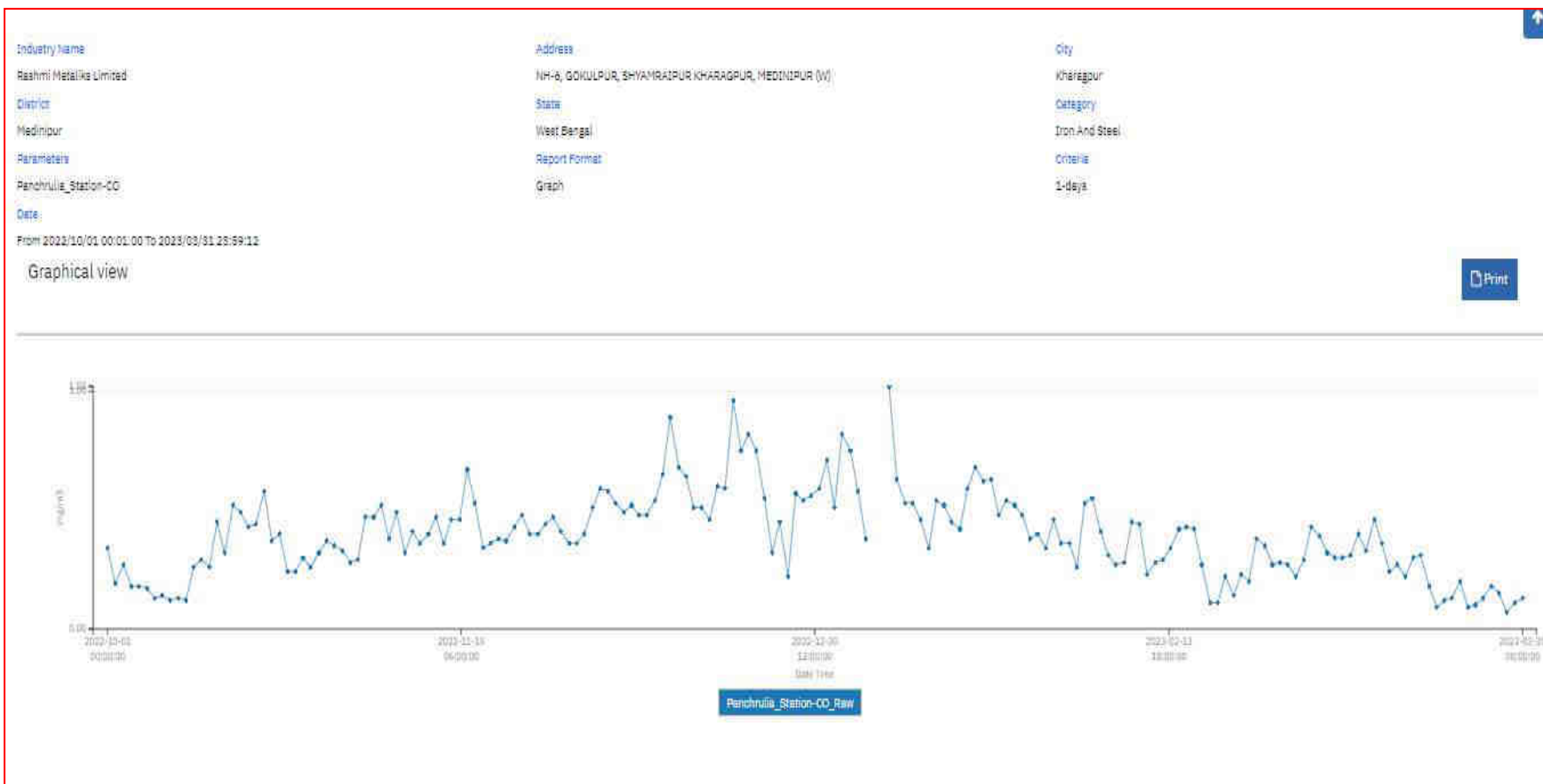
Print

Graphical view



Panchrulia_Station-PM2.5_Raw

PARAMETER-PM_{2.5}



PARAMETER-CO



Industry Name

Rajshri Metaliks Limited

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Panchrulia_Station-NOx

Report Format

Graph

Criteria

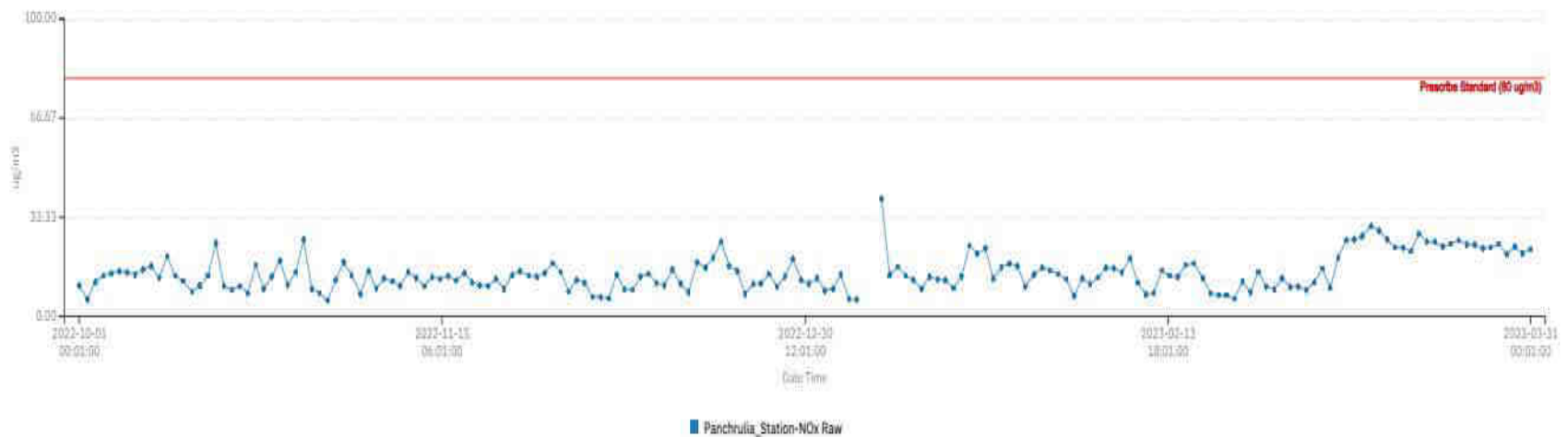
5-days

Date

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

Print

Graphical view



PARAMETER-NOx

Industry Name

Rashmi 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

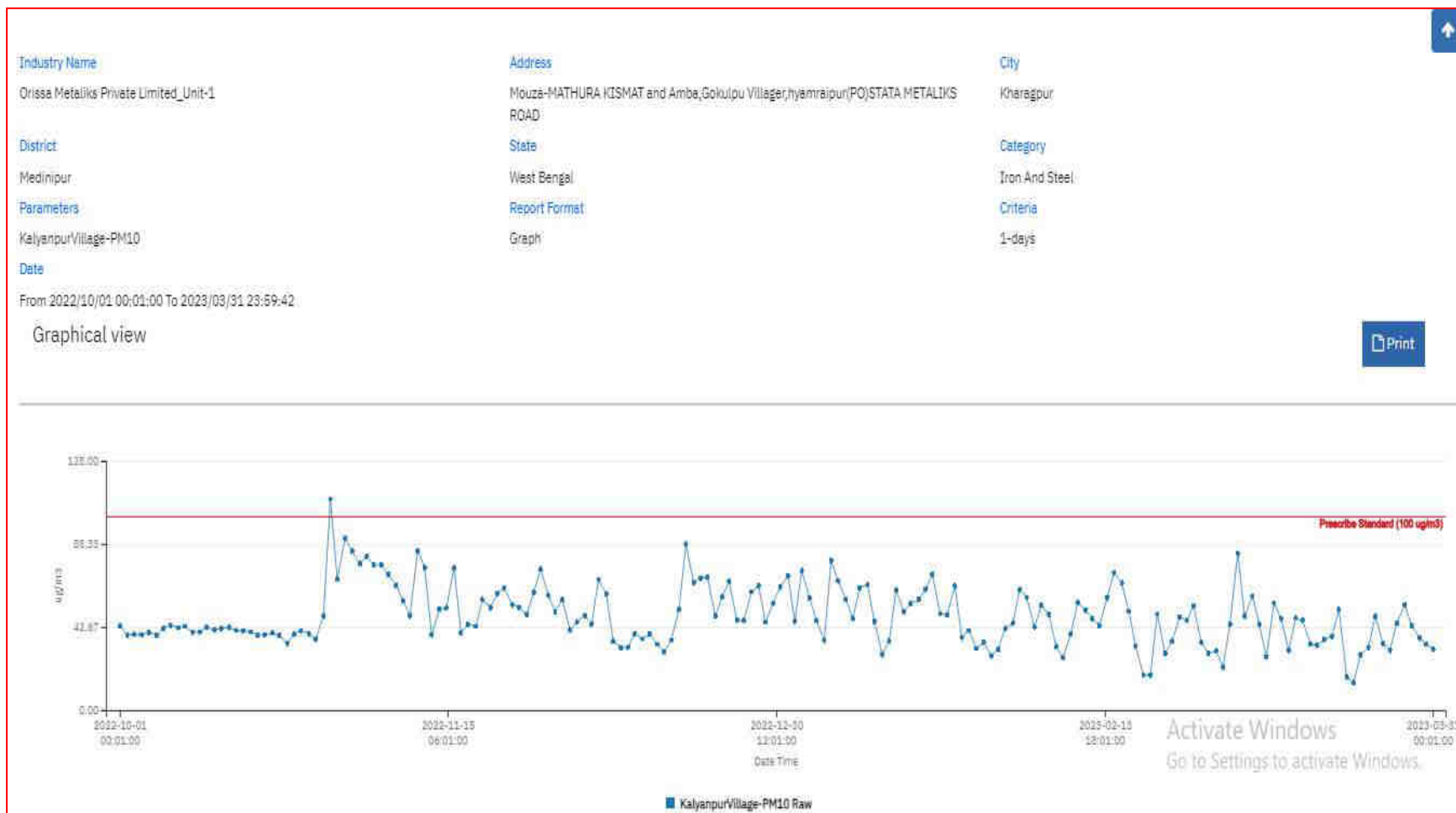
Print

Graphical view



PARAMETER-SO₂

STATION:-KALYANPUR



PARAMETER-PM₁₀



Industry Name

Orissa Metaliks Private Limited_Unit-1

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

KalyanpurVillage-PM2.5

Report Format

Graph

Criteris

1-days

Date

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

Graphical view

Print



PARAMETER-PM_{2.5}



PARAMETER-CO

Back



Industry Name

Oriessa Metaliks Private Limited_Unit-1

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

KalyanpurVillage-NOx

Report Format

Graph

Criteria

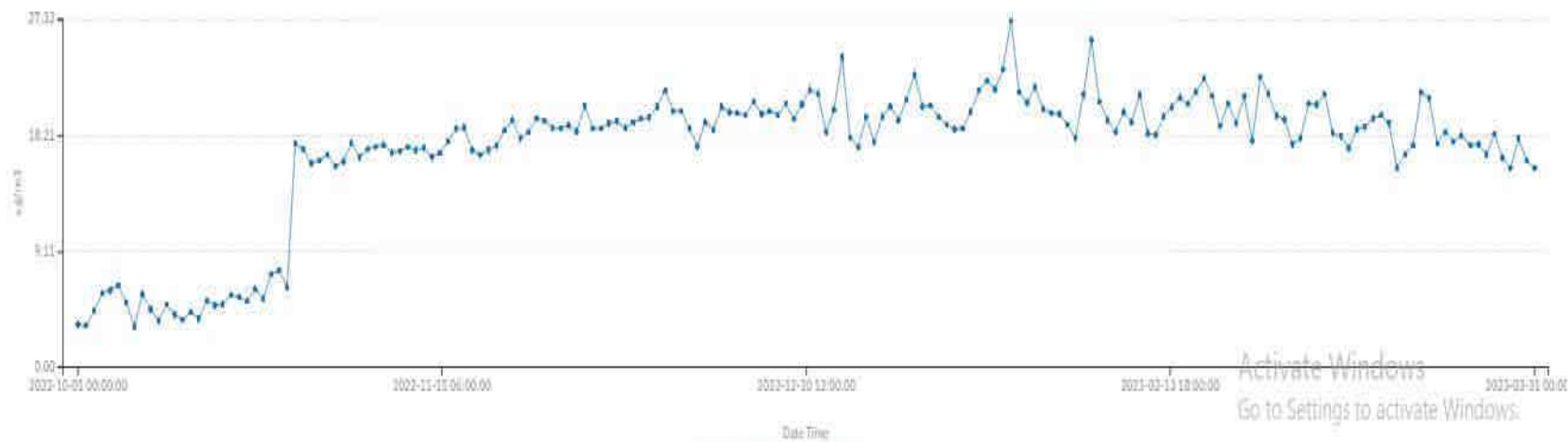
1-days

Date

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

Print

Graphical view



KalyanpurVillage-NOx_Raw

Activate Windows
Go to Settings to activate Windows.

PARAMETER-NOx



PARAMETER-SO2

STATION : BARKOLA



PARAMETER-PM₁₀

Back



Industry Name

M/S Washmi Alloy Steel Private Limited

Address

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

City

Kharagpur

District

Medinipur

State

West Bengal

Category

Iron And Steel

Parameters

Barkola_Station-PM2.5

Report Format

Graph

Criteria

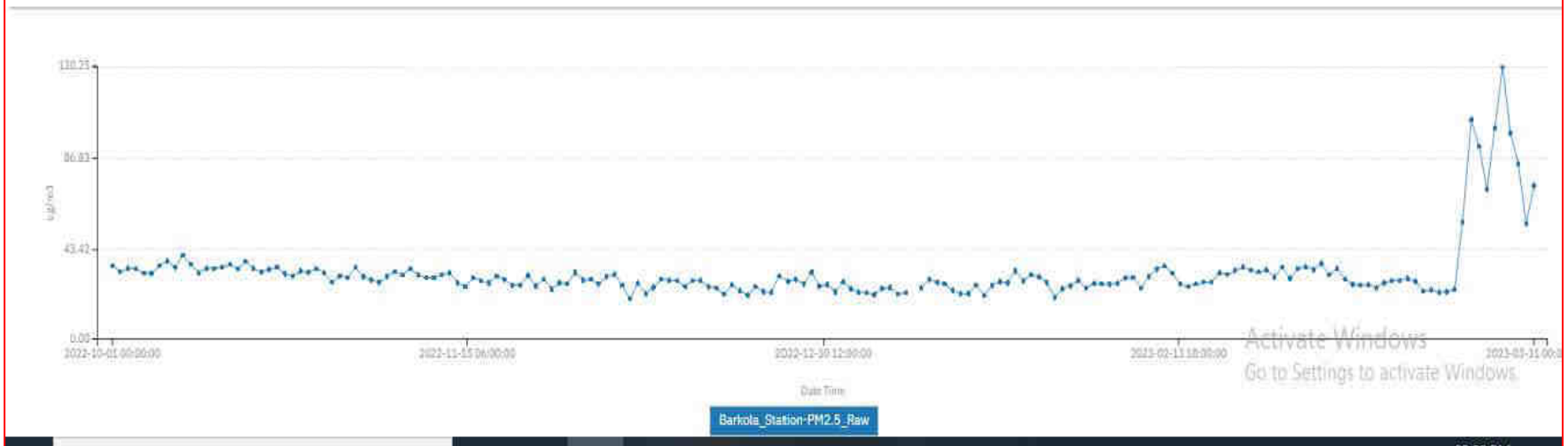
1-days

Date

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

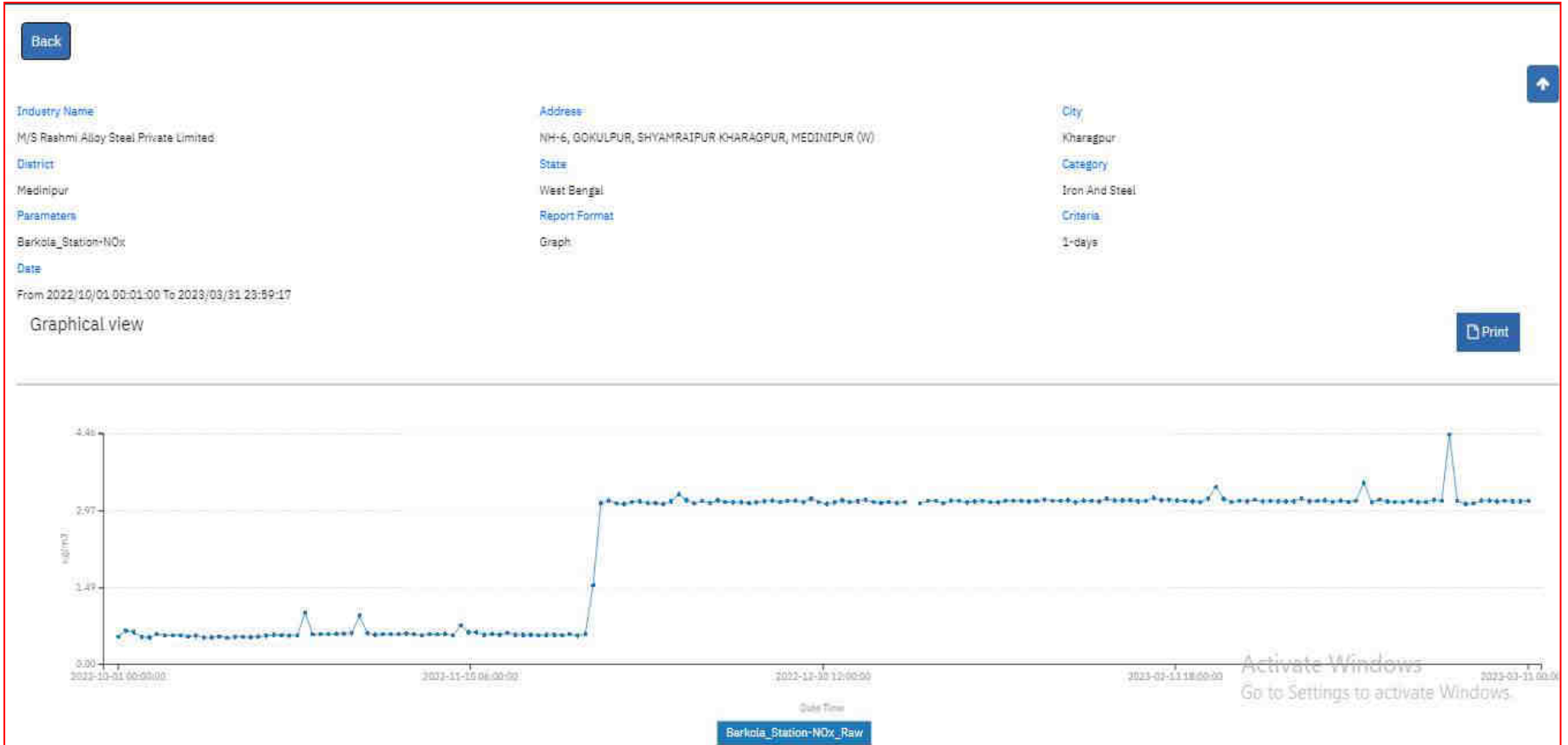
Graphical view

Print



PARAMETER-PM_{2.5}





PARAMETER-NOx

Back



Industry Name

I/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

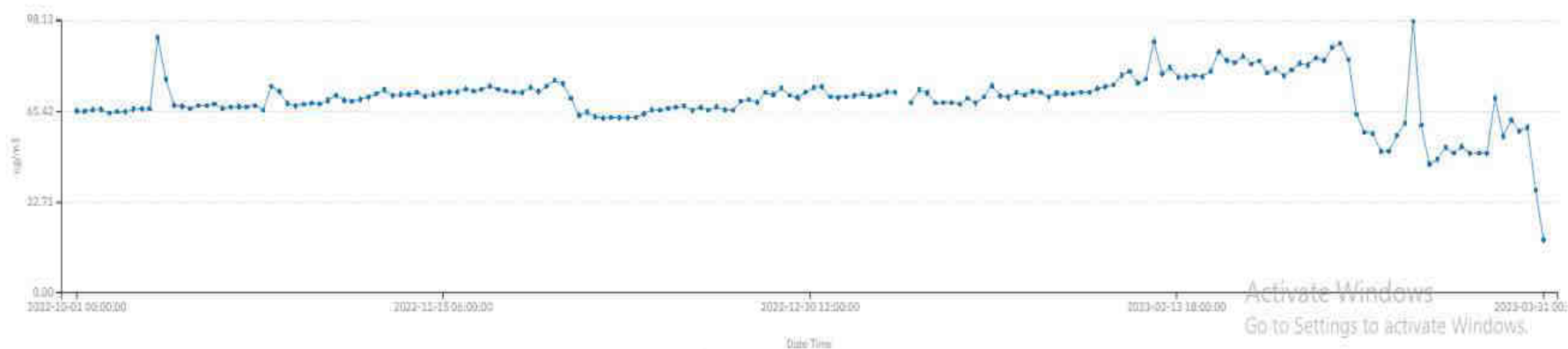
1-days

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

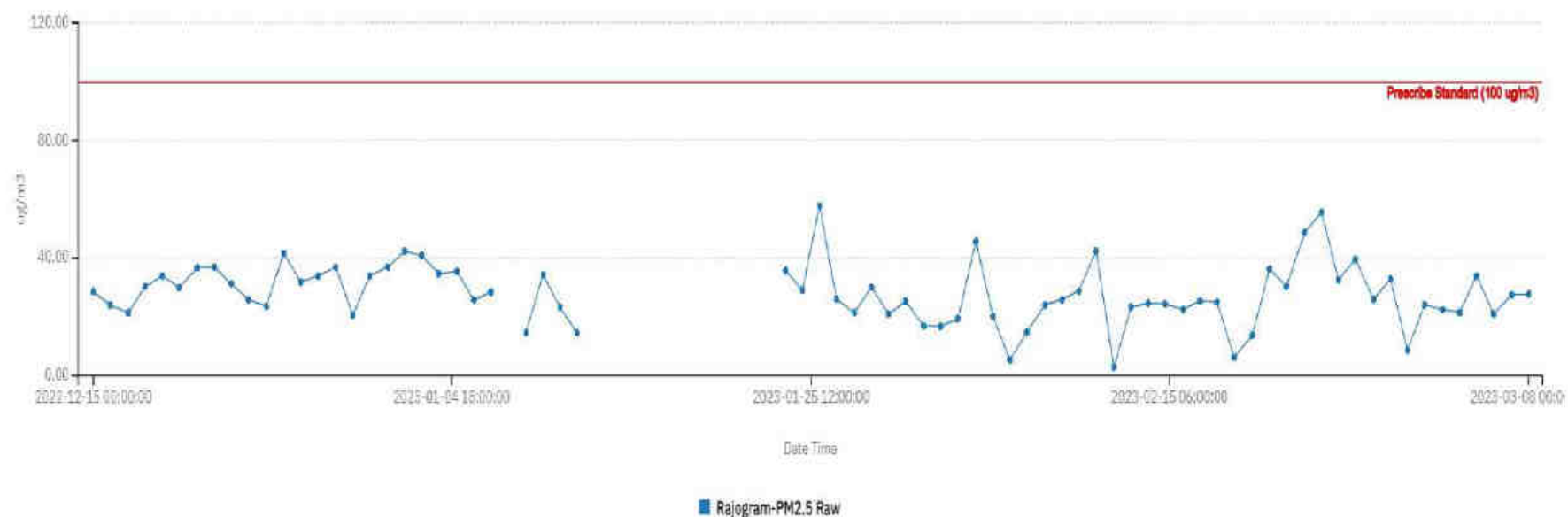
1-days

Date

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

Graphical view

Print



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

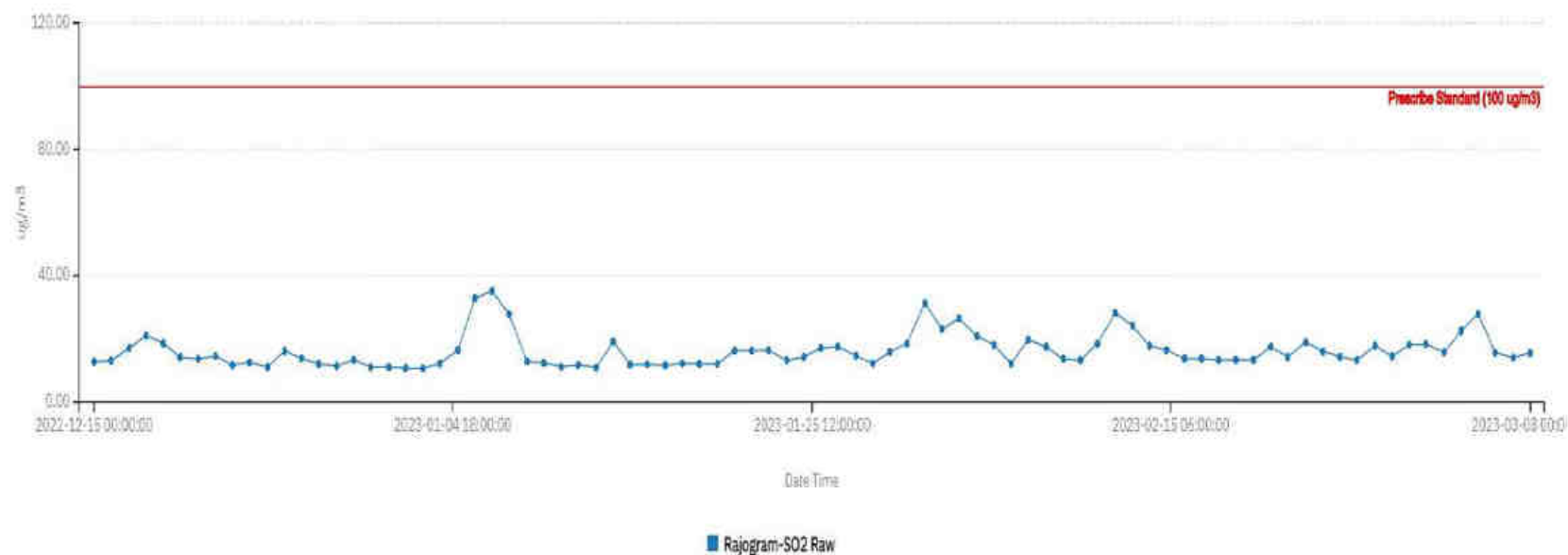
1-days

Date

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

Graphical view

Print



Parameter- SO2

Industry Name

Grissa 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

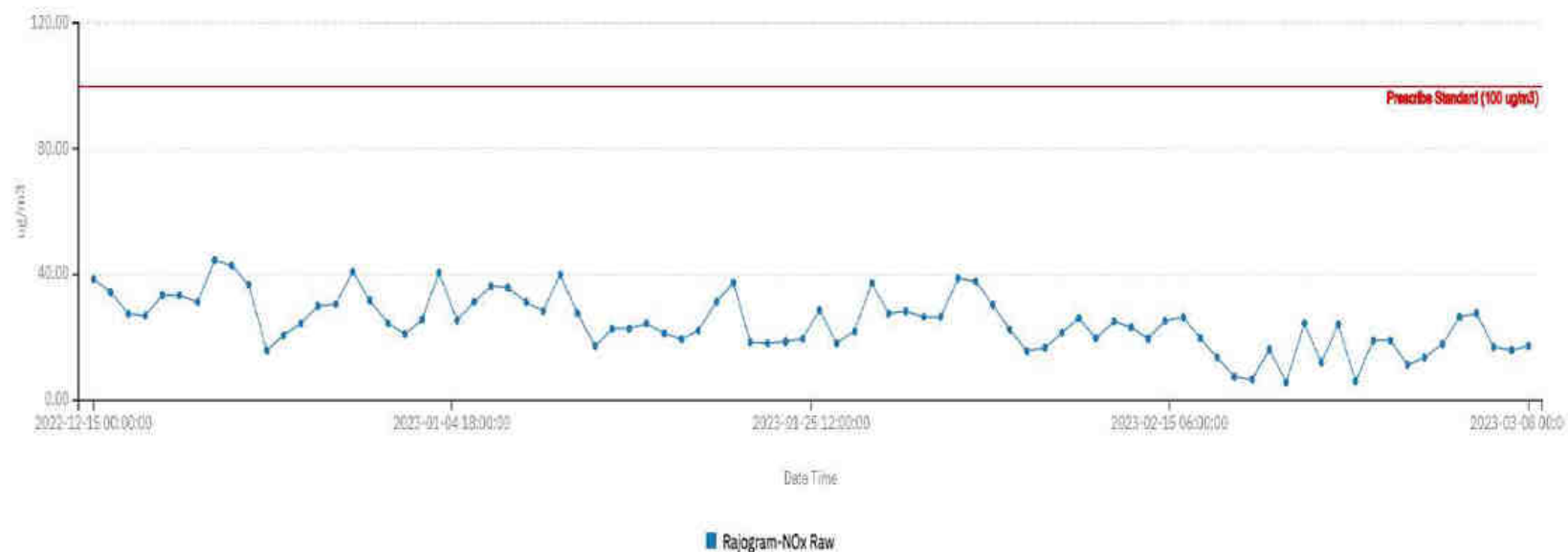
1-days

Date

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

Print

Graphical view



Parameter- NOx

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-CO

Report Format

Graph

Criteria

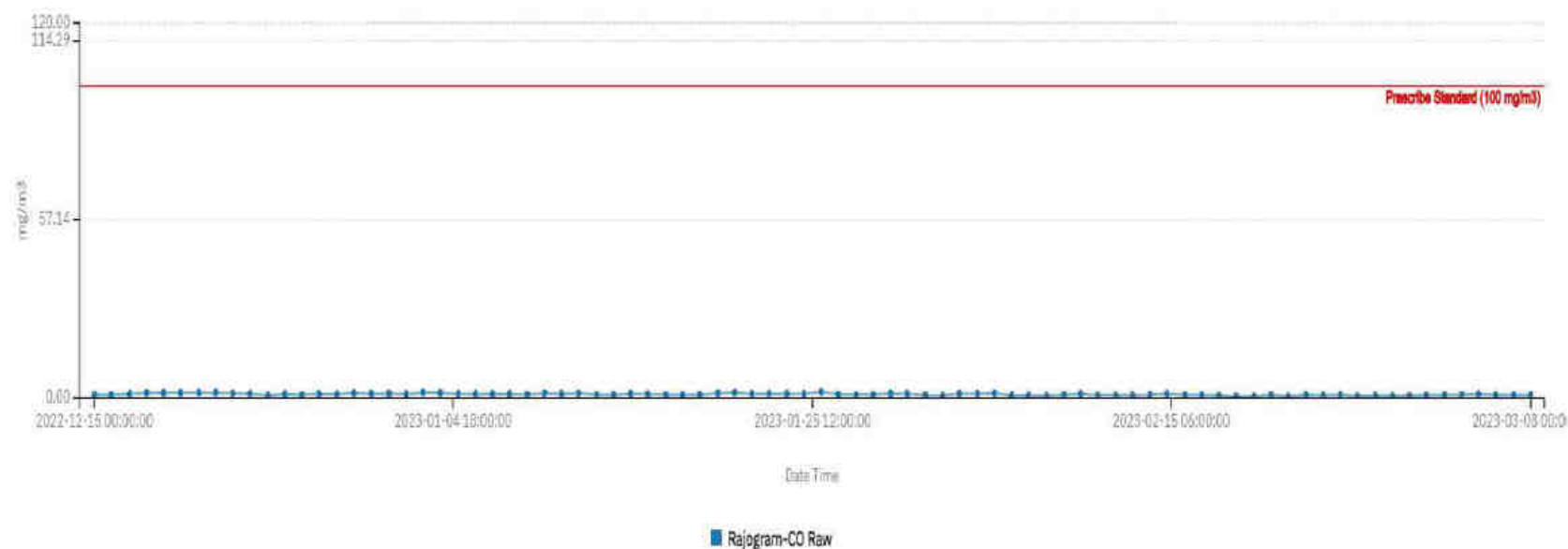
1-days

Date

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

Graphical view

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Parameter- CO



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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-31/23-24/C/09B
M/s. Orissa Metaliks Pvt. Ltd.(Unit-II)	Date : 05.05.2023
Address: Vill- Gokulpur, P.O-	Sample No. : QLS/P-31/23-24/09B
Shyamraipur, P.S- Kharagpur (L),	Date Of Performance : 19.03.2023-25.03.2023
Paschim Medinipur- 721301, West	Sample Description : Noise Monitoring
Bengal.	Ref No. Date : 0222368533 Dated. 27.09.2022

Monitoring Result of Noise

Sampling Done By: P.Mahato			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Near MBF & PCM Area			
Date of Monitoring : 17.03.2023-18.03.2023			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	53.0	51.5	52.4
07.00-08.00	64.8	52.0	59.5
08.00-09.00	55.1	54.3	54.6
09.00-10.00	55.4	54.7	55.1
10.00-11.00	57.3	55.0	56.5
11.00-12.00	58.2	56.5	57.4
12.00-13.00	67.8	64.8	66.5
13.00-14.00	69.8	66.5	68.2
14.00-15.00	70.8	65.9	68.8
15.00-16.00	72.5	69.2	71.1
16.00-17.00	73.2	69.9	71.4
17.00-18.00	72.5	69.2	71.2
18.00-19.00	74.5	71.5	73.4
19.00-20.00	62.5	61.8	62.2
20.00-21.00	61.5	60.5	61.2
21.00-22.00	59.2	57.8	58.5
22.00-23.00	58.0	57.2	57.6
23.00-00.00	54.2	53.6	54.0
00.00-01.00	53.0	51.6	52.4
01.00-02.00	50.2	49.8	50.1
02.00-03.00	50.3	48.0	49.7
03.00-04.00	48.0	47.0	47.4
04.00-05.00	46.8	44.2	45.9
05.00-06.00	45.7	44.3	45.1

Report Prepared By:

Karitan

for Qualissure Laboratory Services
Reviewed & Authorized By

Beni
Benimadhab Gorai, Chemist
(Authorized Signatory)

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Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976



TC-6271

DOC NO : QLS/SAMP/08 C/00

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-31/23-24/C/09C
M/s. Orissa Metaliks Pvt. Ltd.(Unit-II)	Date : 05.05.2023
Address: Vill- Gokulpur, P.O-	Sample No. : QLS/P-31/23-24/09C
Shyamraipur, P.S- Kharagpur (L), Paschim	Date Of Performance : 19.03.2023-25.03.2022
Medinipur- 721301, West Bengal.	Sample Description : Noise Monitoring
	Ref No. Date : 0222368533 Dated. 27.09.2022

Monitoring Result of Noise

Sampling Done By: P.Mahato			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Near Railway Siding			
Date of Monitoring : 17.03.2023-18.03.2023			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	61.2	56.9	59.8
07.00-08.00	63.0	58.6	61.6
08.00-09.00	65.1	60.3	63.0
09.00-10.00	64.6	60.2	62.9
10.00-11.00	67.2	62.3	65.6
11.00-12.00	68.4	61.3	66.2
12.00-13.00	68.0	61.9	65.5
13.00-14.00	67.7	60.5	64.9
14.00-15.00	70.7	61.3	67.2
15.00-16.00	71.5	62.5	68.6
16.00-17.00	72.3	61.5	68.6
17.00-18.00	73.3	62.3	69.4
18.00-19.00	74.5	62.3	69.9
19.00-20.00	74.1	66.5	71.2
20.00-21.00	73.5	64.5	70.0
21.00-22.00	74.0	62.3	70.3
22.00-23.00	73.0	63.5	70.3
23.00-00.00	74.4	62.3	68.8
00.00-01.00	71.4	60.3	66.6
01.00-02.00	67.6	59.8	64.2
02.00-03.00	67.4	58.9	64.9
03.00-04.00	66.0	59.8	63.9
04.00-05.00	62.5	58.2	60.6
05.00-06.00	60.0	55.7	58.4

Report Prepared By:

R. S. Sengupta

for Qualissure Laboratory Services

Reviewed & Authorized By:

Benimadhab Gorai, Chemist
(Authorized Signatory)

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Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093976



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-31/23-24/C/10
M/s. Orissa Metaliks Pvt. Ltd.(Unit-II)	Date : 05.05.2023
Address: Vill- Gokulpur, P.O-	Sample No. : QLS/P-31/23-24/10(A-B)
Shyamraipur, P.S- Kharagpur (L), Paschim	Sample Description : Noise
Medinipur- 721301, West Bengal.	Date of performance : 19.03.2023-25.03.2023
	Ref No. Date : 0222368533 Dated. 27.09.2022

Monitoring Result of Noise

Sampling Done By: P.Mahato					
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)					
Sample No.	Date of Monitoring	Location	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
10A	17.03.2023	Near Plant Main Gate	64.1	44.0	57.5
10B	18.03.2023	Dhekia Village	61.0	43.0	53.1

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By



Benimadhab Gorai, Chemist
(Authorized Signatory)

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Annexure – VIII

[illegible]

[Prescribed under Rules 63 & 94 of the West Bengal Factories Rules 1938]

[illegible]

NOTE:— Support pig (tail) is indicated by dotted wedge
E: Feed area (tail) is used for neck placement.

REGISTER

as amended and Notification No. 1193-LW-IR-1/91 dated 7th Nov, 1991.

4. Date of birth: 6-1-68, 1965

3. Medical examination and the results thereof

If declared unfit for work.

[illegible]

HEALTH

[Prescribed under Rules 83 & 94 of the West Bengal Factories Rules 1950]

2. Sex: ☐ Male ☐ Female[illegible]

NOTE.—Requests for reprints should be forwarded to the author(s) and not to the publisher.

REGISTER

as amended vide Notification No. 1113-LW/HR.1/VI dated 17th Nov. 1951

5. Medical stimulation and the media thread

5. Medical malpractice and the media storm

If you need credit for work

[illegible]

HEALTH

1. Serial No. in the Register of adult worker: 91280
2. Name of worker: SHASHI BALU SHAM CHAUDHARI
3. Sex: M/F: F

[Prescribed under Entry 81 A & B of the West Bengal Factories Rules 1924]

A. Sex: male

[illegible]

NOTE: Judgment should be reserved for the case where
1. Evidence should be made for each statement.

REGISTER

14

an unrecorded wide distribution. No. 1185, L. W. 18-2/91, dated 22th Nov. 1991.

4. Date of birth: 05-12-1990

1. Medical examinations and the results thereof

It doesn't work for you.

Place of birth & date thereof	Birth PLUG	Place of baptism (see also note)	Place of birth (see also note)	Date of baptism (see also note)	Date of baptism (see also note)	Date of baptism (see also note)
11	12	13	14	15	16	17
OP. 192/1950-1951. 1951-1952. 1952-1953. 1953-1954. 1954-1955. 1955-1956. 1956-1957. 1957-1958. 1958-1959. 1959-1960. 1960-1961. 1961-1962. 1962-1963. 1963-1964. 1964-1965. 1965-1966. 1966-1967. 1967-1968. 1968-1969. 1969-1970. 1970-1971. 1971-1972. 1972-1973. 1973-1974. 1974-1975. 1975-1976. 1976-1977. 1977-1978. 1978-1979. 1979-1980. 1980-1981. 1981-1982. 1982-1983. 1983-1984. 1984-1985. 1985-1986. 1986-1987. 1987-1988. 1988-1989. 1989-1990. 1990-1991. 1991-1992. 1992-1993. 1993-1994. 1994-1995. 1995-1996. 1996-1997. 1997-1998. 1998-1999. 1999-2000. 2000-2001. 2001-2002. 2002-2003. 2003-2004. 2004-2005. 2005-2006. 2006-2007. 2007-2008. 2008-2009. 2009-2010. 2010-2011. 2011-2012. 2012-2013. 2013-2014. 2014-2015. 2015-2016. 2016-2017. 2017-2018. 2018-2019. 2019-2020. 2020-2021. 2021-2022. 2022-2023. 2023-2024. 2024-2025. 2025-2026. 2026-2027. 2027-2028. 2028-2029. 2029-2030. 2030-2031. 2031-2032. 2032-2033. 2033-2034. 2034-2035. 2035-2036. 2036-2037. 2037-2038. 2038-2039. 2039-2040. 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 2/25/73

[Presented under Rules 81 & 84 of the West Bengal Factories Rules 1946]

REGISTER

as amended vide Notification No. 1183-L90-TR-1/91 dated 25th Nov. 1991.

* declared unfit for work

3. Physical examination and the results thereof

[illegible]

Table 1.2. Approximate Weight by Measurement for children aged 5-17. Find your child's weight in pounds for each measurement.

[Prescribed under Rules 63 & 94 of the West Bengal Factories Rules 1954]

3 Sex: MALE

[illegible]

Notes: 1. Income per pupil should be normalized for national market.
2. Data were used to make the rank assessment.

REGISTER

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as entered with Notification No. 1113-LW-IR-1/51 dated 27th Nov. 1991)

4. Date of birth: 08.01.1994

5. Medical examination and the results thereof

If declared unfit for work

[illegible]

HEALTH

L. Serial No. in the Register of such works: 311 69

3. Name of woman: SUSAN T. CHU

3. Size: 18.81C

† Processed under Rules 63 & 94 of the West Bengal Factories Rules 1950

[illegible]

Notes: 1. Values are given by treatment of internal wage
2. Experiments done in 1996 for new treatments.

REGISTER

No.

as amended with Notification No. 1183 LW-IR-1/91 dated 27th Nov. 1991.]

4. Date of birth: 02-05-1975

3. Medical examination and Her results (changed)

• If declined unit's fee work:

[illegible]

HEALTH

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[Notified under Rules 53 & 54 of the West Bengal Factories Rules 1950]

2. Name of worker: MANGI KUMAR

3. 500.1 5760.1

A. OVER		B. OVER		C. OVER		D. OVER		E. OVER		F. OVER		G. OVER		H. OVER		I. OVER		J. OVER		K. OVER		L. OVER		M. OVER		N. OVER		O. OVER		P. OVER		Q. OVER		R. OVER		S. OVER		T. OVER		U. OVER		V. OVER		W. OVER		X. OVER		Y. OVER		Z. OVER																																																	
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2. Page size should be made 24 inch maximum.

REGISTER

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as exempted under Notification No. 1183-LW-18-181 dated 27th Nov. 1991.

4. Date of birth: 11. 5. 1926.

3. Medical examination and the results thereof

It doesn't suit a fine work

[illegible]

HEALTH

[Prescribed under Rules 33 & 44 of the West Bengal Factories Rules 1950]

1. Sex = Male

[illegible]

NOTE.—System may result in increased or reduced weight.
A. Each unit should be used to full capacity.

REGISTER

20

as amended vide Notification No. 1182/199-20.3.91 dated 11th Nov. 1991.

8. Date of birth: 5-1-1973

5. Medical examinations and the results thereof

It does not matter how much

[illegible]

HEALTH

[Prescribed under Rules 53 & 54 of the West Bengal Factories Rules 1950]

[illegible]

REGISTER

284

as amended with Notification No. 1(3)-LW-10/191 dated 27th Nov, 1991.]

4. Date of birth: 22.01.1935

if declared, until the work


[illegible]

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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		
41	MAF-2 operation	Shashi Bhushan Gupta 31230	M	05/12 1970	Asst. Gen. Manager	19/06 2018	22.3.23	BE < 6 6	SAS	Fit
42	MAF-2 operation	Dusson das Kumar 31263	M	10/11 1992	Deputy Manager	12/07 2018	22.3.23	BE < 6 6	SAS	Fit
43	Refinishing (mechanical)	Rishi muni (hardhury) 30150	M	11/02 1991	Welder	09/02 2016	22.3.23	BE < 6 6	SAS	Fit
44	Organ Plant operation	Avadheh Kumar 31663	M	15/03 1985	SR Technician	13/02 2019	22.3.23	BE < 6 6	SAS	Fit
45	Organ Plant operation	Anil Kumar Das 32981	M	09/03 1979	Technician	26/07 2021	22.3.23	BE < 6 6	SAS	Fit

Dr.  22.3.23
 Regd. No. Dr. Sanjay Das
 MBBS - DLO
 (Ophthalmologist)
 Rgno - 42401
 Ophthalmologist Sign. of Seal

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	MSF-2 Operation	Kalipu Vinay 31194	M	17/07 1997	Asst Manager	28/05 2018	27.3.23	BE < 6	Sas	fit
32	MSF-2 Operation	Subhadip Layek 32507	M	08/01 1996	Engineer	08/09 2020	27.3.23	BE < 6	Sas	fit
38	Oxygen Plant Operation	Sanjay Kumar Singh 31943	M	05/05 1988	Asst Manager	10/07 2019	27.3.23	BE < 6	Sas	fit
39	Oxygen Plant Operation	Akshay Das 32677	M	09/05 1992	SR Engineer	24/12 2020	27.3.23	BE < 6	Sas	fit
40	Oxygen Plant Operation	Jalandhar Bagh 31659	M	28/06 1975	Field Operator	12/02 2019	27.3.23	BE < 6	Sas	fit

Dr.  2023
 Regd. No. 
 (Ophthalmologist)
 Rgno - 42401
 Ophthalmologist Sign. of Seal



Qualissure Laboratory Services

NABL ACCREDITED, WBPCB & ISO 9001:2015 CERTIFIED LABORATORY

361, Prantick Pally,
45/361, Bose Pukur Road,
Kolkata - 700107

Email : qualissure@gmail.com

Mob. No. : 9831287086

9830093976

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/P-31/22-23/C/14
M/s. Orissa Metaliks Pvt. Ltd.(Unit-II)	Date : 28.04.2023
Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Sample No. : QLS/P-31/22-23/14
	Sample Description : Slag
	Sample Mark : MBF Slag
	Date of Performance : 21.03.2023
	Sample Drawn On : 22.03.2023-27.03.2023
	Ref No. Date : 0222368533 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	0.74	250
2.	Lead (as Pb) in mg/l	EPA 3050 B	0.62	5.0
3.	Copper (as Cu) in mg/l	EPA 3050 B	0.42	25.0
4.	Cobalt (as Co) in mg/l	EPA 3050 B	0.27	80.0
5.	Nickel (as Ni) in mg/l	EPA 3050 B	0.83	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	0.47	5.0
9.	Manganese (as Mn) in mg/l	EPA 3050 B	0.93	10.0

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By



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