

Six Monthly (December-2023) Compliance Report for Period October 2023 to March 2024 for Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal

1 message

ORISSA METALIKS <orissametalikspvtltd@gmail.com>

Tue, May 21, 2024 at 7:39 PM

To: "roez.bsr-mef@nic.in" <roez.bsr-mef@nic.in>, iro.kolkata-mefcc@gov.in, ms@wbpcb.gov.in, Monitoring Cell <monitoring-ec@nic.in>

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

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2023 to March 2024 of EC no.- **J-11011/229/2007-I (A)-II (I)** dated 07.07.2021 and 16.03.2022 for Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal being operated by name of **M/s Orissa Metaliks Private Limited (Unit-II)**.

As per Environment Clearance, Special as well as General Condition wise status report along with monitoring data for the environmental parameters is enclosed for your kind perusal.

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

Hope you will find the same in order.

With warm Regards,

Authorised Signatory

With warm Regards,

BIJAYEN SRIVASTAVA

Manager- Environment & Pollution

M/s. Orissa Metaliks Private Limited

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


Tel : 91 33-22894255/ 56

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Mbl. No-07044070948

3 attachments

 MBF.pdf
72K

 OMPL-MBF EC_compliance-JUNE 2024_compressed.pdf
3881K

 View Compliance MBF.pdf
597K

Ref. OMPL-II/ENV COMPL /June-2024

Date: 21/05/2024

To,

a) Regional Office,

Ministry of Environment, Forests & Climate Change, Bhubaneswar
A/3 Chandrasekharpur,
Bhubaneswar – 751023, Odisha

b) Sub Office, Kolkata

Regional Office, Bhubaneswar,
Ministry of Environment, Forest and Climate Change,
IB-198, Sector-III, Salt Lake City,
Kolkata – 700 106

Sub. Six Monthly (June-2024) Compliance Report for Period October 2023 to March 2024 for Mini Blast Furnace (1 x 320 m³)-4,50,000 TPA with matching PCM and 200 TPD oxygen plant at Village Gokulpur, P.O-Shyamraipur, P.s- Kharagpur (Local) District West Medinipur, West Bengal.

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

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2023 to March 2024 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.

Here, we would like to inform that the last six monthly compliance report for the period April, 2023-September 2023 was submitted to concerned department vide mail & letter no- OMPL/ENV COMPL/December-2023 dated 28.11.2023 on parivesh portal vide Compliance ID: 27315005 dated 28.11.2023.

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 (Unit-II)**

Authorised Signatory

C.C.:-

1. **The Member Secretary**, West Bengal Pollution Control Board, Parivesh 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. Copy of Latest Online Stack Monitoring Report 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. CAAQMS monitoring data as Annexure-VI.

8. Effluent Water quality report as Annexure-VII.
9. Copy of Ambient & Work Noise Quality Monitoring Report Annexure-VIII.
10. OHS Report as Annexure-IX.
11. Copy of TCLP test of Slag as Annexure-X.



SIX MONTHLY COMPLIANCE REPORT (June-2024)

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 2023 to March 2024

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



from WBPCB.

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

Sr. No	Year	Period Up To	Submission Date
1	2016-2017	1 st Dec 2016	26.11.2016
		1 st June 2017	16.05.2017
2	2017-2018	1 st Dec 2017	01.12.2017
		1 st June 2018	01.06.2018
3	2018-2019	1 st Dec 2018	28.11.2018
		1 st June 2019	23.05.2019
4	2019-2020	1 st Dec 2019	14.11.2019
		1 st June 2020	29.05.2020
5	2020-2021	1 st Dec 2020	30.11.2020
		1 st June 2021	31.05.2021
6	2021-2022	1 st Dec 2021	01.12.2021
		1 st June 2022	26.05.2022
7	2022-2023	1 st Dec 2022	19.11.2022
		1 st June 2023	29.05.2023
8	2023-2024	1 st Dec 2023	28.11.2023
		1 st June 2024	---

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

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

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

Being Complied

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

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

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

Being Complied

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

- i. Adequate capacity Dust suppression system and bag filters are installed at conveyor and transfer points, product handling, loading and unloading points.
- ii. Fixed water sprinklers/ water gun installed in the critical areas like internal roads, plant area, railway siding and raw materials handling area for effectively controlling the fugitive emission.
- iii. Dedicated water spraying tanker is in use. Internal 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 2024 the emission levels are as follows:</p> <table border="1" data-bbox="803 730 1507 846"> <thead> <tr> <th>Parameter</th> <th>MBF & Oxygen Plant area</th> <th>Railway Siding</th> <th>Product House Area</th> </tr> </thead> <tbody> <tr> <td>SPM ($\mu\text{g}/\text{m}^3$)</td> <td>431</td> <td>250</td> <td>281</td> </tr> </tbody> </table> <p>The Fugitive Emission analysis reports are attached in as Annexure-IV.</p>	Parameter	MBF & Oxygen Plant area	Railway Siding	Product House Area	SPM ($\mu\text{g}/\text{m}^3$)	431	250	281
Parameter	MBF & Oxygen Plant area	Railway Siding	Product House Area							
SPM ($\mu\text{g}/\text{m}^3$)	431	250	281							

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

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.

S. No.	Particulars	Year (2023-24)	Year (2024-25)	Year (2025-26)
1	MBF Slag	1,56,000	1,48,200	1,48,000
2	MBF Dust & Sludge	1,71,000	1,70,000	1,70,000

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.

Being complied 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. 23.43 acres (33.0 % of 70 acres) and 0.66 acres (33.0 % of 2 acres land) are earmarked for greenbelt development. Green belt with 20 m width and density of 2500 per hectare along and around boundary of the site towards the highway already started. . In financial year 2023-24, from Oct. 2023 to March 2024 750 nos. of trees planted. Total Planation done in Fy 2023-24 is around 950 saplings were planted and the survival rate is 90 %. To maintain green belt development work dedicated manpower has been deployed. Detail of Green belt development and recent photograph is enclosed as **Annexure-V**.





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

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 implementation or the time.	Not applicable
	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:	MBF Slag Utilization The slag generated from the MBF plant is used for Cement Manufacturing in associate



			<ul style="list-style-type: none"> • By 2004 - 70% • By 2006 - 80% and • By 2007 - 100% 	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	<p>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.</p> <p>(Tar sludge, acid sludge, waste Lubricating oil and type fuel falls in the category of Hazardous waste).</p>	<p>Inventorization completed.</p> <p>Coal tar, Waste oils and cotton/jute waste containing oil are sold to WBPCB authorized vendors/parties</p> <p>The annual return (FORM-IV) for the financial year (2022-2023) in prescribed format submitted on Online Consent Management & Monitoring System portal to WBPCB vides Return no-3919298 dated 30.06.2023.</p>
		5	Water Conservation/ Water Pollution	
		A	To reduce specific water consumption to 5 m ³ /t for long products and 8 m ³ /t for flat products by December 2005.	The average water consumption is within the prescribed limit.
		B	To operate the Co-BP effluent treatment plant efficiently to achieve the notified effluent discharge 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.	<p>The company has Successfully installed online Stack monitoring system in, MBF Plants as per CPCB Guideline.</p> <p>04 Nos. CAAQMS & 01 no manual Ambient Monitoring System is installed for monitoring the ambient air quality covering 360 degree.</p>
		7	To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate	Compliance reported is being submitted to the WBPCB and quarterly monitoring of the stacks is being done by WBPCB.



			effect. Compliance report in this regard is submitted to CPCB/SPCB every three months.	
		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 the abandoned mines, to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.	The slag generated from the MBF plant is used for Cement Manufacturing in associate company (M/s Rashmi Cement Limited, Jhargram & M/s Orissa Metallurgical Industry Pvt. Ltd. (Formerly Bansal Cement Pvt. Ltd.), Kharagpur
		F	Processing of the waste containing flux & ferrous wastes through waste recycling plant.	The slag generated from the MBF plant is used for Cement Manufacturing in associate company
		G	To implement rainwater harvesting	OMPL-II have 02 nos. rain water harvesting ponds of capacity 30,000 KL (each) in plant premises and harvested water is being used in dust suppression, green belt development etc.
		H	Reduction Green House Gases by:	
		I	Reduction in power consumption	Use of recuperator to utilised sensible heat of waste gas for preheating the combustion air from atmospheric temperature to 250 degree centigrade.
		II	Use of by-products gases for power	The waste gas at around 150 degree centigrade is used for drying the coke..



			generation	
			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.	<p>Action taken by company for improvement of housekeeping and controlling emission are:</p> <ul style="list-style-type: none"> a) Dedicated water spraying tankers are in use. b) Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased from 02 times a days to 04 times a day. c) Dedicated street swiping machine also in use in plant. d) Water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. e) Movable Water mist fog system has been installed and in used in order to reduce the fugitive dust. f) Engaged more numbers of dedicated Housekeeping team with proper training and equipment.



				<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> <p>As per rebuilding schedule submitted to CPCE/MoEF.</p>	Not Applicable
xi)	All the slag generated from the blast furnace should be granulated and used in cement plants.			<p>Being Complied.</p> <p>Slag generated from MBF is used for Cement Manufacturing in associate company (M/s Rashmi Cement Limited, Jhargram & M/s Orissa Metallurgical Industry Pvt. Ltd. (Formerly Bansal Cement Pvt. Ltd.), Kharagpur.</p>
xii)	Adequate air pollution control measures as noted in Environment plan need be complied.			<p>Being Complied</p> <ul style="list-style-type: none"> Existing MBF is equipped with cyclone separator, bag filters, and de dusting system. Bag houses are design to meet the standard below prescribed limit. Dust extraction system comprising of Dedusting System including pulse jet bag filters is provided to the blast furnace stock house, bag filters is provided at the transfer points to control fugitive emissions and dust suppression system is provided to control dust from raw material handling and storage area.




xiii)	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline	Will be Complied Company has got water withdrawal permission of surface water from State Water Investigation Directorate (SWID), West Bengal from Kansai River. Laying of pipeline from River Kansabati to the industry is completed and water extraction from 02 no. of bore wells on Kasai River bed is already started. Scheme for integrated water distribution networks between industrial units of the Group with respect to surface water drawal from Kansabati river is already submitted vide letter OMPL/ENV COMPL/June-2021 dated 27.05.2021.						
xiv)	Emission level from Bag filter and ESP shall be 30 mg/Nm ³ .	Stack monitoring is carried out on regular basis by W.B.P.C.B/ NABL authorized laboratories. Latest Analysis report & OCEMS data is already attached as Annexure -II & III .						
xv)	Zero liquid discharge shall be adopted	Being Complied Plant is designed as a Zero Discharge plant. Water is mainly used for cooling purpose & slag granulation. After evaporation loss the quantum of remaining water is sent to the cooling tower in order to reuse the water again. Blow down water from cooling tower is used for dust suppression. No water is discharged outside the plant premises. Effluent generated from slag granulation is treated in primary ETP and is reused in process, for dust suppression & green belt development.						
xvi)	100% waste utilization shall be followed.	Being Complied. TCLP slag analysis report is attached as Annexure-X <table border="1" data-bbox="841 1108 1523 1306"> <thead> <tr> <th>Particulars</th> <th>Disposal Scheme</th> </tr> </thead> <tbody> <tr> <td>MBF Slag</td> <td>Used in Cement Plant of associate company, Cement Manufacturing</td> </tr> <tr> <td>GCP Dust & Sludge</td> <td>Used in Sinter Plant of associate company and also for Brick Manufacturing, Land levelling</td> </tr> </tbody> </table>	Particulars	Disposal Scheme	MBF Slag	Used in Cement Plant of associate company, Cement Manufacturing	GCP Dust & Sludge	Used in Sinter Plant of associate company and also for Brick Manufacturing, Land levelling
Particulars	Disposal Scheme							
MBF Slag	Used in Cement Plant of associate company, Cement Manufacturing							
GCP Dust & Sludge	Used in Sinter Plant of associate company and also for Brick Manufacturing, Land levelling							
xvii)	Green belt shall cover 33% of the total area in the plant site.	Being Complied The detail is already mentioned against point no-ix .						
No.	General Conditions :	Compliance Status						
i)	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	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	Complied						



	<p>load/mass-based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.</p>	<p>All the necessary measures have been adopted by management of OMPL-II for preventing the gaseous emission on priority basis. The load mass-based standards for the financial year 2022-23 is calculated and submitted with environmental statement in prescribed format to WBPCB vide letter no. OMPL-II/ENV_Statement/2023-24 dated 26.09.2023.</p>
<p>iv)</p>	<p>At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, SO₂, and NO_x are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.</p>	<p style="text-align: center;">Being Complied</p> <p>As stated in point no-I of specific condition, after taking into consideration the interest and financial share cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB.</p> <p>Data on ambient air quality and stack emission is regularly submitted to this Ministry including its Integrated Regional Office, Kolkata and the WBPCB & CPCB. Last report submitted with six monthly compliance report -OMPL/ENV COMPL/December-2023 dated 28.11.2023. CAAQMS report from all the stations are attached in as Annexure No. – VI.</p>
<p>v)</p>	<p>Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.</p>	<p style="text-align: center;">Being Complied</p> <p>The plant is designed as Zero Discharge Plant. Water in MBF plant is used for cooling purpose and Slag granulation and is recycled back in process after primary treatment. Domestic waste water is treated in STP of adequate capacity. Effluent report is enclosed as Annexure-VII.</p> <div data-bbox="711 1056 1479 1549" style="text-align: center;"> </div>
<p>vi)</p>	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods. Silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night-time).</p>	<p style="text-align: center;">Being Complied</p> <p>Ambient & Work Zone Noise Monitoring Analysis (inside the plant in different units) is done by MoEF&CC, New Delhi /NABL accredited Laboratories.</p> <p>Noise levels have been monitored at six locations viz. Plant Main Gate, Rajpura Village, Truck Parking, Railway Siding and Near MBF & PCM Plant Area, Near Oxygen Plant 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:</p>



		<table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th colspan="2">Near Plant Main Gate</th> <th colspan="2">Rajpura Village</th> <th colspan="2">Truck Parking</th> </tr> <tr> <th>Day</th> <th>Night</th> <th>Day</th> <th>Night</th> <th>Day</th> <th>Night</th> </tr> </thead> <tbody> <tr> <td>Leq (dBA)</td> <td>57.4</td> <td>49.2</td> <td>54.6</td> <td>44.5</td> <td>58.9</td> <td>48.1</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th>Railway Siding</th> <th>Near MBF & PCM Area</th> <th>Near Oxygen Plant</th> </tr> <tr> <th colspan="3">SOURCE</th> </tr> <tr> <td></td> <th>Avg.</th> <th>Avg.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>Leq (dBA)</td> <td>56.7</td> <td>55.00</td> <td>56.2</td> </tr> </tbody> </table> <p>The Ambient & Work Zone Noise quality monitoring reports are enclosed as Annexure - VIII.</p>	Parameter	Near Plant Main Gate		Rajpura Village		Truck Parking		Day	Night	Day	Night	Day	Night	Leq (dBA)	57.4	49.2	54.6	44.5	58.9	48.1	Parameter	Railway Siding	Near MBF & PCM Area	Near Oxygen Plant	SOURCE				Avg.	Avg.	Avg.	Leq (dBA)	56.7	55.00	56.2
Parameter	Near Plant Main Gate			Rajpura Village		Truck Parking																															
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	SOURCE																																				
	Avg.	Avg.	Avg.																																		
Leq (dBA)	56.7	55.00	56.2																																		
vii)	Occupational health surveillance of then workers shall be done on a regular basis and records maintained as per the Factories Act.	<p>Being Complied With</p> <p>Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948. Company is ISO 45001:2018 certified.</p> <p>The OHS record is being enclosed as Annexure-IX.</p>																																			
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.	<p>Complied</p> <p>Orissa Metaliks (P) Limited Unit-II has developed 02 nos..)rain water harvesting ponds 30,000 KL (each) in plant premises and harvested water are being used in dust suppression, greenbelt development.</p>  <p>PHOTOGRAPH OF RAIN-WATER HARVESTING</p>																																			
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.	<p>Being Complied</p> <p>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.</p> <p>In financial year 2023-24, OMPL company has spent Rs. 7,000,00 under the head of CSR/CER. The recent CSR/CER photograph are:</p>																																			





WOMAN EMPOWERMENT"- "T-SHIRT DISTRIBUTION ON KANYASHREE DIVAS BY HON'BLE DM, PASCHIM MEDINIPUR2023

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

Being Complied

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

Recurring Cost Incurred on Environmental Safeguard for OMPL-II plant			
Year	Particulars	Narration	Amount
In Fy. 2023-2024 (October to March)	Green Belt Development	Maintenance, labour cost, etc.	3,75,000.00
	House Keeping & Solid/H.Z Waste Management System	Labour charges, Drainage Cleaning and other materials	3,20,000.00
	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	2,15,000.00
	O.H. Management & Safety Plan	Occupational Health Management, Risk Mitigation & Safety Plan	1,45,000.00
	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	1,35,00,000.00
TOTAL			1,45,55,000.00

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.

Complied

Copies of EC dated 07.07.2021 w.r.t amendment in EC were submitted to DM, Paschim Medinipur vide letter dated 20.07.2021 and EC copy also uploaded on the website of the company <http://orissametaliks.com/qehs.html>.

Copy of intimation letter submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-II/ENV_COMPL/December-2022 dated 19.11.2022.

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

Being Complied

Monitoring of criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters is done by NABL/ MOEF accredited laboratory. Emission levels of pollutants of different units is displayed on board maintained as per CPCB format issued vide File no-B-29016 NGT/C-10/2020/ WM II/Div./ Dated 20th January 2020 outside the main gate of the plant for disclosure to the



Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely PM₁₀, SO₂, NO_x (ambient levels as well as well as stack emissions) or critical sectorial parameters indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

public and also uploaded on the website of the company <https://www.rashmigroup.com/ehs/>.



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.

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

Sr. No	Year	Period Up To	Submission Date
1	2016-2017	1 st Dec 2016	26.11.2016
		1 st June 2017	16.05.2017
2	2017-2018	1 st Dec 2017	01.12.2017
		1 st June 2018	01.06.2018
3	2018-2019	1 st Dec 2018	28.11.2018
		1 st June 2019	23.05.2019
4	2019-2020	1 st Dec 2019	14.11.2019
		1 st June 2020	29.05.2020
5	2020-2021	1 st Dec 2020	30.11.2020
		1 st June 2021	31.05.2021
6	2021-2022	1 st Dec 2021	01.12.2021
		1 st June 2022	26.05.2022
7	2022-2023	1 st Dec 2022	19.11.2022
		1 st June 2023	29.05.2023
8	2023-2024	1 st Dec 2023	28.11.2023
		1 st June 2024	---

xiv) The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.

Complied
All the necessary measures have been adopted by management of OMPL for preventing the gaseous emission on priority basis. The environmental statement in prescribed format for the financial year 2022-23 is submitted to WBPCB vide letter no. OMPL (UNIT-II)/ENV_Statement/2023-2024 dated 26.09.2023 and also uploaded on the website of the company <http://orissametaliks.com/qehs.html>.



xv)	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwards to the Regional office at Bhubaneswar.	Complied Advertisement within seven days from the date of issue of the Environment clearance amendment & part transfer in two local newspapers that are widely circulated in the region are made. The details are: <ul style="list-style-type: none"> • Aajkal (Bengali Version) dated 10.07.2021 • Echo of India (English version) dated 10.07.2021 Copy of the advertisement is already submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-II/ENV_COMPL/June-2022 dated 01.12.2021.
xvi)	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted Company is a private company and no finance is needed from outside.
xvii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xviii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed
xix)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Green Tribunal Act, 1977.	Noted
xx)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	Noted
F. No. IA3-22/8/2021-IA.III [E 150512] dated 18.07.2022		
I)	Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).	In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment , banner and flex are displayed at suitable place like work place, canteen, parking area etc.



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 .	<p style="text-align: center;">Being Complied</p> <p>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.</p> <p>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.</p>
ii)	The pollution load after expansion shall not exceed the existing pollution load as submitted on Parivesh Portal.	Agreed and being complied with





TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/16
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/16
	Sample Description	: Ambient Air
	Date of performance	: 02.04.2024-05.04.2024
Ref No. Date	: O224379375 Dated. 20.02.2024	

Analysis Result

Location : Rajpura Village		Date of sampling : 31.03.2024		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m ³	53	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	27	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.5	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	23.7	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	481	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:

Bankar

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.



TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/15
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/15
	Sample Description	: Ambient Air
	Date of performance	: 02.04.2024-05.04.2024
	Ref No. Date	: O224379375 Dated. 20.02.2024

Analysis Result

Location : Near Plant Main Gate		Date of sampling : 31.03.2024		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10 μ m) in μ g/m ³	75	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5 μ m) in μ g/m ³	40	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in μ g/m ³	6.8	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in μ g/m ³	24.6	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in μ g/m ³	549	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:

Banikatz

for Qualissure Laboratory Services
Reviewed & Authorized By

Banikatz
Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal	Report No.	: QLS/P-31/23-24/C/17
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/17
	Sample Description	: Ambient Air
	Date of performance	: 02.04.2024-05.04.2024
	Ref No. Date	: O224379375 Dated. 20.02.2024

Analysis Result

Location : Gokulpur Village		Date of sampling : 31.03.2024		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m ³	58	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	25	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.1	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	22.4	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	481	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:

Banikar

for Qualissure Laboratory Services
Reviewed & Authorized By

Banikar
Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/18
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/18
	Sample Description	: Ambient Air
	Date of performance	: 03.04.2024-05.04.2024
Ref No. Date	: O224379375 Dated. 20.02.2024	

Analysis Result

Location : Dhekia Village		Date of sampling : 31.03.2024		
Sampling Done by: C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m ³	65	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	38	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.6	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	24.0	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	492	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
Benimadhab Gorai, Chemist
(Authorized Signatory)

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ONLINE CONTINUOUS EMISSION MONITORING STATIONS (Period- 1st October 2023 to 31st March 2024)

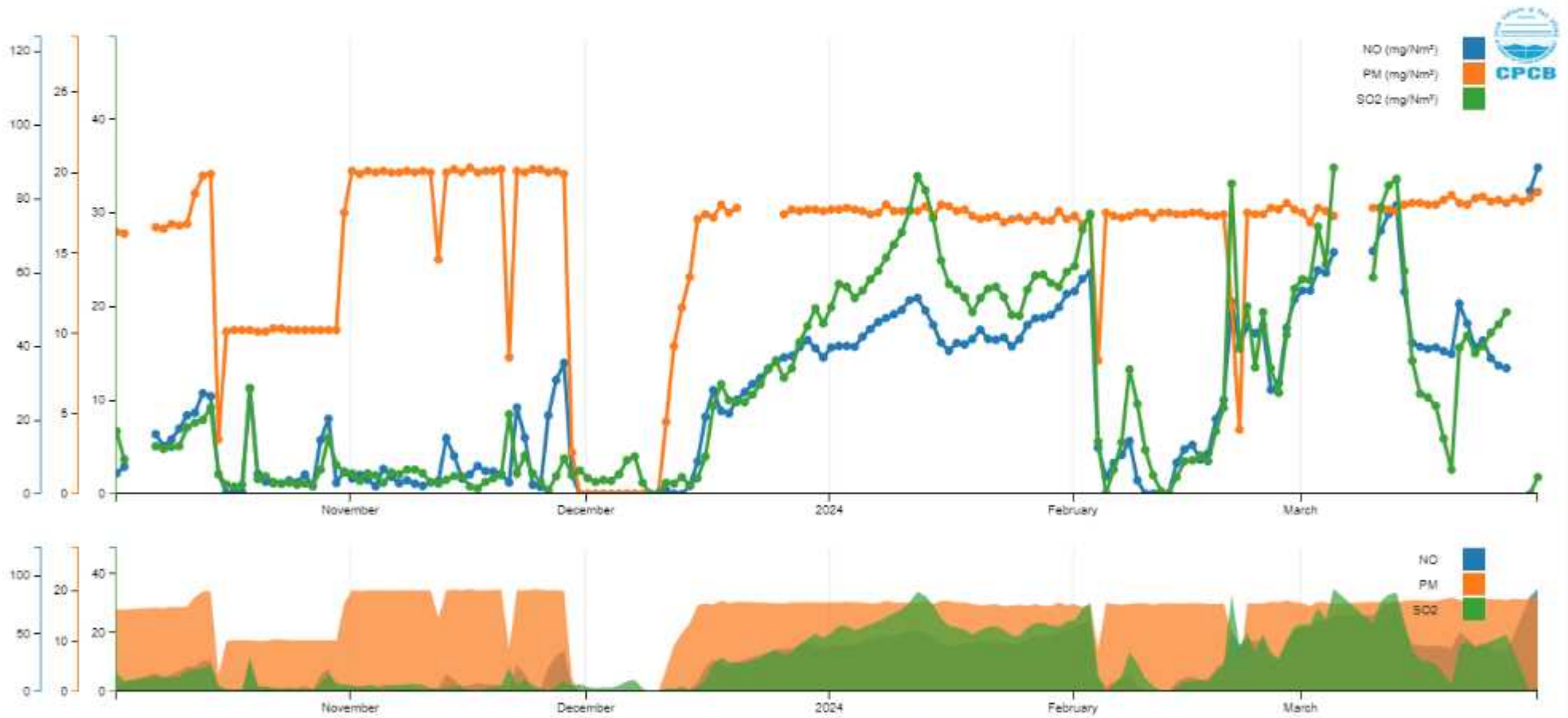
ORISSA METALIKS PRIVATE LIMITED UNIT-II (Previously Known as Rashmi Metaliks Limited) STACK_3_BLAST_FURNACE_HEATING_STOVES

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

Start Date - 2023-10-01

End Date - 2024-03-31

Average - daily





WEST BENGAL POLLUTION CONTROL BOARD

Haldia Regional Laboratory
Raghunathchak, P O -Barghasipur P S -Shabanipur
Haldia, Purba Medinipur - 721 657
Tel (03224) 2 91292

Analysis Report of Gaseous Emission

Sample ID : 190720230188

1. Name of Industry	: M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)
2. Address	: NH-6, Vill-Gokulpur, PO- Shyamraipur, PS- Kharagpur (Local), Paschim Medinipur
3. Category & Type	: Red & MBF Plant
4. Sampling Date	: 18/07/2023
5. Sampled collected by	: N. C. Barai (AEE), HRO
6. Thimble Number	: 543
7. Name of WBPCB Recognized Laboratory	: M/s. Enviro Cell Laboratory
8. Duration of Sampling	: 30 min
9. Height of Stack from ground (m)	: 45.0
10. Cross section of stack at sampling point (m ²)	: 4.5216
11. Stack connected to	: Mini Blast Furnace
12. Emission source (Furnace / Boiler)	: Combustion B.F. Gas
13. Average operational hours of boiler/furnace (per month)	: 720 hrs./month
14. APC System (if any)	: Gas Cleaning Plant
15. Working load of source (MT/hr.)	: 1200 TPD
16. Fuel used	: BF Gas
17. Rated Fuel consumption (Kg or L/hr.)	: -
18. Working Fuel consumption (Kg or L/hr.)	: 44000 Nm ³ /hr
19. Nature of Furnace / Boiler	: MBF
20. Flue Gas Temp (°C)	: 285.0
21. Flue gas velocity (m/sec)	: 12.50
22. Volume of Flue gas drawn in lit (m ³)	: 1.02
23. Corrected flue gas volume (Nm ³)	: 0.9517
24. Percentage CO ₂ and or O ₂	: CO ₂ -11.0% and O ₂ - 8.4%
25. To be compensated at (% if required)	: -
26. Initial weight of Thimble (g)	: 1.3651
27. Final weight of Thimble (g)	: 1.3801
28. Weight of Particulate Matter (mg)	: 15.00
29. Particulate Matter (mg/Nm ³)	: 15.76
30. Barometric Pressure Head in mm of Hg	: 755 mm of Hg
31. Diameter of the nozzle (mm)	: 9.53 mm
32. Others	: -

Date of Reporting : 01/08/2023

Scientist

Senior Scientist

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



TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/19
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/19-24
	Date of Performance	: 02.04.2024-05.04.2024
	Sample Description	: Fugitive Air
	Ref No. Date	: O224379375 Dated. 20.02.2024

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 $\mu\text{g}/\text{m}^3$
19	Pellet Plant Area I & II	31.03.2024	310
20	MBF & Oxygen Plant area	31.03.2024	431
21	Railway Siding	31.03.2024	250
22	Iron or Beneficiation Area	31.03.2024	385
23	Product House	31.03.2024	281
24	Pellet Plant Area III & IV	31.03.2024	252
NOTE: Fugitive emission Standard - 2000 $\mu\text{g}/\text{m}^3$			

Report Prepared By:

Bachan

for Qualissure Laboratory Services
 Reviewed & Authorized By

Bachan
 Benimadhab Gorai, Chemist
 (Authorized Signatory)

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

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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
4 a	Species (trees/shrubs/grasses/climbers)	Not Applicable
4 b	Major prevalent species of each type	Not Applicable
5	Land coverage by the project	
5 a	Total area under the project	70.0 Acres + 2.0 Acres
5 b	Area covered for basic infrastructure (roads/building/factory etc.)	46.57 Acres
6	Details about natural vegetation	Vacant Land
6 a	Name and number of tree/ species felled	Not Applicable
6 b	Name and number of plant species still available in the area	Not Applicable
6 c	By protecting the area will indigenous stock come up	Not Applicable
6 d	Extent of greenbelt developed	(33.0 % of 70 acres) and 0.66 acres (33.0 % of 2 acres land)
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												
Details of plantations																
8	a	Plantation details (category wise & methodology used)	Year of plantation		Species Planted	Quantity										
			2023-2024(October-March)		BOKUL	100										
					ARECA PALM	110										
					NEEM	60										
					CONOCARPAS	200										
					AKASMONI	180										
					KANCHAN	70										
					KARANJA	30										
					KELENDRA	25										
					GULMOHOR	65										
CHHATIM	50															
				RADHACHURA	60											
Survival of plantation		Before 2019	2019-2021	2021-2022	2022-2023	2023-2024										
- Total Seedling/ Plantation (No.)		14250	20,000	3,000	8558	950										
- Survival Trees (No) as on date from date of EC		7825	17,400	2,640	7,581	853										
- Survival		55%	87%	88%	89%	90%										
9	Agency carrying out plantation and maintenance		Our own horticulture department & third party													
10	Financial details (year wise) plantation wise and item wise		<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Year</th> <th>Funds allocated (Rupees)</th> <th colspan="2">Expenditure made including voluntarily tree plantation cost (Rupees)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2023 - 24</td> <td>90,000</td> <td colspan="2">490000</td> </tr> </tbody> </table>				Sl. No.	Year	Funds allocated (Rupees)	Expenditure made including voluntarily tree plantation cost (Rupees)		1	2023 - 24	90,000	490000	
Sl. No.	Year	Funds allocated (Rupees)	Expenditure made including voluntarily tree plantation cost (Rupees)													
1	2023 - 24	90,000	490000													



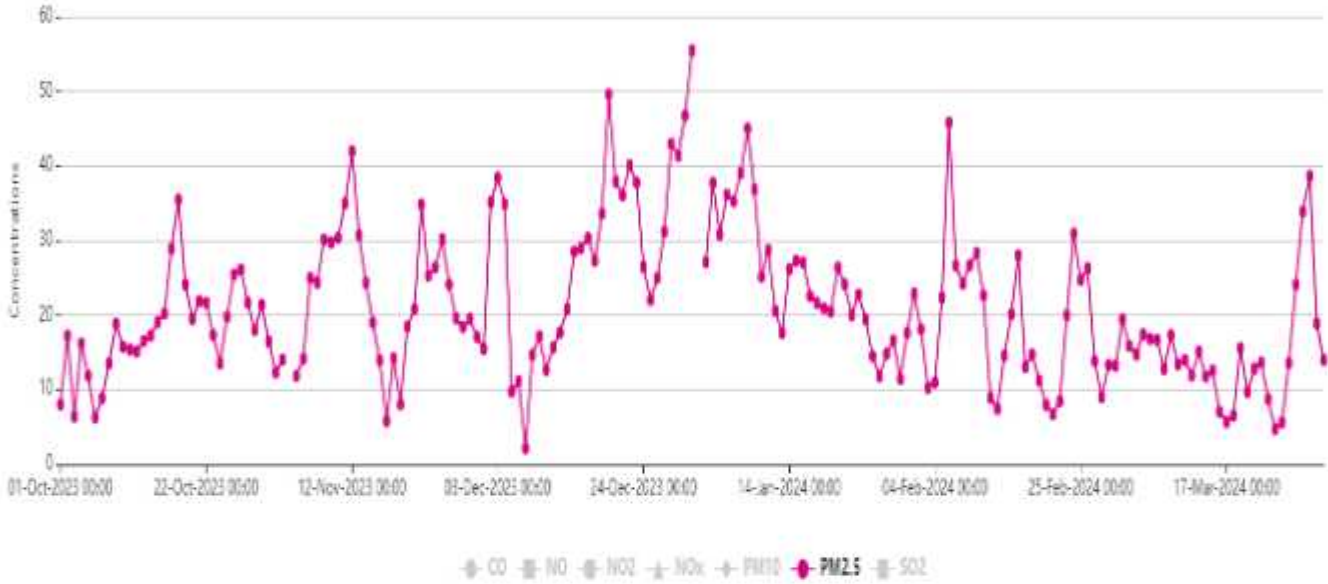
PHOTOGRAPHS OF THE GREENBELT DEVELOPED

ANNEXURE-VI

CAAQMS DATA (OCOBER 2023 to MARCH 2024)

LOCATION : KALYANPUR VILLAGE

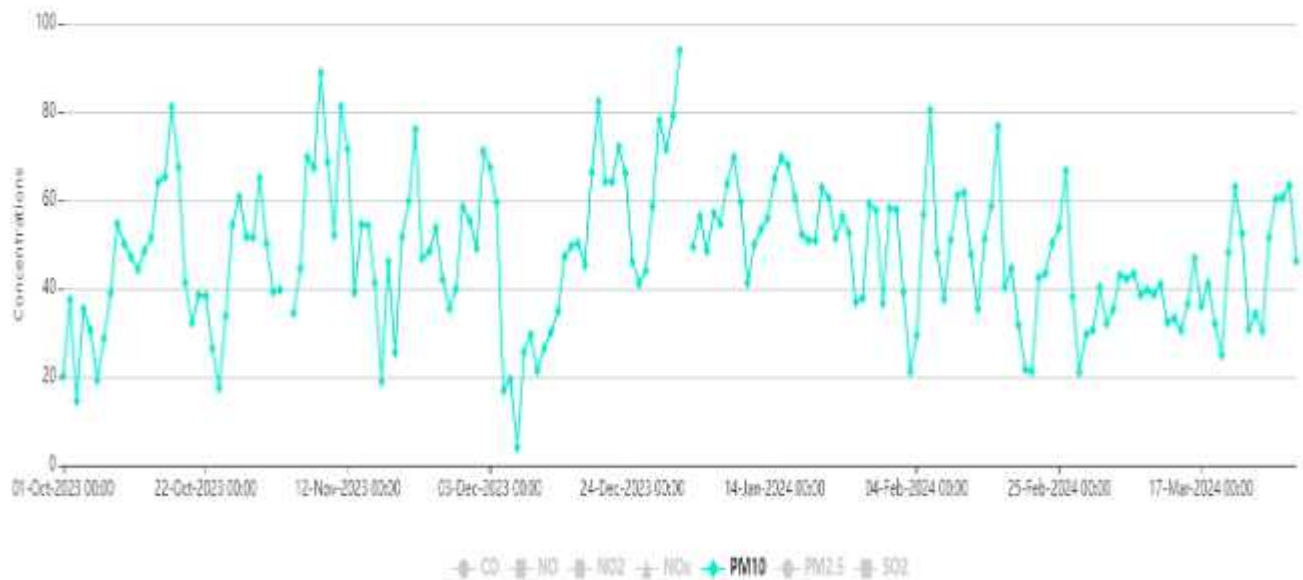
Parameters : PM 2.5



16

LOCATION : KALYANPUR VILLAGE

Parameters : PM 10



16

LOCATION : KALYANPUR VILLAGE

Parameters : SO2



LOCATION : KALYANPUR VILLAGE

Parameters : NOx



LOCATION : RAJOGRAM

Parameters : PM2.5



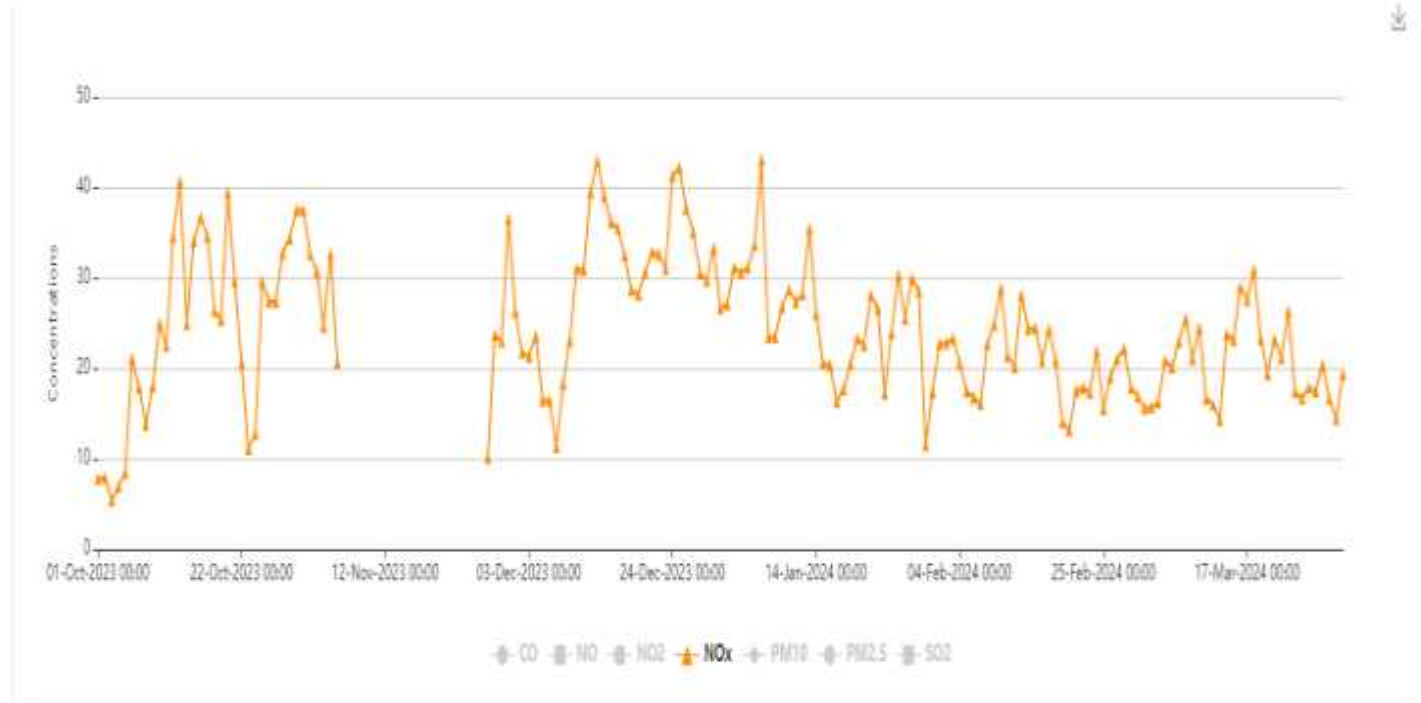
LOCATION : RAJOGRAM

Parameters : SO2



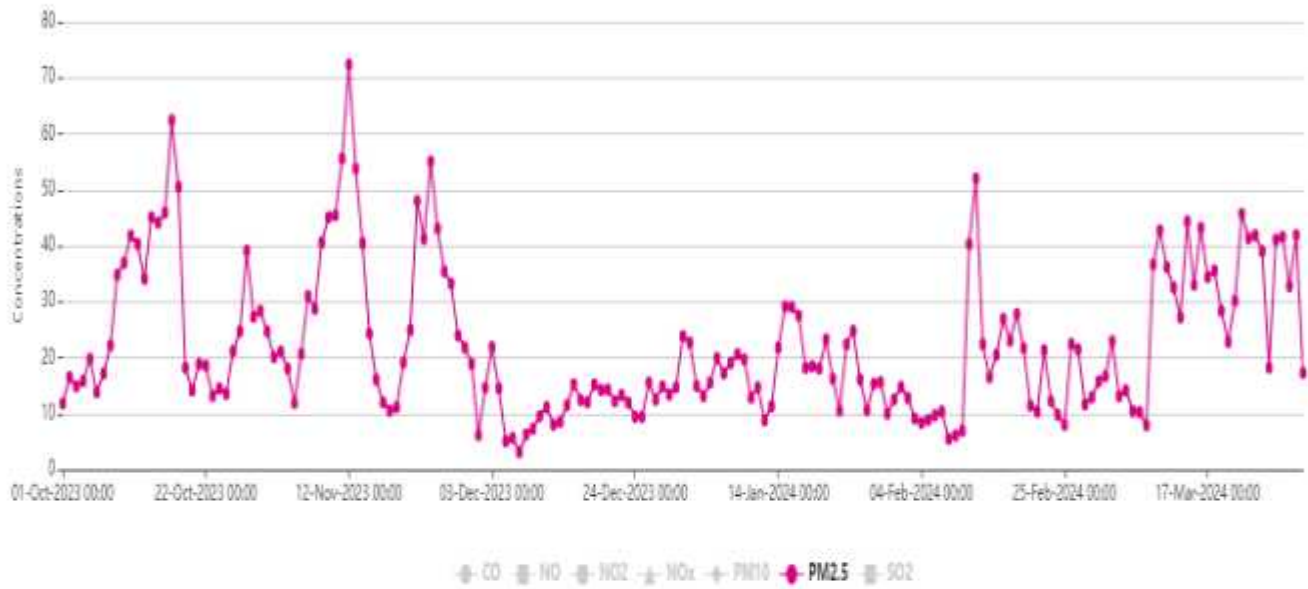
LOCATION : RAJOGRAM

Parameters : NOx



LOCATION : BARKOLA

Parameters : PM2.5



LOCATION : BARKOLA

Parameters : SO2



LOCATION : BARKOLA

Parameters : NOx



LOCATION : BARKOLA

Parameters : CO



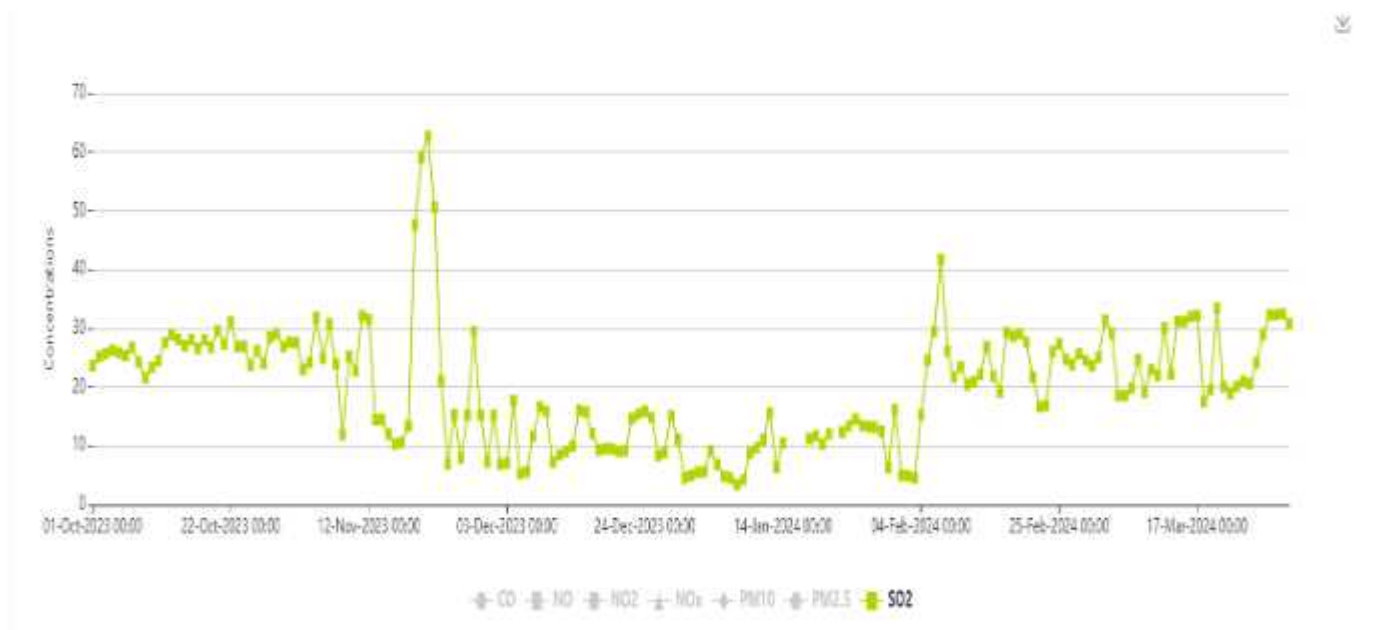
LOCATION : PANCHRULIA

Parameters : PM 2.5



LOCATION : PANCHRULIA

Parameters : SO2



LOCATION : PANCHRULIA

Parameters : NOx

10



LOCATION : PANCHRULIA

Parameters : CO

10





TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: VIII- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/29
	Date	: 25.04.2024
	Sample No.	: QLS/P-31/23-24/29
	Sample Description	: Effluent
	Sample Mark	: STP Outlet
	Sample Drawn On	: 31.03.2024
	Date of Performance	: 02.04.2024-10.04.2024
Ref No. Date	: O224379375 Dated. 20.02.2024	

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1.	pH at 25 ^o C	APHA 24 th Edition-2023, 4500 H+	7.54	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid (as TSS) in mg/l	APHA 24 th Edition-2023, 2540 D	18	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	58	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	14	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520 B	<1.4	10	20

Report Prepared By:

for Qualissure Laboratory Services
 Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
 (Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/25B
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/25B
	Date Of Performance	: 02-05.04.2024
	Sample Description	: Noise Monitoring
	Ref No. Date	: O224379375 Dated. 20.02.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Near MBF & PCM Area			
Date of Monitoring : 31.03.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	54.2	51.5	52.8
07.00-08.00	64.8	52.0	56.9
08.00-09.00	64.2	54.4	57.1
09.00-10.00	55.4	54.7	55.1
10.00-11.00	57.3	55.0	56.4
11.00-12.00	58.2	56.5	57.4
12.00-13.00	65.9	53.2	59.0
13.00-14.00	62.3	59.5	61.2
14.00-15.00	62.3	55.9	59.6
15.00-16.00	59.8	52.4	56.9
16.00-17.00	62.3	51.2	56.4
17.00-18.00	62.3	53.0	58.2
18.00-19.00	63.5	51.2	58.4
19.00-20.00	62.1	52.3	57.6
20.00-21.00	61.5	55.2	59.9
21.00-22.00	58.4	51.3	56.5
22.00-23.00	57.7	50.2	55.7
23.00-00.00	54.2	51.2	53.3
00.00-01.00	52.4	50.2	51.6
01.00-02.00	50.2	49.8	50.1
02.00-03.00	50.3	48.0	49.6
03.00-04.00	52.3	47.0	48.5
04.00-05.00	51.0	44.2	46.8
05.00-06.00	50.2	44.3	46.5

Leq dB Day Time	Leq dB Night Time	Average dB
59.0	50.3	55.0

Report Prepared By:

Rankar

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai
 Benimadhab Gorai, Chemist
 (Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: VIII- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/25C
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/25C
	Date Of Performance	: 02-05.04.2024
	Sample Description	: Noise Monitoring
	Ref No. Date	: O224379375 Dated. 20.02.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Near Railway Siding			
Date of Monitoring : 31.03.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	60.6	50.2	56.0
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	62.3	54.8	58.5
11.00-12.00	62.3	50.2	56.3
12.00-13.00	64.7	52.3	59.8
13.00-14.00	64.8	56.8	60.7
14.00-15.00	59.2	51.8	54.9
15.00-16.00	59.8	54.8	57.3
16.00-17.00	61.5	50.2	53.8
17.00-18.00	54.2	52.3	53.3
18.00-19.00	63.6	53.5	58.4
19.00-20.00	61.2	54.3	57.4
20.00-21.00	57.5	54.3	55.9
21.00-22.00	62.3	50.2	55.0
22.00-23.00	63.5	51.2	55.6
23.00-00.00	64.3	50.2	57.8
00.00-01.00	60.3	48.9	54.3
01.00-02.00	59.8	49.8	55.8
02.00-03.00	58.9	48.7	53.4
03.00-04.00	59.8	47.8	53.5
04.00-05.00	58.2	48.9	52.1
05.00-06.00	58.5	46.8	52.8

Leq dB Day Time	Leq dB Night Time	Average dB
59.7	57.0	56.7

Report Prepared By:

Roukate

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

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	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/25D
	Date Of Performance	: 02-05.04.2024
	Sample Description	: Noise Monitoring
	Ref No. Date	: O224379375 Dated. 20.02.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Near Oxygen Plant			
Date of Monitoring : 31.03.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
06.00-07.00	62.6	55.3	59.8
07.00-08.00	64.2	58.6	61.9
08.00-09.00	65.1	60.3	63.0
09.00-10.00	64.6	60.2	62.9
10.00-11.00	66.5	52.3	60.2
11.00-12.00	61.3	56.2	59.5
12.00-13.00	62.3	52.3	59.4
13.00-14.00	61.2	54.2	59.0
14.00-15.00	59.2	51.8	54.9
15.00-16.00	59.8	54.8	57.3
16.00-17.00	65.8	50.2	57.2
17.00-18.00	54.2	52.3	53.3
18.00-19.00	64.8	59.8	62.6
19.00-20.00	60.2	52.3	56.0
20.00-21.00	57.5	54.3	55.9
21.00-22.00	60.2	51.2	54.7
22.00-23.00	61.0	50.2	54.8
23.00-00.00	54.2	48.5	51.6
00.00-01.00	54.7	49.5	51.7
01.00-02.00	51.2	49.8	50.6
02.00-03.00	56.2	48.9	51.4
03.00-04.00	54.2	47.8	50.5
04.00-05.00	53.2	49.8	51.4
05.00-06.00	52.3	47.8	50.7

Leq dB Day Time	Leq dB Night Time	Average dB
60.3	51.6	56.2

Report Prepared By:

Boulant

for Qualissure Laboratory Services
 Reviewed & Authorized By

Benimadhab Gorai, Chemist
 (Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-31/23-24/C/26
	Date	: 13.04.2024
	Sample No.	: QLS/P-31/23-24/26(A-C)
	Sample Description	: Noise
	Date of performance	: 02.04.2024-05.04.2024
	Ref No. Date	: 0222368533 Dated. 27.09.2022

Monitoring Result of Noise

Sampling Done By: C.Sahoo				
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)				
Sample No.	Date of Monitoring	Location	Leq dB Day Time	Leq dB Night Time
26A	31.03.2024	Near Plant Main Gate	57.4	49.2
26B		Truck Parking Area	58.9	48.1
26C		Rajpura Village	54.6	44.5

Report Prepared By:

Balkar

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai
Benimadhab Gorai, Chemist
(Authorized Signatory)

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FORM NO. 17

HEALTH

1. Serial No. in the Register of such worker: 31889. [Prescribed under Rules 43 & 84 of the West Bengal Factories Rules 1950]
 2. Name of worker: TANNAM SRINIVAS
 3. Sex: Male

Department	Name of the person	Designation	Class of job	Age	Date of birth	Date of last medical examination	Remarks
Electrical	SR	Technician		26	03-17		
Asst. Plant	SR	Operator		26	03-17		
Asst. Plant	SR	Operator		26	03-17		

REGISTER

as amended vide Notification No. 1113-LW/18-1/54 dated 25th Nov. 1951
 4. Date of birth: 11.03.1929
 5. Medical examination and the results thereof

Registration No.	Sex	Class of job	Remarks for work	Date of last medical examination	Date of issue of certificate	Signature of the Medical Officer
125102	Male	Electrical	Fit			[Signature]
125103	Male	Asst. Plant	Fit			[Signature]
125104	Male	Asst. Plant	Fit			[Signature]

1. Return must be submitted to the Medical Officer.
 2. Form must be kept for medical examination.

FORM NO. 17

HEALTH

- 1. Serial No. in the Register of adult worker: 21237
- 2. Name of worker: PARISH KUMAR
- 3. Sex: MALE

[Prescribed under Rules 43 & 44 of the West Bengal Factories Rules 1950]

Sl. No.	Name of the worker	Sex	Date of birth	Height in centimetres	Weight in kilograms	Area of chest in centimetres	Area of heart in centimetres	Area of lungs in centimetres	Area of abdomen in centimetres	Area of pelvis in centimetres
1	PARISH KUMAR	MALE	21.4.18							
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
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19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

REGISTER

- 1. Date of birth: 1.1.1918
- 2. Medical examination and the results thereof

No.	Name of the worker	Sex	Date of birth	Height in centimetres	Weight in kilograms	Area of chest in centimetres	Area of heart in centimetres	Area of lungs in centimetres	Area of abdomen in centimetres	Area of pelvis in centimetres	Remarks
1	PARISH KUMAR	MALE	1.1.1918								Fit.
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
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26											
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28											
29											
30											

Form No. 17 - Register of adult workers in factories and establishments in West Bengal. It is to be filled up by the employer and submitted to the Inspector of Factories and Establishments. It is to be kept in the factory or establishment.

Form No. 17 - Register of adult workers in factories and establishments in West Bengal. It is to be filled up by the employer and submitted to the Inspector of Factories and Establishments. It is to be kept in the factory or establishment.

FORM NO. 11

HEALTH

1. Serial No. in the Register of adult workers: 21059
 2. Name of worker: SATHA RAM SUBRAM
 3. Sex: Male

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

Registration No.	Name of worker	Present physical condition	Occupational exposure	Any special points to be mentioned	Date of test	Date of being engaged in work	Remarks for further medical test	Remarks regarding medical certificate
1	2	3	4	5	6	7	8	9
			DR. Subram		02-11-55			
			DR. Subram		02-21-55			
			DR. Subram		02-22-55			

REGISTER

as amended vide Notification No. 1181-LR-12-174 dated 27th Nov. 1951

4. Date of birth: 01-04-1921

5. Medical examination and the results thereof

If engaged only for work

Name of worker	Age	Period of employment with the factory	Remarks on health	Date of issuing the certificate	Date of being engaged	Signature and seal of the Medical Officer in charge
1	2	3	4	5	6	7
DR. 157 (Heavy) Pipe Fitter	31					 DR. S. S. SUBRAM M.B.B., D.P.M. 15 WEST CALCUTTA ROAD CALCUTTA-1
DR. 710g, PWS 74000 Grip. B (1+02) RT 1120, S401M (M. 50) DR. 1114						
DR. 157 (Heavy) Pipe Fitter DR. 710g, PWS 74000 Grip. B (1+02) RT 1120, S401M (M. 50) DR. 1114						
DR. 157 (Heavy) Pipe Fitter DR. 710g, PWS 74000 Grip. B (1+02) RT 1120, S401M (M. 50) DR. 1114						 DR. S. S. SUBRAM M.B.B., D.P.M. 15 WEST CALCUTTA ROAD CALCUTTA-1
DR. 157 (Heavy) Pipe Fitter DR. 710g, PWS 74000 Grip. B (1+02) RT 1120, S401M (M. 50) DR. 1114						
DR. 157 (Heavy) Pipe Fitter DR. 710g, PWS 74000 Grip. B (1+02) RT 1120, S401M (M. 50) DR. 1114						

1. Medical certificate to be issued only for industrial workers.
 2. First copy must be sent to the Government.

FORM NO. 17

HEALTH

1. Serial No. in the Register of adult worker: 20159
 2. Name of worker: SUSANTA FA.
 3. Sex: Male

[Provided under Rule 63 & 64 of the West Bengal Factories Rules 1950]

Serial No.	Date of examination	Examination report	Remarks	Date of next examination
20159	01-05-18	Fit to work		
20159	01-05-18	Fit to work		
20159	01-05-18	Fit to work		

REGISTER

as amended vide Notification No. 1103-LW(B-10) dated 25th Nov. 1981

1. Date of birth: 02-05-1975
 2. Medical examination and the results thereof

Serial No. & Name of worker	Sex	Date of Birth	Medical Examination Report	Remarks
20159 SUSANTA FA.	M	02-05-1975	Fit to work	
20159 SUSANTA FA.	M	02-05-1975	Fit to work	
20159 SUSANTA FA.	M	02-05-1975	Fit to work	

Note: 1. Report card should be furnished for industrial worker.
 2. These cards should be kept for easy accessibility.

Signature of the Medical Officer
 Date: 01-05-18
 Signature of the Worker
 Date: 01-05-18

FORM NO. 13

1. Serial No. in the Register of 2nd worker: 33374
 2. Name of worker: SEURAY DAS
 3. Sex: MALE

HEALTH

[Prescribed under Rules 43 & 44 of the West Bengal Factories Rules 1950]

REGISTER

as notified vide Notification No. 101-LN-88-59 dated 15th Nov. 1951
 4. Date of birth: 19.01.1927
 5. Medical examination and the results thereof

If absent write for work

1. Name of worker	2. Name of the factory	3. Name of the employer	4. Name of the manager	5. Date of birth	6. Date of joining	7. Date of last medical examination	8. Name of the doctor	9. Name of the hospital	10. Name of the place
Oxygen Plant Operator		Seuray Das			15-04-52				
Oxygen plant Operator		Seuray Das			15-04-52				
Oxygen plant Operator		Seuray Das			15-04-52				

1. Name of worker	2. Name of the factory	3. Name of the employer	4. Name of the manager	5. Date of birth	6. Date of joining	7. Date of last medical examination	8. Name of the doctor	9. Name of the hospital	10. Name of the place
Mr. Rajkumar Das									
Mr. Dasgupta									
Mr. Dasgupta									

Handwritten signatures and stamps:
 1. Signature: [Handwritten]
 2. Stamp: [Circular stamp with text]
 3. Signature: [Handwritten]
 4. Stamp: [Circular stamp with text]

Note: 1. This form should be submitted to the medical officer.
 2. This form should be kept for reference.

EDRM NO. 17

HEALTH

1. Serial No. in the Register of which worker: 34440 3460 [Prescribed under Rules 63 & 64 of the West Bengal Factories Rules 1950]

2. Name of worker: RATHI MATHI

3. Sex: MALE

Particulars	Date of beginning of work	Duration of work	Name of the establishment	Set medical certificate or certificate of fitness to be issued by	Date of issue	Date of expiry of certificate	Reason for the issue of certificate	Remarks (including medical certificate)
Original issue			Field structure		18-02-19			
Original issue			Field structure		25-01-19			
Original issue			Field structure		01-01-19			

REGISTER

as amended with Notification No. 1133-LW/BR/BR dated 25th Nov. 1991

4. Date of birth: 01-02-1924

5. Medical examination and the results thereof

If declared unfit for work

Name of the establishment	Date of issue	Period of validity of certificate	Reason for work	Date of issue of certificate	Date of expiry of certificate	Remarks (including medical certificate)
115/85 unity Saha 7x2x Group A (115) 845-78- 21-75 109-118-45118 PER-2018 BFC	18					Handwritten notes and signatures
115/121/30 unity, 116-78/1 18-202-118-102/102 10-202-118-102/102 PER-2018 BFC	18					Handwritten notes and signatures
115/121/30 unity, 116-78/1 10-202-118-102/102 PER-2018 BFC	18					Handwritten notes and signatures

1. This form should be submitted to medical officer.
2. This form should be kept for medical examination.

FORM NO. 17

HEALTH

1. Serial No. in the Register of adult worker: 30508
 2. Name of worker: RAKESH JAMANTA
 3. Sex: MALF

[Prescribed under Rules 45 & 46 of the West Bengal Factories Rules 1978]

Department	Name of business	Designation	Date of entry	Date of last exam	Class of worker	Reason for withdrawal	Remarks
M/E-2 operation		Engineer		08-07-20			
M/E-2 operation		Engineer		08-07-20			
M/E-2 operation		Engineer		08-07-20			

REGISTER

as amended vide Notification No. 1182-LW-IB-191 dated 21st Nov. 1991

4. Date of birth: 02-03-1976

5. Medical examination and the results thereof

If declared unfit for work

Serial No.	Age	Period of employment	Reason for withdrawal	Class of worker	Date of last exam	Remarks
30508	24	08-07-20				
30509	24	08-07-20				
30510	24	08-07-20				

Form-17. Specimen form filled by Government for individual factories.
 1. This form should be ready for each examination.

Handwritten signatures and stamps:
 Dr. R. N. SINGH
 M.D. District Hospital
 10, M.D. District Hospital
 Kolkata - 700 012
 Date: 08-07-20

FORM NO. 17

HEALTH

1. Serial No. in the Register of sick worker: 38909
2. Name of worker: SANJAY KUMAR SINGH
3. Sex: MALE

[Prescribed under Rules 83 & 84 of the Workmen's Compensation Act, 1948]

Description of work	Name of the establishment	Disease or injury sustained	Date of commencement of disease or injury	Date of medical certificate issued by the medical officer	Period of absence from work		Reason for absence (as stated by the worker)	Name and position of the medical officer
					From	To		
Operator - Iron Machinery		FEET WOUNDS		15-02-78				
Operator - Plant Machinery		Acc - Fracture		10-03-78				
Operator - Plant Machinery		FEET WOUNDS		10-03-78				

REGISTER

No.

as amended vide Notification No. 138-LG/DR-191 dated 27th Nov. 1971

4. Date of birth: 05-05-1956

5. Medical examinations and the results thereof

If the worker is fit for work

Name of the worker	Age	Period of absence from work	Reason for absence	Date of medical certificate issued by the medical officer	Date of return to work	Signature with date of the Medical Officer/Doctor in Charge
Sanjay Kumar Singh	22	15-02-78 to 10-03-78	FEET WOUNDS	15-02-78		
Sanjay Kumar Singh	22	10-03-78 to 10-03-78	Acc - Fracture	10-03-78		
Sanjay Kumar Singh	22	10-03-78 to 10-03-78	FEET WOUNDS	10-03-78		

* Refer to...
1. Part of the certificate should be furnished to the medical officer.
2. Part of the certificate should be sent to the worker.

FORM NO. 17A





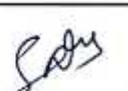
Record of Eye Examination

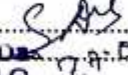
SL No.	DEPARTMENT/ WORK	NAME OF WORKER	SEX	AGE (on last birthday)	OCCUPATION		EXAMINATION OF EYE SIGHT		SIGNATURE OF OPHTHALMOLOGIST	REMARKS
					NATURE	Date of Employment	Date	Result		
36	Mbf-2 operation	Kalipu vinay 31194	male	27 yrs	ASST- Manager	27.5.18	27.3.24	BEK 6 6	<i>[Signature]</i>	Fit
37	Mbf-2 operation	Subhadip Layer 32507	male	28 yrs	Engg	08.9.20	27.3.24	BEK 6 6	<i>[Signature]</i>	Fit
38	oxygmp opastu	Sanjay Kumar Sing 31943	male	36 yrs	ASST- Crew	10.7.19	27.3.24	BEK 6 6	<i>[Signature]</i>	Fit
39	oxygmp opastu	Avishek Das 32677	male	32 yrs	sr. Engg	24.12.20	27.3.24	BEK 6 6	<i>[Signature]</i>	Fit
40	Oxygmp opastu	Jalandhar Das 31659	male	49 yrs	Field operator	12.2.19	27.3.24	BEK 6 6	<i>[Signature]</i>	Fit

Dr. *[Signature]*
 Regd. no. *[Signature]*
Dr. Sanjay Das
M.B.B.S - D.L.O.
(Ophthalmologist)
 Rono - 42401
 Ophthalmologist Sing. 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		
41	Maf 2 operation.	Shashi Bhushan Gupta 31230	male	59 yrs.	ASST General Manager	19.6.18	27.3.21	BE<6/6		Fit
42	Maf 2 operation.	Puspendu Kumar 31263	male	32 yrs.	Deputy Manager	12.7.18	27.3.21	BE<6/6		Fit
43	Assembly-Mech	Rishi muni Choudhry 30150	male	33 yrs.	Welder	04.2.16	27.3.21	BE<6/6		Fit
44	Oxyg. plant operation	Avadhesth Kumar 31663	male	39 yrs.	Sr. Tech	13.2.19.	27.3.21	BE<6/6		Fit
45	Oxyg. plant operation	Anil Kumar DAS 32981	male	45 yrs.	Gen Tech	26.7.21	27.3.21	BE<6/6		Fit

Dr. 
 Regd. Sanjay Das
 MBBS - DLO
 (Ophthalmologist)
 Reg. No. - 42401
 Ophthalmologist Sing. of Seal



TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-31/23-24/C/32
M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)	Date	: 25.04.2024
Address: Vill- Gokulpur, P.O- Shyamraipur,	Sample No.	: QLS/P-31/23-24/32
P.S- Kharagpur (L),	Sample Description	: Slag
Paschim Medinipur- 721301, West Bengal.	Sample Mark	: L D Slag
	Date of Performance	: 31.03.2024
	Sample Drawn On	: 02.04.2024-12.04.2024
	Ref No. Date	: O224379375 Dated. 20.02.2024

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	0.48	250
2.	Lead (as Pb) in mg/l	EPA 3050 B	0.37	5.0
3.	Copper (as Cu) in mg/l	EPA 3050 B	0.53	25.0
4.	Cobalt (as Co) in mg/l	EPA 3050 B	0.18	80.0
5.	Nickel (as Ni) in mg/l	EPA 3050 B	0.81	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	0.58	5.0
9.	Manganese (as Mn) in mg/l	EPA 3050 B	1.33	10.0

Report Prepared By:

[Signature]

for Qualissure Laboratory Services
Reviewed & Authorized By

[Signature]
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



Qualissure Laboratory Services

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 : M/s. Orissa Metaliks Pvt. Ltd. (Unit-II) Address: Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No. : QLS/P-31/23-24/C/33 Date : 25.04.2024 Sample No. : QLS/P-31/23-24/33 Sample Description : Slag Sample Mark : MBF Slag Date of Performance : 31.03.2024 Sample Drawn On : 02.04.2024-10.04.2024 Ref No. Date : O224379375 Dated. 20.02.2024
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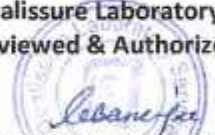
Analysis Result

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	0.80	250
2.	Lead (as Pb) in mg/l	EPA 3050 B	0.51	5.0
3.	Copper (as Cu) in mg/l	EPA 3050 B	0.67	25.0
4.	Cobalt (as Co) in mg/l	EPA 3050 B	0.22	80.0
5.	Nickel (as Ni) in mg/l	EPA 3050 B	0.59	20.0
6.	Arsenic (as As) in mg/l	EPA 3050 B	0.04	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	0.53	5.0
9.	Manganese (as Mn) in mg/l	EPA 3050 B	0.84	10.0

Report Prepared By:

Shrey

for Qualissure Laboratory Services
Reviewed & Authorized By


Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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

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