

Six Monthly (JUNE-2024) Compliance Report for Period October 2023 to March 2024 for Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal

1 message

ORISSA METALIKS <orissametalikspvtltd@gmail.com>

Mon, May 27, 2024 at 3:56 PM

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

Bcc: Biswanath Sharma <biswanath@rashmigroup.com>, bijayen.srivastava@rashmigroup.com, abhay.gupta@orissametaliks.com, omp1.environment@rashmigroup.co.in

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)** dated 07.07.2021 and 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 for Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal being operated by the name of **M/s Orissa Metaliks Private Limited (Unit-I)**.

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

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

Half yearly compliance report for the period of October 2023 to March 2024 have also been uploaded on parivesh portal having Compliance ID 28123354 (copy attached).

Hope you will find the same in order.

With warm Regards,

Authorised Signatory

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

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

Tel : 91 33-22894255/ 56

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Mbl. No-07044070948

 **OMPL-I_EC Compliance_JUNE-2024.pdf**
20935K

Ref.: OMPL-I/ENV COMPL /JUNE-2024

Date: 23.05.2024

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 Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) 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) dated 07.07.2021 and 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

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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-I/ENV COMPL/DEC-2023 dated 30.11.2023 on parivesh portal vide Compliance ID: 26339241 dated 30.11.2023

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

Hope you will find the same in order.

Thanking you.

Yours faithfully,

For **M/s Orissa Metaliks Private Limited (Unit-I)**

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 by WBPCB as Annexure-III.
5. Copy of Fugitive Emission Report as Annexure-IV.
6. Leachate analysis report of Dolochar as Annexure-V.
7. Green Belt Development Detail as Annexure-VI.
8. Six Month CAAQMS report from all the three stations as Annexure-VII.
9. Effluent & Ground water sampling Report is enclosed as Annexure-VIII.
10. Copy of Ambient & Work Noise Monitoring Report Annexure-IX.
11. OHS Record as Annexure -X.

SIX MONTHLY COMPLIANCE
REPORT
(JUNE-2024)

FOR

Project Name- Sponge Iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) operated by name of M/s Orissa Metaliks Private Limited (Unit-I)

**E.C. 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**

&

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

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



M/s ORISSA METALIKS PRIVATE LIMITED

1, GRASTIN PLACE, ORBIT HOUSE

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

WEST BENGAL

Phone No.-033 - 22438518

Email id-orissametalikspvtltd@gmail.com

Your (**Environment Clearance**) application has been **Submitted** with following details

Proposal No	IA/WB/IND/188930/2020
Compliance ID	28123354
Compliance Number(For Tracking)	EC/M/COMPLIANCE/28123354/2024
Reporting Year	2024
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	23-05-2024
IRO Name	ARTATRANA MISHRA
IRO Email	jhk109@ifs.nic.in
State	WEST BENGAL
IRO Office Address	Integrated Regional Offices, Kolkata

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

Name of the Project: -

Sponge Iron plant 7,80,000 TPA (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600)-780,000 TPA along with 83 MW captive power plant 83 MW (WHRB-52 MW + AFBC-6 MW + CFBC- 25 MW)at village Gokulpur, P.O Shyamraipur, P.S Kharagpur (Local) District West Medinipur, West Bengal.

Clearance Letter No. & date: -

EC No. - J-11011/229/2007-I (A) dated 07.07.2021

Covering stipulated condition of earlier 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

Period of Compliance Report: -

October 2023 to March 2024

A.	Specific Conditions	COMPLIANCE STATUS
i)	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Online stack Monitoring facilities for all stacks should be provided and sufficient air pollution control devices shall be provided to keep the emission level below prevailing standards. Data on Ambient air quality and stack emission should be regularly submitted to the ministry including regional office at Bhubaneswar, CPCB and W.B pollution control board once in six months.	<p style="text-align: center;">Been 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. One number of 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. 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.4. Dedicated 01 no. 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.





Mobile Mist Cannon



Fixed Mist Cannon



Road Sweeping Vehicle



Water Tanker



Fixed Water Sprinkler



Road sweeping machine



BOB cat



JCB



Management of OMPL has installed OCEMS in all the major stacks as per CPCB guide line and data is being transferred to CPCB central Server.

Existing DRI (6 x 100 + 1 x 350 + 1 x 500+ 1 x 600 TPD), CFBC-25 MW and AFBC-6 MW are equipped with ESP, bag filters, and cyclone. All ESP & bag houses are design to meet the standard below prescribed limit.

After taking into consideration the interest and financial share

cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB and data is transferred to SPCB server.

Regular reports of Monitoring and compliance are submitted to Ministry at regional office, Bhubaneswar & IRO, MoEFCC, Kolkata. 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	25.05.2023
8	2023-2024	1 st Dec 2023	30.11.2023
		1 st June 2024	-

Ambient Air Quality (AAQ) are monitored at three locations viz., Near Plant Main Gate, Kantapal Village and Amba Village by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata which is NABL/WBPCB accredited laboratory has done the analysis. As per monitoring reports the emission levels are as follows:

Parameter	Near Plant Main Gate	Kantapal Village	Amba Village
PM ₁₀ (µg/m ³)	76.0	51.0	56.0
PM _{2.5} (µg/m ³)	34.0	23.0	24.0
SO ₂ (µg/m ³)	7.0	5.8	6.2
NO ₂ (µg/m ³)	29.8	27.4	28.1
CO (µg/m ³)	594.0	503.0	492.0


Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached as **Annexure - I** for your ready reference.

Six monthly data (October 2023 to March 2024) of OCEMS is enclosed as **Annexure-II**.

ii) **As proposed, electrostatic precipitator (ESP) shall be provided to DRI kilns to control**

Being Complied
Existing Sponge Iron Unit having capacity 7,80,000 TPA (6 X 100 TPD, 1 X 350 TPD, 1 X600 TPD & 1 X 500 TPD capacity



	<p>emissions within prevailing standards. The waste gases from the DRI kiln shall be passed through dust particles and after burning chamber (ABC). The hot gases from ABC shall be taken to gas cleaning plant to burn the combustibles and cleaned in ESP.</p>	<p>base DRI units) having 9 nos. of ESP's with 6 nos. of 10 TPH, 1 no of 38 TPH capacities & 02 Nos, 60 TPH Waste Heat Recovery Boilers (WHRB). ESPs of adequate capacity have been provided at 6 MW AFBC & 25 MW CFBC Boilers & all the DRI Kilns.</p> <p>All ESP & bag houses are design to meet the standard below prescribed limit. Stack monitoring is carried out on regular basis by W.B.P.C.B/NABL/MoEF authorized laboratories. Latest Analysis report is attached as Annexure – III.</p>
<p>iii)</p>	<p>Bag filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control dust from raw material handling and storage area in DRI plant. The water shall be sprayed in the after burning Chamber.</p>	<p>Being Complied.</p> <p>Dust extraction system including Dedusting System and pulse jet bag filters is provided stock house, Product house, Separation house, and 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>iv)</p>	<p>Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored guidelines/Code of Practice issued by the CPCB shall be followed.</p>	<p>Being Complied.</p> <p>Inhibitory measures been taken by project proponent to reduce fugitive emissions from all the vulnerable sources 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. One number of 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. 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.



4. Dedicated 01 no 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.
7. Dry fog dust suppression system is installed at Fly ash silo area to reduce fugitive emission.

Fugitive Emissions have been monitored at DRI Plant Area, CPP Area, Near Fly Ash Silo Area, Truck Parking Area and Near Rotary Kiln (Emergency Gate) by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata which is NABL/WBPCB accredited laboratory and In-front of Kiln-9 (Emergency Gate), Automobile Area, Gokulpur Gate by West Bengal Pollution Control. As per monitoring reports for the period of October 2023 & March 2024 the emission levels are as follows:

S. No.	Location	TSPM ($\mu\text{g}/\text{m}^3$)
M/s Qualissure Laboratory Services		
1	DRI Plant Area	350.0
2	CPP Area	321.0
3	Near Fly Ash Silo Area	576.0
4	Truck Parking Area	252.0
5	Near Rotary Kiln (Emergency Gate)	276
West Bengal Pollution Control Board		
1	In-front of Kiln-9 (Emergency Gate)	1269
2	Automobile Area	112.48
3	Gokulpur Gate	285.05

The latest fugitive emission analysis report is enclosed as **Annexure No.-IV.**

v) **2050 KLD water is required for 780,000 TPA Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW captive power plant (WHRB - 52 MW + AFBC - 6 MW + CFBC-25 MW) and it will be sourced from Bore well , Rainwater Harvesting pond and surface water (Kansabati river).**

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. The present makeup water requirement in DRI & CPP 2050 KLD.

Water Requirement for EC awarded Project	Source of Water			
	Groundwater (after obtaining permission from SWID)	Surface waste from Kansabati River	Nala/ Treated Waste Water	R.W.H Pond
2,050 KLD	1,911 KLD		**	139 KLD

The plant has been designed as 'Zero 'effluent discharged concept. Primary ETP plant is installed in plant and CPP blow



	wastewater discharged outside the premises.	down is used in DRI plant. No waste water is discharged outside the premises. Water is recycled and reused for dust suppression and green belt development. Online web camera is installed at potential discharge outlet to ensure no water is discharged outside plant premises.																
vi)	2050 KLD water is required and it is/will be sourced from Bore well, Rainwater Harvesting pond & surface water (Kansabati river)	Being complied. The detail is already discussed in point no-v.																
vii)	All the char from DRI plant shall be utilized in AFBC boiler of power plant and no char shall be disposed of anywhere else. All the other solid waste is including broken refractory mass shall be properly disposed off in environment friendly manner.	Being Complied <ul style="list-style-type: none"> • OMPL-I is using imported/ indigenous coal having high GCV. As imported coal, GCV value is higher than the Indian Coal and Ash content is much lower in compare to Indian coal. Hence, Dolochar (by-product of Coal base DRI Process) is also comparatively higher calorific value and reused in kiln feed with coal fines to reduce the coal consumptions to enhance the generation of waste heat for producing the captive power. • OMPL-I are operating 30 TPH capacity AFBC boilers and producing 6 MW power for captive uses and AFBC boiler designed is on the basis of char and coal ratio (50: 50). Apart from that 100 TPH capacity CFBC boilers is also in operation and producing 25 MW power for captive uses and CFBC boiler designed is on the basis of char and coal ratio (70: 30). • Kiln accretion/ broken refractory mass is being used in associate company Sinter Plant, for Cement Manufacturing, land levelling. 																
viii)	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 authorised recyclers/ reprocesses.	Being Complied. <ul style="list-style-type: none"> • Coal and coke fines are used in DRI process, AFBC base & CFBC base CPP for reducing the fuel consumption. • 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). 																
ix)	A time bound action plan shall be submitted to reduce solid waste, its proper utilisation and disposal.	Being Complied 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: <table border="1" data-bbox="678 1724 1495 1892"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>Year (2023-24)</th> <th>Year (2024-25)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Kiln Accretion</td> <td>6,240</td> <td>--</td> </tr> <tr> <td>2</td> <td>Char & Dolochar</td> <td>1,48,000</td> <td>--</td> </tr> <tr> <td>3</td> <td>Fly Ash</td> <td>84,000</td> <td>--</td> </tr> </tbody> </table>	S. No.	Particulars	Year (2023-24)	Year (2024-25)	1	Kiln Accretion	6,240	--	2	Char & Dolochar	1,48,000	--	3	Fly Ash	84,000	--
S. No.	Particulars	Year (2023-24)	Year (2024-25)															
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2	Char & Dolochar	1,48,000	--															
3	Fly Ash	84,000	--															



4	Dust from APC Devices	1,09,200	--
5	Bottom Ash	1,52,000	--

Leachate Analysis Report of Dolochar is enclosed as **Annexure-V**.

x) **All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003.**

60-70% of the Fly ash is being supplied to associate company (Rashmi Cement Limited at Jhargram & Bansal Cement Private Limited at Kharagpur) for Cement manufacturing purpose. Balance 30-40 % is being used for brick making.

xi) **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.
Green belt with density of 2500 per hectare along and around boundary of the site towards the highway already started. In financial year 2023-24 total 1000 nos. sapling were planted for gap filling and the survival rate is 95.0%. The detail of green belt developed is enclosed as **Annexure-VI**.






xii) All the recommendation made in the charter on corporate Responsibility to Environment protection 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.	Not applicable
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% 	Not applicable
	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 (2022-2023) in prescribed format submitted on Online Consent Management & Monitoring System portal to WBPCB vides return no-3926410 dated 30.06.2023.
	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.	The company has Successfully installed online Stack monitoring system in all DRI & Power Plants. 04 Nos. CAAQMS & 02 nos. sensor based 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	Compliance reported is being submitted to the WBPCB and quarterly monitoring of the stacks is being done by	

			and efficiency with immediate effect. Compliance report in this regard is submitted to CPCB/SPCB every three months.	WBPCB.
		8	To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MoEF by December 2003.	Being complied
		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.	Not applicable
		B	Use of Tar - free runner linings	Not applicable
		C	De- dusting of Cast house at tap holes, runners, skimmers ladle and charging points.	Dry fog system is being installed at fly ash silo area.
		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.	Not applicable
		F	Processing of the waste containing flux & ferrous wastes through waste recycling plant.	Maximum Generated Solid wastes are reused in different units such as coal fine used in Pellet plant of associate company, DRI fines in SMS and Dolochar used in AFBC & CFBC Boiler for Power Generation.
		G	To implement rainwater harvesting	OMPL have 01 no. rain water harvesting ponds of capacity





				50,000 KL (approx.) 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 Phenolic water in ABC of DRI kiln resulting increase in enthalpy.
			II	Use of by-products gases for power generation The waste gas generated from DRI is being utilised in the power generation passing through Waste Heat Recovery Boiler (WHRB) feeding to 09 nos. water tube boiler which generates 52 MW power.
			III	Promotion of Energy Optimisation technology Including energy/ audit Not applicable
			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 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> <p>a) Dedicated 01 No water 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 01 no. street swiping machine also in use in plant.</p> <p>d) 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.</p> <p>e) 01 no movable Water mist fog system has been installed and in used in order to reduce the fugitive dust.</p> <p>f) 50 nos. of water sprinklers inside the plant at emission prone area like DRI, Truck Parking, Internal Road, CPP area, Raw material stock yard etc. has been installed for effectively controlling the fugitive emission.</p> <p>g) Engaged more numbers of dedicated Housekeeping team with proper training and equipment.</p> <p>h) Regular painting and cleaning /</p>



				<p>whitewashing of wall.</p> <p>i) Scraps are stored in proper demarcated area with proper marking.</p> <p>j) Hazardous wastes are stored in dedicated HZW store.</p> <p>k) Regular cleaning of drain systems pre monsoon is done.</p> <p>l) Concreting of internal road with proper drainage system to reduce vehicular emission.</p> <p>m) Trucks movement for transporting raw materials & solid waste in fully covered way to avoid dust pollution.</p> <p>n) 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/CPCB 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 CPCB/MoEF.</p>	<p>3 Field, 4 Field ESP, I.D. FAN, and WHRB are being installed in order to keep the pollution emission within prescribed limit.</p>
xiii)	DRI kiln should be provided with waste heat recovery boiler to make use of Flue gases generated during the process.	<p>Being Complied</p> <p>The management of OMPL have already installed 6 X 100 TPD+ 1 x 350 TPD+ 1 x 600 TPD + 1 x 500 TPD capacity DRI base Rotary Kilns with 6 X 10 TPH + 1x 38 TPH + 2 x 60 TPH capacity Waste Heat Recovery Boilers for generating the maximum of 52 MW power for captive uses.</p>		
xiv)	All the char from DRI plant should be utilized in AFBC boiler of power plant and no char should be disposed anywhere.	<p>Being Complied</p> <p>6 MW capacity AFBC base captive power plant & 25 MW CFBC based CPP are in operation where Dolo-chars generated from DRI kilns are fully utilized for captive power generation.</p>		



xv)	Setting of 780,000 TPA Sponge iron plant (6 x 100 + 1 x 350 + 1 x 350 + 1 x 500 + 1 x 600)-780,000 TPA along with 83 MW captive power plant 83 MW (WHRB-52 MW + AFBC-6 MW + CFBC- 25 MW) at Mouza- Mathurakismat, J.L. No-114.	Noted & Already Complied
xvi)	Adequate air pollution control measures as noted in Environment plan need be complied.	<p>Being Complied.</p> <ul style="list-style-type: none"> ❖ Existing Sponge Iron Unit having capacity 7,80,000 TPA (6 X 100 TPD, 1 X 350 TPD, 1 X600 TPD & 1 X 500 TPD capacity base DRI units) having 9 nos. of ESP's with 6 nos. of 10 TPH, 1 no of 38 TPH capacities & 02 Nos. 60 TPH Waste Heat Recovery Boilers (WHRB). ESPs of adequate capacity have been provided at 6 MW AFBC & 25 MW CFBC Boilers & all the DRI Kilns. ❖ All ESP & bag houses are design to meet the standard below prescribed limit. ❖ To control fugitive emission water mist fog canon system, water sprinklers, water guns, sweeper machine, movable water tanker is in place.
xvii)	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline	<p>Will be Complied</p> <p>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.</p> <p>Scheme for integrated water distribution networks between industrial units of the Group with respect to surface water drawal from Kansabati river is already submitted to ministry.</p>
xviii)	Emission level from Bag filter and ESP shall be 30 mg/Nm ³ .	Being Complied.
xix)	PP committed for use of imported coal only. However, the committee felt that during the non-availability of imported coal, PP shall be using Indian coal. Therefore, the pollution control equipment shall be designed for use of Indian coal/higher pollution load.	<p>Agreed</p> <p>For the current operational plant, the installed pollution control equipments are also designed for using Indian coal.</p>
xx)	Zero liquid discharge shall be adopted.	<p>Being Complied</p> <p>Our plant is designed as a Zero Discharge plant. Water is mainly used for cooling purpose. 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 & in sponge iron. No water is discharged outside the plant premises.</p>






		<p>Effluent generated from slag granulation is treated in primary ETP and is reused in process, for dust suppression & green belt development.</p> <p>The management has also installed Online OCEMS web camera (effluent) to ensure no waste water is being discharged outside plant premises.</p>												
xxi)	100% waste utilization shall be followed.	<p>Being Complied</p> <p>The char from DRI plants are being utilized in AFBC & CFBC boiler of power plant and no char is disposed of anywhere else. The solid waste utilization detail is as followed:</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Disposal Scheme</th> </tr> </thead> <tbody> <tr> <td>Kiln Accretion</td> <td>Used in Sinter Plant of associate company, Cement Manufacturing</td> </tr> <tr> <td>Char & Dolochar</td> <td>Used in FBC Boiler</td> </tr> <tr> <td>Fly Ash</td> <td>Used for bricks manufacturing and Cement Manufacturing</td> </tr> <tr> <td>Dust from APC Devices</td> <td>Used in Sinter Plant of associate company and also for Brick Manufacturing</td> </tr> <tr> <td>Bottom Ash</td> <td>Road Construction & Land levelling</td> </tr> </tbody> </table>	Particulars	Disposal Scheme	Kiln Accretion	Used in Sinter Plant of associate company, Cement Manufacturing	Char & Dolochar	Used in FBC Boiler	Fly Ash	Used for bricks manufacturing and Cement Manufacturing	Dust from APC Devices	Used in Sinter Plant of associate company and also for Brick Manufacturing	Bottom Ash	Road Construction & Land levelling
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xxii)	Green belt shall cover 33% of the total area in the plant site.	<p>Being Complied</p> <p>The detail of green belt developed is already discussed in point no-xi.</p>												
A.	GENERAL CONDITIONS:	COMPLIANCE STATUS												
i)	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	<p>Being Complied</p> <p>Adequate measure has been taken by management of OMPL-I for pollution control and complying with all condition issues by Central Pollution Control Board and State Pollution Control Board. Reports of Monitoring and compliance are submitted to WBPCB on regular basis.</p>												
ii)	No further expansion or modifications in the plant shall be carried but without prior approval of the Ministry of Environment and Forests.	<p>In compliance to this point amendment and part transfer in EC No. J-11011/227/2007-I (A) dated: 12.6.2008, 10.12.2008, 12.02.2015, 06.01.2017, 30.08.2018 & 26.12.2019 obtained by ministry vide EC no. - J-11011/229/2007-I (A) dated 07.07.2021.</p> <p>Copy of the amended and part transfer EC is already submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-I/ENV_COMPL/June-2022 dated 26.05.2022</p>												
iii)	The Gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and	<p>Complied</p> <p>All the necessary measures have been adopted by management of OMPL-I for preventing the gaseous emission on priority basis. The load mass-based standards for the financial year 2022-23 is calculated and submitted with</p>												



	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.	environmental statement in prescribed format to WBPCB vide letter no. OMPL(UNIT-I)/ENV_Statement/2022-2023 dated 26.09.2023.												
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 NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	<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. Also 01 no manual AAQMS is installed at plant main gate.</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-I/ENV COMPL/DEC-2023 dated 30.11.2023.</p> <p>CAAQMS reports are attached in as Annexure No. – VII</p>												
v)	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 style="text-align: center;">Being Complied.</p> <p>Plant is designed as Zero Discharge Plant. Primary ETP plant is installed in plant and CPP blow down is used in DRI plant. No waste water is discharged outside the premises. Water is recycled and reused for dust suppression and green belt development. Online OCEMS web camera (effluent) has been installed to ensure no waste water is being discharged outside plant premises.</p> <p>M/s Qualissure Laboratory Services, Kolkata which is NABL/WBPCB accredited laboratory has done the analysis. The analysis report of Effluent, STP (inlet & outlet) & Ground water sampling Report is enclosed as Annexure-VIII.</p>												
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 dBA (night-time)	<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 five locations viz. Near Plant Main Gate, Gokulpur Village, Amba Village, Near CPP Area and between DRI Plants by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata, West Bengal which is NABL/ WBPCB accredited laboratory. As per monitoring reports the noise levels are as follows:</p> <table border="1" data-bbox="667 1749 1487 1881"> <thead> <tr> <th colspan="3">Ambient Noise</th> </tr> <tr> <th>Location</th> <th>Leq dB (Day)</th> <th>Leq dB (Night)</th> </tr> </thead> <tbody> <tr> <td>Near Plant Main Gate</td> <td>63.0</td> <td>50.2</td> </tr> <tr> <td>Gokulpur Village</td> <td>54.3</td> <td>44.8</td> </tr> </tbody> </table>	Ambient Noise			Location	Leq dB (Day)	Leq dB (Night)	Near Plant Main Gate	63.0	50.2	Gokulpur Village	54.3	44.8
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vii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<p>Being Complied.</p> <p>Occupational health surveillance of the workers is periodically accessed on a regular basis and records are being maintained as per The Factories Act. 1948.</p> <p>OHS record is attached as Annexure-X.</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>OMPL has 01 no full fledge rain water harvesting pond in operation of total capacity 50,000 KL (approx.) in plant premises and harvested water are being used for dust suppression, green belt development etc.</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>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 2023-24, OMPL company has spent Rs. 60,25,000.00 under the head of CSR/CER. The recent CSR/CER photograph are as:</p>  															






Sponsorship in the Tournament



Construction of Burning Ghat

<p>x)</p>	<p>Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.</p>	<p>Being Complied</p> <p>Rs. 25.0 crore and Rs.2.55 crores is earmarked towards capital cost and annual recurring cost for implementing the environmental protection measures.</p> <table border="1" data-bbox="665 651 1485 1281"> <thead> <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> </thead> <tbody> <tr> <td rowspan="4">2023-2024</td> <td>Green Belt Development</td> <td>Maintenance, labour cost etc.</td> <td>3,25,200.00</td> </tr> <tr> <td>House Keeping</td> <td>Labour charges, Drainage Cleaning and other materials</td> <td>16,50,000.00</td> </tr> <tr> <td>Analysis & Monitoring of Environmental Parameters</td> <td>Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis</td> <td>10,11,800.00</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>3,16,20,000.00</td> </tr> <tr> <td colspan="3">TOTAL</td> <td>3,46,07,000.0</td> </tr> </tbody> </table>	Recurring Cost Incurred on Environmental Safeguard				Year	Particulars	Narration	Amount (INR)	2023-2024	Green Belt Development	Maintenance, labour cost etc.	3,25,200.00	House Keeping	Labour charges, Drainage Cleaning and other materials	16,50,000.00	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	10,11,800.00	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	3,16,20,000.00	TOTAL			3,46,07,000.0
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<p>xi)</p>	<p>A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila 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 be put on the web site of the company by the proponent.</p>	<p>Complied.</p> <p>Copies of EC dated 07.07.2021 w.r.t part transfer and amendment were submitted to DM, Paschim Medinipur vide letter dated 20.07.2021 and EC copy also uploaded on the website of the company http://orissametaliks.com/qehs.html.</p> <p>Copy of intimation letter is already submitted to regional office of ministry and SPCB with Six Monthly Compliance report (DEC-21) vide letter no-OMPL-I/ENV_COMPL/December-2021 dated 01.12.2021</p>																									
<p>xii)</p>	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update</p>	<p>Being Complied</p> <p>Monitoring of criteria pollutants level namely; PM₁₀, SO₂, NO_x (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</p>																									



	<p>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 PM₁₀, SO₂, NO_x) ambient levels as well as well as stack emissions) or critical sectoral parameters indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>board maintained as per CPCB format issued vide File no-B-29016 NGT/C-10/2020/ WM II/Div./ Dated 20th January 2020 outside the main gate of the plant for disclosure to the public and also uploaded on the website of the company https://www.rashmigroup.com/ehs/ .</p> <p>Electronic display board is installed at plant main gate and online stack emission data and CAAQMS data is also being displayed.</p>																																																				
<p>xiii)</p>	<p>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>	<p style="text-align: center;">Being Complied</p> <p>Regular reports of Monitoring and compliance are submitted to Ministry at regional office. The details of submission are enclosed here with.</p> <table border="1" data-bbox="711 825 1458 1434"> <thead> <tr> <th>Sr. No</th> <th>Year</th> <th>Period Up To</th> <th>Submission Date</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td rowspan="2">2016-2017</td> <td>1st Dec 2016</td> <td>26.11.2016</td> </tr> <tr> <td>1st June 2017</td> <td>16.05.2017</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">2017-2018</td> <td>1st Dec 2017</td> <td>01.12.2017</td> </tr> <tr> <td>1st June 2018</td> <td>01.06.2018</td> </tr> <tr> <td rowspan="2">3</td> <td rowspan="2">2018-2019</td> <td>1st Dec 2018</td> <td>28.11.2018</td> </tr> <tr> <td>1st June 2019</td> <td>23.05.2019</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">2019-2020</td> <td>1st Dec 2019</td> <td>14.11.2019</td> </tr> <tr> <td>1st June 2020</td> <td>29.05.2020</td> </tr> <tr> <td rowspan="2">5</td> <td rowspan="2">2020-2021</td> <td>1st Dec 2020</td> <td>30.11.2020</td> </tr> <tr> <td>1st June 2021</td> <td>31.05.2021</td> </tr> <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>25.05.2023</td> </tr> <tr> <td rowspan="2">8</td> <td rowspan="2">2023-2024</td> <td>1st Dec 2023</td> <td>30.11.2023</td> </tr> <tr> <td>1st June 2024</td> <td>-</td> </tr> </tbody> </table>	Sr. No	Year	Period Up To	Submission Date	1	2016-2017	1 st Dec 2016	26.11.2016	1 st June 2017	16.05.2017	2	2017-2018	1 st Dec 2017	01.12.2017	1 st June 2018	01.06.2018	3	2018-2019	1 st Dec 2018	28.11.2018	1 st June 2019	23.05.2019	4	2019-2020	1 st Dec 2019	14.11.2019	1 st June 2020	29.05.2020	5	2020-2021	1 st Dec 2020	30.11.2020	1 st June 2021	31.05.2021	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	25.05.2023	8	2023-2024	1 st Dec 2023	30.11.2023	1 st June 2024	-
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<p>xiv)</p>	<p>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</p>	<p style="text-align: center;">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 2022-23 is submitted to WPCB vide letter no. OMPL-I/ENV_Statement/2022-2023. Dated 26.09.2023 and also uploaded on the website of the company http://orissametaliks.com/qehs.html.</p> 																																																				

	shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	
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 10.07.2021 • Echo 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 (DEC-21) vide letter no-OMPL-I/ENV_COMPL/December-2021 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>Agreed</p> <p>Private Company, no finance is needed from outside.</p>
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	Noted



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.

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 as well as human health, number of banners and flex has been displayed at suitable place like work place, canteen & parking area etc.





**Half Yearly Compliance Report
2024**

01 Jun(01 Oct - 31 Mar)

Acknowledgment

Proposal Name	Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal		
Name of Entity / Corporate Office	Orissa Metaliks Private Limited (Unit-I)		
Village(s)	N/A		
District	MEDINIPUR  WEST		
Proposal No.	IA/WB/IND/188930/2020	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	WEST BENGAL	Entity's PAN	NA
MoEF File No.	J-11011/229/2007-IA.II(I)	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Compliance Report for the Period of October 2023 to March 2024 for Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	Orissa Metaliks Private Limited (Unit-I)	
	Project Area as per EC Granted	Annual Project Area in Possession
Private	16.187	16.187
Revenue Land	0	0
Forest	0	0

Others	0	0
Total	16.187	16.187

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	SPONGE IRON	Tons per Annum (TPA)	30/10/2026	780000	778163.56	780000
2	CPTIVE POWER PLANT (WHRB)	MW	30/10/2026	52	111879.904	52
3	CPTIVE POWER PLANT (AFBC)	MW	30/10/2026	06	41899.2	06
4	CPTIVE POWER PLANT (CFBC)	MW	30/10/2026	25	194045.672	25

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	WATER QUALITY MONITORING AND PRESERVATION	2050 KLD water is required and it is/will be sourced from Bore well, Rainwater Harvesting pond & surface water (Kansabati river)
PPs Submission: Being Complied The detail is already discussed in point no-v.		Date: 23/05/2024
2	WASTE MANAGEMENT	All the char from DRI plant should be utilized in AFBC boiler of power plant and no char should be disposed anywhere.
PPs Submission: Being Complied 6 MW capacity AFBC base captive power plant & 25 MW CFBC based CPP are in operation where Dolo-chars generated from DRI kilns are fully utilized for captive power generation.		Date: 23/05/2024
3	ENERGY PRESERVATION MEASURES	DRI kiln should be provided with waste heat recovery boiler to make use of Flue gases generated during the process.
PPs Submission: Being Complied The management of OMPL have already installed 6 X 100 TPD+ 1 x 350 TPD+ 1 x 600 TPD + 1 x 500 TPD capacity DRI base Rotary Kilns with 6 X 10 TPH + 1x 38 TPH + 2 x 60 TPH capacity Waste Heat Recovery Boilers for generating the maximum of 52 MW power for captive uses.		Date: 23/05/2024
4	AIR QUALITY MONITORING AND PRESERVATION	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Online stack Monitoring facilities for all stacks should be provided and sufficient air pollution control devices shall be provided to keep the emission level below

		prevailing standards. Data on Ambient air quality and stack emission should be regularly submitted to the ministry including regional office at Bhubaneswar, CPCB and W.B pollution control board once in six months	
		<p>PPs Submission: Being Complied</p> <p>Adequate Measures have been taken by management for reducing the RSPM levels in the ambient air like. 1. Fixed water sprinklers and water guns are provided at the potential internal roads and raw materials handling areas. 2. One number of 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. 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. 4. Dedicated 01 no. 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. Management of OMPL has installed OCEMS in all the major stacks as per CPCB guide line and data is being transferred to CPCB central Server. Existing DRI (6 x 100 + 1 x 350 + 1 x 500+ 1 x 600 TPD), CFBC-25 MW and AFBC-6 MW are equipped with ESP, bag filters, and cyclone. All ESP & bag houses are design to meet the standard below prescribed limit. After taking into consideration the interest and financial share cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB and data is transferred to SPCB server. Regular reports of Monitoring and compliance are submitted to Ministry at regional office, Bhubaneswar & IRO, MoEFCC, Kolkata. Ambient Air Quality (AAQ) are monitored at three locations viz., Near Plant Main Gate, Kantapal Village and Amba Village by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata which is NABL/WBPCB accredited laboratory has done the analysis. Latest Ambient Air Quality Monitoring Analysis reports carried by NABL/MoEF accredited lab are attached.</p>	Date: 23/05/2024
5	AIR QUALITY MONITORING AND PRESERVATION	As proposed, electrostatic precipitator (ESP) shall be provided to DRI kilns to control emissions within prevailing standards. The waste gases from the DRI kiln shall be passed through dust particles and after burning chamber (ABC). The hot gases from ABC shall be taken to gas cleaning plant to burn the combustibles and cleaned in ESP.	
		<p>PPs Submission: Being Complied</p> <p>Existing Sponge Iron Unit having capacity 7,80,000 TPA (6 X 100 TPD, 1 X 350 TPD, 1 X600 TPD & 1 X 500 TPD capacity base DRI units) having 9 nos. of ESP's with 6 nos. of 10 TPH, 1 no of 38 TPH capacities & 02 Nos. 60 TPH Waste Heat Recovery Boilers (WHRB). ESPs of adequate capacity have been provided at 6 MW AFBC & 25 MW CFBC Boilers & all the DRI Kilns. All ESP & bag houses are design to meet the standard below prescribed limit. Stack monitoring is carried out on regular basis by W.B.P.C.B/NABL/MoEF authorized laboratories. Latest Analysis report is attached.</p>	Date: 23/05/2024
6	AIR QUALITY MONITORING AND PRESERVATION	Bag filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control dust from raw material handling and storage area in DRI plant. The water shall be sprayed in the after burning Chamber.	
		<p>PPs Submission: Being Complied</p> <p>Dust extraction system including Dedusting System and pulse jet bag filters is provided stock house, Product house, Separation house, and 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>	Date: 23/05/2024
7	AIR QUALITY MONITORING AND PRESERVATION	Gaseous emission levels including secondary fugitive emissions form all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored guidelines/Code of Practice issued by the CPCB shall be followed.	

	<p>PPs Submission: Being Complied Inhibitory measures been taken by project proponent to reduce fugitive emissions from all the vulnerable sources like: 1. Fixed water sprinklers and water guns are provided at the potential internal roads and raw materials handling areas. 2. One number of 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. 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. 4. Dedicated 01 no 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. 7. Dry fog dust suppression system is installed at Fly ash silo area to reduce fugitive emission. Fugitive Emissions have been monitored at DRI Plant Area, CPP Area, Near Fly Ash Silo Area, Truck Parking Area and Near Rotary Kiln (Emergency Gate) by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata which is NABL/WBPCB accredited laboratory and In-front of Kiln-9 (Emergency Gate), Automobile Area, Gokulpur Gate by West Bengal Pollution Control. The latest fugitive emission analysis report is attached.</p>	<p>Date: 23/05/2024</p>
8	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>2050 KLD water is required for 780,000 TPA Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW captive power plant (WHRB – 52 MW + AFBC – 6 MW + CFBC-25 MW) and it will be sourced from Bore well , Rainwater Harvesting pond and surface water (Kansabati river). Zero effluent discharge shall be strictly followed and no wastewater discharged outside the premises.</p>
	<p>PPs Submission: Being Complied 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. The present makeup water requirement in DRI & CPP 2050 KLD. The plant has been designed as 'Zero 'effluent discharged concept. Primary ETP plant is installed in plant and CPP blow down is used in DRI plant. No waste water is discharged outside the premises. Water is recycled and reused for dust suppression and green belt development. Online web camera is installed at potential discharge outlet to ensure no water is discharged outside plant premises.</p>	<p>Date: 23/05/2024</p>
9	<p>WASTE MANAGEMENT</p>	<p>All the char from DRI plant shall be utilized in AFBC boiler of power plant and no char shall be disposed of anywhere else. All the other solid waste is including broken refractory mass shall be properly disposed off in environment friendly manner.</p>
	<p>PPs Submission: Being Complied OMPL-I is using imported/ indigenous coal having high GCV. As imported coal, GCV value is higher than the Indian Coal and Ash content is much lower in compare to Indian coal. Hence, Dolochar (by-product of Coal base DRI Process) is also comparatively higher calorific value and reused in kiln feed with coal fines to reduce the coal consumptions to enhance the generation of waste heat for producing the captive power. OMPL-I are operating 30 TPH capacity AFBC boilers and producing 6 MW power for captive uses and AFBC boiler designed is on the basis of char and coal ratio (50: 50). Apart from that 100 TPH capacity CFBC boilers is also in operation and producing 25 MW power for captive uses and CFBC boiler designed is on the basis of char and coal ratio (70: 30). Kiln accretion/ broken refractory mass is being used in associate company Sinter Plant, for Cement Manufacturing, land levelling.</p>	<p>Date: 23/05/2024</p>
10	<p>WASTE MANAGEMENT</p>	<p>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 authorised recyclers/reprocesses.</p>
	<p>PPs Submission: Being Complied Coal and coke fines are used in DRI process, AFBC base & CFBC base CPP for reducing the fuel consumption. Used oils are industrial lubricating oils are stored in closed barrels with appropriate</p>	<p>Date: 23/05/2024</p>

		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).	
11	WASTE MANAGEMENT	A time bound action plan shall be submitted to reduce solid waste, its proper utilisation and disposal.	
		PPs Submission: Being Complied Because of use of better quality of raw material and process optimization there is a reduction in solid waste generation. Leachate Analysis Report of Dolochar is attached.	Date: 23/05/2024
12	WASTE MANAGEMENT	All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003.	
		PPs Submission: Being Complied 60-70% of the Fly ash is being supplied to associate company (Rashmi Cement Limited at Jhargram & Bansal Cement Private Limited at Kharagpur) for Cement manufacturing purpose. Balance 30-40 % is being used for brick making.	Date: 23/05/2024
13	GREENBELT	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.	
		PPs Submission: Being Complied Green belt with density of 2500 per hectare along and around boundary of the site towards the highway already started. In financial year 2023-24 total 1000 nos. sapling were planted for gap filling and the survival rate is 95.0%. The detail of green belt developed is attached.	Date: 23/05/2024
14	Statutory compliance	All the recommendation made in the charter on corporate Responsibility to Environment protection for the steel plants shall be implemented.	
		PPs Submission: Being Complied CREP being complied in time bound frame.	Date: 23/05/2024
15	MISCELLANEOUS	Setting of 780,000 TPA Sponge iron plant (6 x 100 + 1 x 350 + 1 x 350 + 1 x 500 + 1 x 600)-780,000 TPA along with 83 MW captive power plant 83 MW (WHRB-52 MW + AFBC-6 MW + CFBC- 25 MW) at Mouza-Mathurakismat, J.L. No-114.	
		PPs Submission: Complied Noted & Already Complied.	Date: 23/05/2024
16	AIR QUALITY MONITORING AND PRESERVATION	Adequate air pollution control measures as noted in Environment plan need be complied.	
		PPs Submission: Being Complied Existing Sponge Iron Unit having capacity 7,80,000 TPA (6 X 100 TPD, 1 X 350 TPD, 1 X600 TPD & 1 X 500 TPD capacity base DRI units) having 9 nos. of ESP's with 6 nos. of 10 TPH, 1 no of 38 TPH capacities & 02 Nos. 60 TPH Waste Heat Recovery Boilers (WHRB). ESPs of adequate capacity have been provided at 6 MW AFBC & 25 MW CFBC Boilers & all the DRI Kilns. All ESP & bag houses are design to meet the standard below prescribed limit. To control fugitive emission water mist fog canon system, water sprinklers, water guns, sweeper machine, movable water tanker is in place.	Date: 23/05/2024
17	Statutory compliance	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline	

<p>PPs Submission: Being 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 to ministry.</p>		Date: 23/05/2024
18	AIR QUALITY MONITORING AND PRESERVATION	Emission level from Bag filter and ESP shall be 30 mg/Nm3.
<p>PPs Submission: Being Complied Being Complied.</p>		Date: 23/05/2024
19	AIR QUALITY MONITORING AND PRESERVATION	PP committed for use of imported coal only. However, the committee felt that during the non-availability of imported coal, PP shall be using Indian coal. Therefore, the pollution control equipment shall be designed for use of Indian coal/higher pollution load.
<p>PPs Submission: Being Complied For the current operational plant, the installed pollution control equipments are also designed for using Indian coal.</p>		Date: 23/05/2024
20	Statutory compliance	Zero liquid discharge shall be adopted
<p>PPs Submission: Being Complied Our plant is designed as a Zero Discharge plant. Water is mainly used for cooling purpose. 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 & in sponge iron. 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. The management has also installed Online OCEMS web camera (effluent) to ensure no waste water is being discharged outside plant premises.</p>		Date: 23/05/2024
21	WASTE MANAGEMENT	100% waste utilization shall be followed.
<p>PPs Submission: Being Complied The char from DRI plants are being utilized in AFBC & CFBC boiler of power plant and no char is disposed of anywhere else.</p>		Date: 23/05/2024
22	GREENBELT	Green belt shall cover 33% of the total area in the plant site.
<p>PPs Submission: Being Complied Green belt with density of 2500 per hectare along and around boundary of the site towards the highway already started. In financial year 2023-24 total 1000 nos. sapling were planted for gap filling and the survival rate is 95.0%.</p>		Date: 23/05/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
<p>PPs Submission: Being Complied OMPL has 01 no full fledged rain water harvesting pond in operation of total capacity 50,000 KL.</p>		Date: 23/05/2024

		(approx.) in plant premises and harvested water are being used for dust suppression, green belt development etc.	
2	MISCELLANEOUS	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	
		PPs Submission: Being Complied Adequate measure has been taken by management of OMPL-I 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.	Date: 23/05/2024
3	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried but without prior approval of the Ministry of Environment and Forests.	
		PPs Submission: Being Complied In compliance to this point amendment and part transfer 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. Copy of the amended and part transfer EC is already submitted to regional office of ministry and SPCB with Six Monthly Compliance report (June-22) vide letter no-OMPL-I/ENV_COMPL/June-2022 dated 26.05.2022.	Date: 23/05/2024
4	MISCELLANEOUS	The Gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	
		PPs Submission: Being Complied All the necessary measures have been adopted by management of OMPL-I for preventing the gaseous emission on priority basis. The load mass-based standards for the financial year 2022-23 is calculated and submitted with environmental statement in prescribed format to WBPCB vide letter no. OMPL(UNIT-I)/ENV_Statement/2022-2023 dated 26.09.2023.	Date: 23/05/2024
5	AIR QUALITY MONITORING AND PRESERVATION	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2, and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	
		PPs Submission: 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. Also 01 no manual AAQMS is installed at plant main gate. 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-I/ENV COMPL/DEC-2023 dated 30.11.2023. CAAQMS reports are attached.	Date: 23/05/2024
6	WATER QUALITY MONITORING AND PRESERVATION	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	

<p>PPs Submission: Being Complied Plant is designed as Zero Discharge Plant. Primary ETP plant is installed in plant and CPP blow down is used in DRI plant. No waste water is discharged outside the premises. Water is recycled and reused for dust suppression and green belt development. Online OCEMS web camera (effluent) has been installed to ensure no waste water is being discharged outside plant premises. M/s Qualissure Laboratory Services, Kolkata which is NABL/ WBPCB accredited laboratory has done the analysis. The analysis report of Effluent, STP (inlet & outlet) & Ground water sampling Report is attached.</p>		Date: 23/05/2024
7	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods. Silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and dBA (night-time).
<p>PPs Submission: 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 levels have been monitored at five locations viz. Near Plant Main Gate, Gokulpur Village, Amba Village, Near CPP Area and between DRI Plants by third party monitoring agency M/s Qualissure Laboratory Services, Kolkata, West Bengal which is NABL/ WBPCB accredited laboratory. The Ambient & work zone noise monitoring report is attached.</p>		Date: 23/05/2024
8	Human Health Environment	Occupational health surveillance of then workers shall be done on a regular basis and records maintained as per the Factories Act.
<p>PPs Submission: Being Complied Occupational health surveillance of the workers is periodically accessed on a regular basis and records are being maintained as per The Factories Act. 1948. OHS record is attached.</p>		Date: 23/05/2024
9	MISCELLANEOUS	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>PPs Submission: 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 2023-24, OMPL company has spent Rs. 60,25,000.00</p>		Date: 23/05/2024
10	MISCELLANEOUS	Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
<p>PPs Submission: Being Complied Rs. 25.0 crore and Rs.2.55 crores is earmarked towards capital cost and annual recurring cost for implementing the environmental protection measures.</p>		Date: 23/05/2024
11	MISCELLANEOUS	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila 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 be put on the web site of the

		company by the proponent.	
		<p>PPs Submission: Complied Copies of EC dated 07.07.2021 w.r.t part transfer and amendment 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 is already submitted to regional office of ministry and SPCB with Six Monthly Compliance report (DEC-21) vide letter no-OMPL-I/ENV_COMPL/December-2021 dated 01.12.2021.</p>	<p>Date: 23/05/2024</p>
12	MISCELLANEOUS	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 PM10, SO2, NOx) ambient levels as well as well as stack emissions) or critical sectoral parameters indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
		<p>PPs Submission: Complied 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/. Electronic display board is installed at plant main gate and online stack emission data and CAAQMS data is also being displayed.</p>	<p>Date: 23/05/2024</p>
13	MISCELLANEOUS	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environment conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	
		<p>PPs Submission: Being Complied Regular reports of Monitoring and compliance are submitted to Ministry at regional office.</p>	<p>Date: 23/05/2024</p>
14	MISCELLANEOUS	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	
		<p>PPs Submission: Being 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-I/ENV_Statement/2022-2023 dated 26.09.2023 and also uploaded on the website of the company http://orissametaliks.com/qehs.html.</p>	<p>Date: 23/05/2024</p>
15	MISCELLANEOUS	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>PPs Submission: 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: 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 (DEC-21) vide letter no-OMPL-I/ENV_COMPL/December-2021 dated 01.12.2021.</p>	<p>Date: 23/05/2024</p>
16	MISCELLANEOUS	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	
		<p>PPs Submission: Complied Private Company, no finance is needed from outside.</p>	<p>Date: 23/05/2024</p>
17	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	
		<p>PPs Submission: Agreed to Comply Noted.</p>	<p>Date: 23/05/2024</p>
18	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	
		<p>PPs Submission: Agreed to Comply Agreed.</p>	<p>Date: 23/05/2024</p>
19	MISCELLANEOUS	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Green Tribunal Act, 1977.	
		<p>PPs Submission: Agreed to Comply Noted.</p>	<p>Date: 23/05/2024</p>
20	MISCELLANEOUS	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules	
		<p>PPs Submission: Complied Noted.</p>	<p>Date: 23/05/2024</p>
21	MISCELLANEOUS	Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).	
		<p>PPs Submission: Being Complied In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment as well as human health, number of banners and flex has been displayed at suitable</p>	<p>Date: 23/05/2024</p>

place like work place, canteen & parking area etc.

Visit Remarks

Last Site Visit Report Date:

02/02/2021

Additional Remarks:

Scan copy of the Compliance Report for Period of October 2023 to March 2024 is uploaded in additional attachment for your kind consideration.



TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/17
	Date	: 19.04.2024
	Sample No.	: QLS/P-33/23-24/17
	Sample Description	: Ambient Air
	Date of performance	: 20.03.2024-23.03.2024
	Ref No. Date	: O124379371;Dated-02.02.2024

Analysis Result

Location : Kantapal Village		Date of sampling : 18.03.2024-19.03.2024		
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	51	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	23	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	5.8	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.4	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	503	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:

Barkha

for Qualissure Laboratory Services

Reviewed & Authorized By

Barkha

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 I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/18
	Date	: 19.04.2024
	Sample No.	: QLS/P-33/23-24/18
	Sample Description	: Ambient Air
	Date of performance	: 20.03.2024-23.03.2024
	Ref No. Date	: O124379371;Dated-02.02.2024

Analysis Result

Location : Near Plant Main Gate		Date of sampling : 18.03.2024-19.03.2024		
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	76	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	34	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.0	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	29.8	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	594	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:

Sanjib

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai
Benimadhab Gorai, Chemist
(Authorized Signatory)



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

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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, VIII- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (I), Paschim Medinipur- 721301, West Bengal.	Report No. : QLS/P-33/23-24/C/19 Date : 19.04.2024 Sample No. : QLS/P-33/23-24/19 Sample Description : Ambient Air Date of performance : 20.03.2024-23.03.2024 Ref No. Date : O124379371;Dated-02.02.2024
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Analysis Result

Location : Amba village		Date of sampling : 18.03.2024-19.03.2024		
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	56	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m ³	24	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.2	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.1	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m ³	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:

Bowdhan

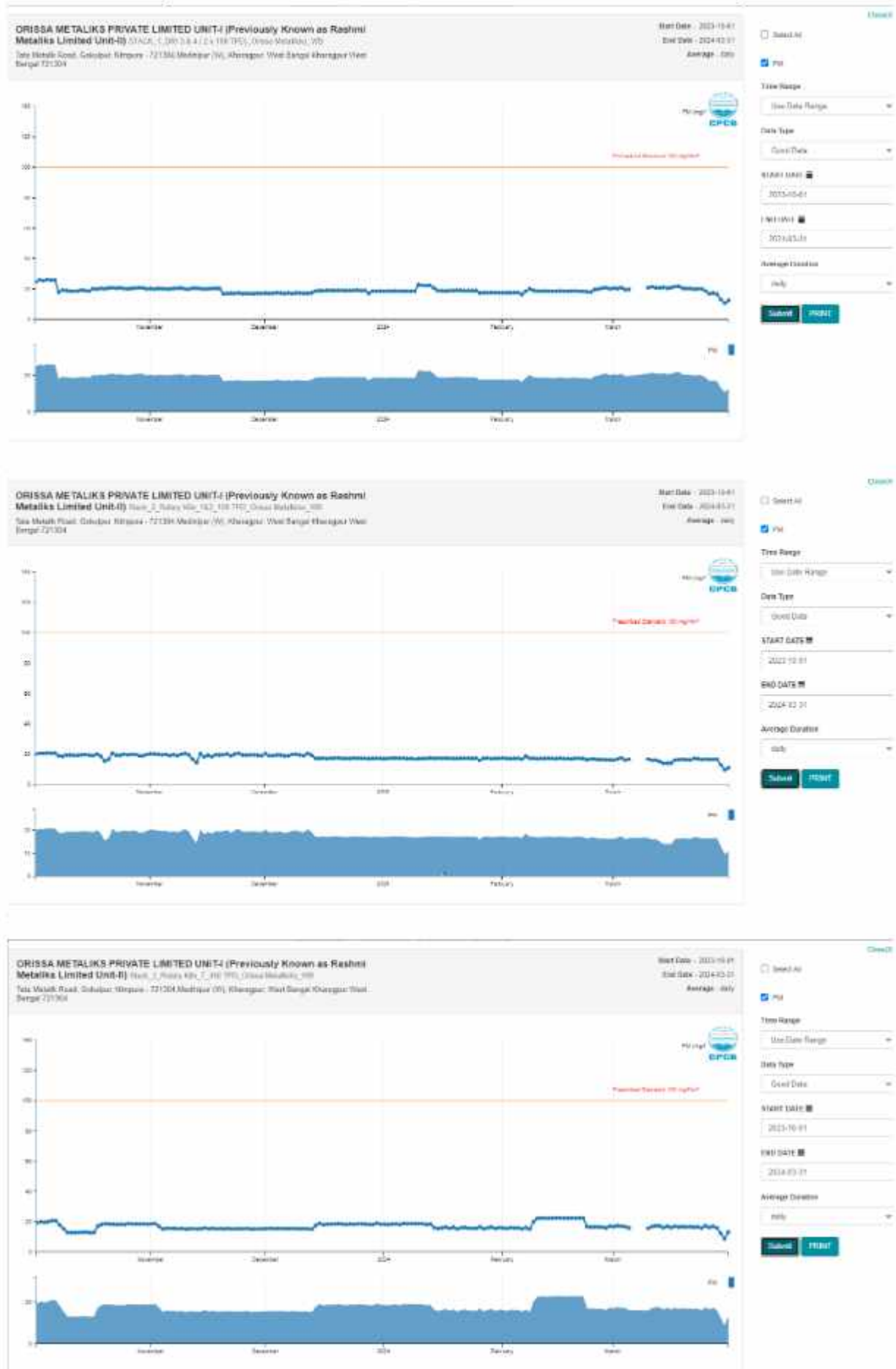
for Qualissure Laboratory Services
Reviewed & Authorized By

Bowdhan
Benimadhab Gorai, Chemist
(Authorized Signatory)

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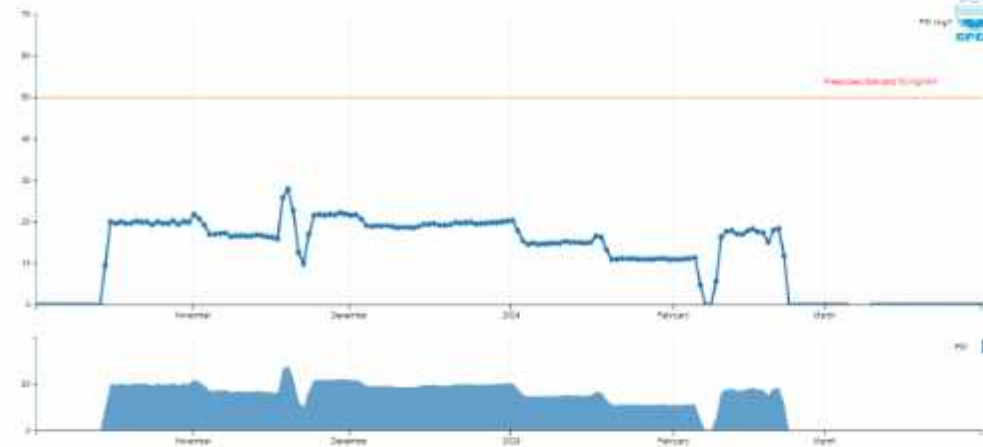
CONTINUOUS EMISSION MONITORING SYSTEM



ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metals Limited Unit-I) Unit 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Start Date - 2023-10-01
End Date - 2024-02-01
Average - 40%

Tata Metals Road, Gokulap, Mysore - 721004, Odisha (IN), Khargarh, West Bengal, Khargarh West Bengal 721004



Search

Select All

Time Range: Use Date Range

Data Type: Total Data

START DATE: 2023-10-01

END DATE: 2024-02-01

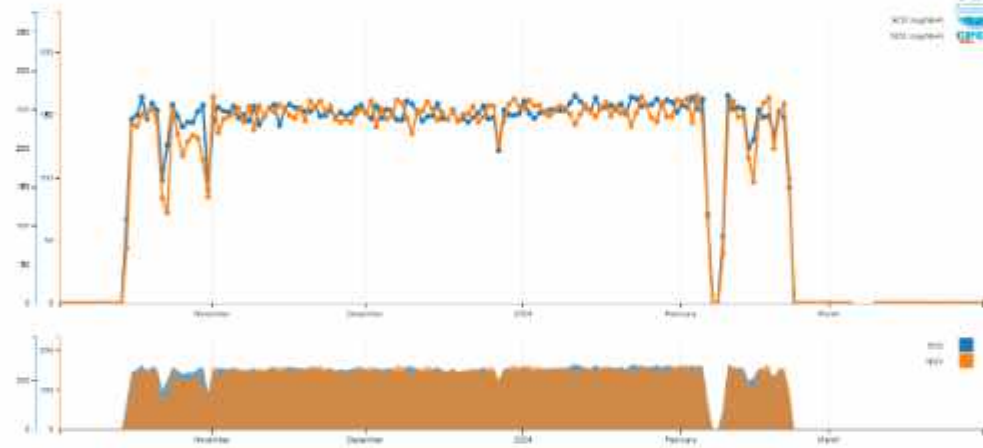
Average Duration: 40%

Submit Filter

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Start Date - 2023-10-01
End Date - 2024-02-01
Average - 40%

Tata Metals Road, Gokulap, Mysore - 721004, Odisha (IN), Khargarh, West Bengal, Khargarh West Bengal 721004



Select All

Time Range: Use Date Range

Data Type: Total Data

START DATE: 2023-10-01

END DATE: 2024-02-01

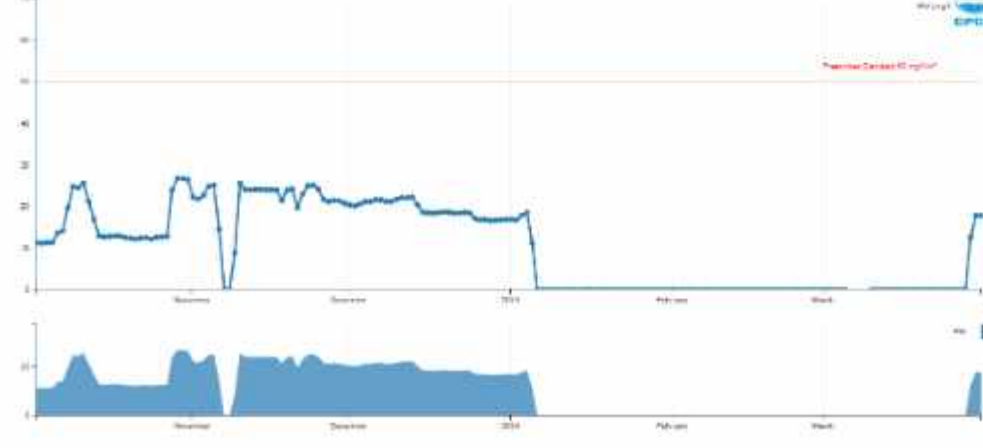
Average Duration: 40%

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Start Date - 2023-10-01
End Date - 2024-02-01
Average - 40%

Tata Metals Road, Gokulap, Mysore - 721004, Odisha (IN), Khargarh, West Bengal, Khargarh West Bengal 721004



Select All

Time Range: Use Date Range

Data Type: Total Data

START DATE: 2023-10-01

END DATE: 2024-02-01

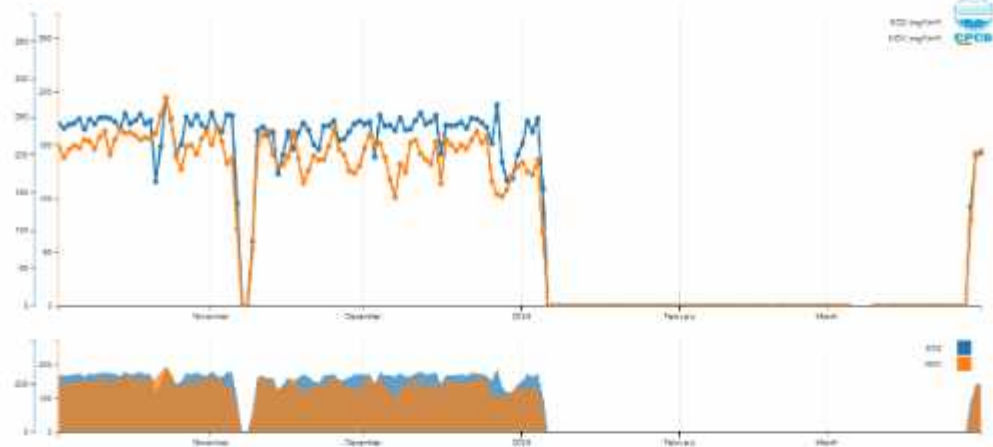
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ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metals Limited Unit-I) (NSE:ORPM, OPM, BSE:500001)
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Start Date - 2023-10-01
 End Date - 2024-03-31
 Average - Daily

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Time Range

Use Date Range

Data Type

Good Data

START DATE

2023-10-01

END DATE

2024-03-31

Average Duration

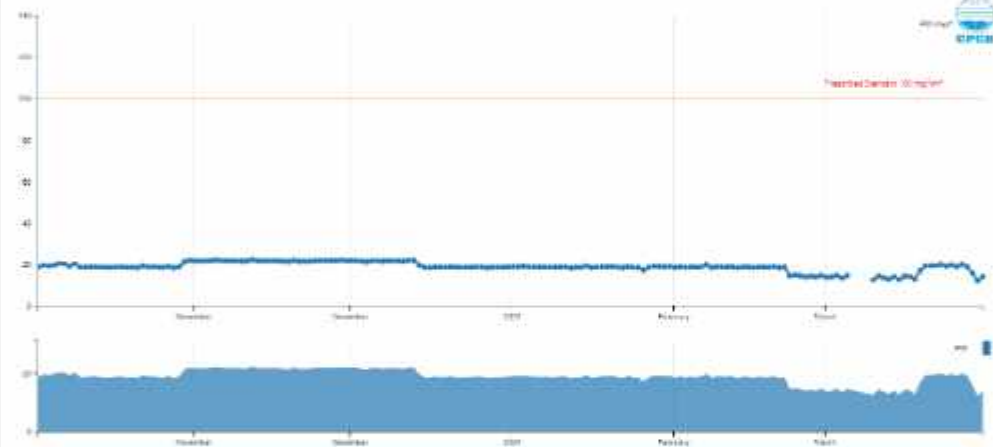
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Start Date - 2023-10-01
 End Date - 2024-03-31
 Average - Daily

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Select All

- OHLC

Time Range

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Data Type

Good Data

START DATE

2023-10-01

END DATE

2024-03-31

Average Duration

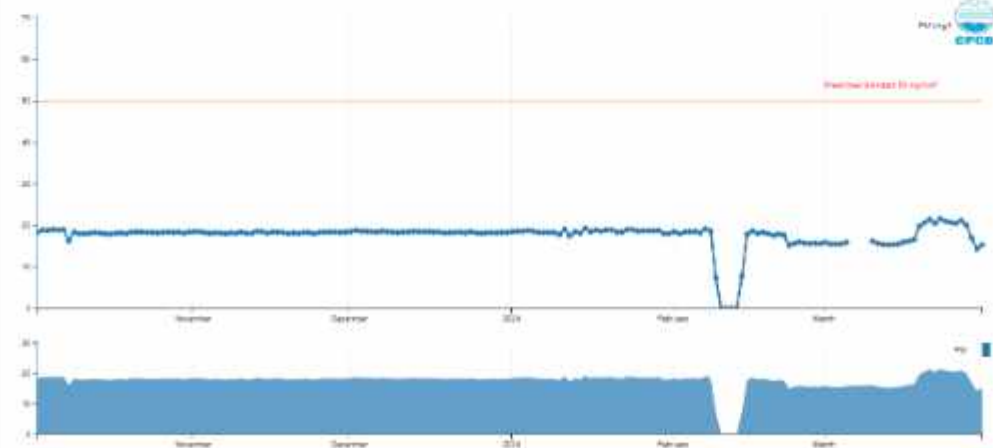
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 Tata Metals Road, Odisha, Bhubaneswar - 751004 Odisha (IN), Khargarh West Sengal Khargarh West Sengal 751004

Start Date - 2023-10-01
 End Date - 2024-03-31
 Average - Daily

Download



Select All

- OHLC

Time Range

Use Date Range

Data Type

Good Data

START DATE

2023-10-01

END DATE

2024-03-31

Average Duration

Daily

Submit Print



TEST REPORT

Name & Address Of the Customer: M/s. Orissa Metaliks Pvt. Ltd. (Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/16
	Date	: 02.02.2024
	Sample No.	: QLS/P-33/23-24/16
	Sample Description	: Stack Flue Gas
	Date of Performance (s)	: 22.01.2024-27.01.2024
	Sample Mark	: AFBC Boiler
	Ref No. Date	: Verbal Confirmation

Analysis Result

Date & Time of Sampling : 22.01.2024 at 10:40 hrs. Sampling done by : S.Poddar	Sampling Procedures : EPA/IS	
A : General Information of Stack:		
1 Stack connected to	: AFBC Boiler (30 TPH)	
2 Emission due to	: Combustion of Coal	
3 Material of construction of Stack	: MS	
4 Shape of Stack	: Circular	
5 Whether Stack is provided with permanent platform	: Yes	
6 Generation Capacity	: 30 TPH	
B : Physical Characteristic of Stack:		
1 Height of Stack from ground level	: 60.0 m	
2 Diameter of Stack at bottom	: ---	
3 Diameter of Stack at sampling point	: 2.0 m	
4 Height of the sampling point from ground level	: ---	
5 Area of Stack	: 3.14 m ²	
C : Analysis/Characteristic of Stack:		
1 Fuel used : Coal & Dolochar	2. Fuel consumption : Coal-3.6 TPH & Dolochar-5.9 TPH	
D : Results of Sampling & Analysis of gaseous Emission:		
	RESULT	METHOD
1 Temperature of emission (°C)	: 126	EPA Part 2
2 Barometric pressure (mm of Hg)	: 754	EPA Part 2
3 Velocity of gas (m/sec)	: 9.26	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 77536	EPA Part 2
5 Concentration of Carbon monoxide(%v/v)	: <0.2	IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide(%v/v)	: 11.2	IS:13270-1992, Reaf : 2017
6 Concentration of Oxygen(%v/v)	: 8.4	IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur Dioxide (mg/Nm ³)	: 37.5 at 6% O ₂	EPA Part 6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 26.9 at 6% O ₂	EPA Part 7
9 Concentration of Particulate Matter (mg/Nm ³)	: 22.2 at 6% O ₂	EPA Part 5
E : Pollution Control Device :		
Details of pollution control devices attached with the stack : ESP		
F : Remarks: Nil		

Report Prepared By:

for Qualissure Laboratory Services
 Reviewed & Authorized By

 Benimadhab Gorai, Chemist
 (Authorized Signatory)

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

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**WEST BENGAL POLLUTION CONTROL BOARD****Haldia Regional Laboratory**

Raghunathchak, P.O.-Barghasipur, P.S.-Bhabanipur

Haldia, Purba Medinipur – 721 657

Tel: (03224) 291292

Analysis Report of Gaseous Emission**Sample ID : 070220240405**

1. Name of Industry	: M/s. Orissa Metaliks Pvt. Ltd. (Unit-I)
2. Address	: Gokulpur, Shyamraipur, Kharagpur
3. Category & Type	: Red, Sponge Iron
4. Sampling Date	: 06/02/2024
5. Sampled collected by	: Shri N. C. Baral, AEE & Shri P. Mukherjee, JEE
6. Thimble Number	: 757
7. Name of WBPCB Recognized Laboratory	: M/s. Envirocheck
8. Duration of Sampling	: 25 min
9. Height of Stack from ground (m)	: 60.0
10. Cross section of stack at sampling point (m ²)	: 3.29
11. Stack connected to	: Rotary Kiln No.9 through WHRB
12. Emission source (Furnace / Boiler)	: Combustion of Coal & Dolochar
13. Average operational hours of boiler/furnace (per month)	: 720 hrs.
14. APC System (if any)	: ESP
15. Working load of source (MT/hr.)	: 480 TPD
16. Fuel used	: Coal & Dolochar
17. Rated Fuel consumption (Kg or L/hr.)	: -
18. Working Fuel consumption (Kg or L/hr.)	: Coal – 18 TPH, Pellet-27.75 TPH, Dolochar-14 TPH
19. Nature of Furnace / Boiler	: -
20. Flue Gas Temp (°C)	: 163.7
21. Flue gas velocity (m/sec)	: 13.48
22. Volume of Flue gas drawn in lit (m ³)	: 1.00
23. Corrected flue gas volume (Nm ³)	: 0.9524
24. Percentage CO ₂ and or O ₂	: CO ₂ – 10.2% & O ₂ – 8.8%
25. To be compensated at (% , if required)	: At 12% CO ₂
26. Initial weight of Thimble (g)	: 1.5145
27. Final weight of Thimble (g)	: 1.5222
28. Weight of Particulate Matter (mg)	: 7.70
29. Particulate Matter (mg/Nm ³)	: 9.51 at 12% CO ₂
30. Barometric Pressure Head in mm of Hg	: 756 mm of Hg
31. Diameter of the nozzle (mm)	: 9.53 mm
32. Others	: -

Date of Reporting : 21/02/2024
Env. Analyst
Scientist 21/02/2024Copy to : 1. OSD (O&E)
3. Chief Scientist2. Chief Engineer (Planning)
4. Haldia Regional Office (2 copies)



Analysis Report of Gaseous Emission

Sample ID : 070220240406

1.	Name of Industry	: M/s. Orissa Metallks Pvt. Ltd. (Unit-I)
2.	Address	: Gokulpur, Shyamralpur, Kharagpur
3.	Category & Type	: Red, Sponge Iron
4.	Sampling Date	: 06/02/2024
5.	Sampled collected by	: Shri N C Barai, AEE & Shri P. Mukherjee, JEE
6.	Thimble Number	: 758
7.	Name of WBPCB Recognized Laboratory	: M/s Envirocheck
8.	Duration of Sampling	: 42 min
9.	Height of Stack from ground (m)	: 60.0
10.	Cross section of stack at sampling point (m ²)	: 8.045
11.	Stack connected to	: Rotary Kiln No. 7 & 8 through WHRB
12.	Emission source (Furnace / Boiler)	: Combustion of Coal & Dolochar
13.	Average operational hours of boiler/furnace (per month)	: 720 hrs.
14.	APC System (if any)	: ESP
15.	Working load of source (MT/hr.)	: No.7- 350 TPD & No.-8 - 630 TPD
16.	Fuel used	: Coal & Dolochar
17.	Rated Fuel consumption (Kg or L/hr.)	: -
18.	Working Fuel consumption (Kg or L/hr.)	: Coal- 9.3 TPH, Fe Ore -3.0 TPH, Dolochar-15.0 TPH
19.	Nature of Furnace / Boiler	: -
20.	Flue Gas Temp (°C)	: 155.7
21.	Flue gas velocity (m/sec)	: 17.03
22.	Volume of Flue gas drawn in lit (m ³)	: 1.008
23.	Corrected flue gas volume (Nm ³)	: 0.9731
24.	Percentage CO ₂ and or O ₂	: CO ₂ – 10.8% & O ₂ – 8.0%
25.	To be compensated at (% , if required)	: At 12% CO ₂
26.	Initial weight of Thimble (g)	: 1.4712
27.	Final weight of Thimble (g)	: 1.4875
28.	Weight of Particulate Matter (mg)	: 16.30
29.	Particulate Matter (mg/Nm ³)	: 18.61 at 12% CO ₂
30.	Barometric Pressure Head in mm of Hg	: 756 mm of Hg
31.	Diameter of the nozzle (mm)	: 6.35 mm
32.	Others	: -

Date of Reporting : 21/02/2024

Amshayan
Haldia Office
Env. Analyst

M. 21/02/2024
Scientist

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

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



Analysis Report of Gaseous Emission

Sample ID : 070220240407

1. Name of Industry	:	M/s. Orissa Metaliks Pvt Ltd (Unit-I)
2. Address	:	Gokulpur, Shyamraipur, Kharagpur
3. Category & Type	:	Red, Sponge Iron
4. Sampling Date	:	06/02/2024
5. Sampled collected by	:	Shri N. C. Barai, AEE & Shri P. Mukherjee, JEE
6. Thimble Number	:	759
7. Name of WBPCB Recognized Laboratory	:	M/s Envirocheck
8. Duration of Sampling	:	27 min
9. Height of Stack from ground (m)	:	52.0
10. Cross section of stack at sampling point (m ²)	:	3.14
11. Stack connected to	:	Rotary Kiln No. 1 & 2 attached
12. Emission source (Furnace / Boiler)	:	Coal & Fe Ore
13. Average operational hours of boiler/furnace (per month)	:	-
14. APC System (if any)	:	ESP
15. Working load of source (MT/hr.)	:	100 TPD
16. Fuel used	:	Coal & Fe Ore
17. Rated Fuel consumption (Kg or L/hr.)	:	-
18. Working Fuel consumption (Kg or L/hr.)	:	Coal- 3.5 TPH, Fe Ore -5.8 TPH
19. Nature of Furnace / Boiler	:	-
20. Flue Gas Temp (°C)	:	140.7
21. Flue gas velocity (m/sec)	:	12.23
22. Volume of Flue gas drawn in lit (m ³)	:	1.026
23. Corrected flue gas volume (Nm ³)	:	0.9772
24. Percentage CO ₂ and or O ₂	:	CO ₂ - 9.4% & O ₂ - 10.2%
25. To be compensated at (% if required)	:	At 12% CO ₂
26. Initial weight of Thimble (g)	:	1.4769
27. Final weight of Thimble (g)	:	1.4939
28. Weight of Particulate Matter (mg)	:	17.00
29. Particulate Matter (mg/Nm ³)	:	22.21 at 12% CO ₂
30. Barometric Pressure Head in mm of Hg	:	756 mm of Hg
31. Diameter of the nozzle (mm)	:	9.53 mm
32. Others	:	-

Date of Reporting : 21/02/2024

Prabakaran Chatterjee
Env. Analyst

Dr. 21/02/2024
Scientist

Copy to

- : 1. OSD (O&E)
3. Chief Scientist

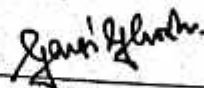
2. Chief Engineer (Planning)
4. Haldia Regional Office (2 copies)


Analysis Report of Gaseous Emission

Sample ID : 171120230327

1. Name of Industry	: M/s. Orissa Metallks Pvt. Ltd. (Unit-I)
2. Address	: Vill-Gokulpur, P.O.-Shyamraipur, Kharagpur, Dist- Paschim Medinipur
3. Category & Type	: Red / Sponge Iron Unit
4. Sampling Date	: 10/11/2023
5. Sampled collected by	: S. Mukherjee (JEE), HRO
6. Thimble Number	: 679
7. Name of WBPCB Recognized Laboratory	: M/s. Enviro Cell Laboratory
8. Duration of Sampling	: 40 min
9. Height of Stack from ground (m)	: 52.0
10. Cross section of stack at sampling point (m ²)	: 3.14
11. Stack connected to	: Rotary Kiln-5 & 6 through WHRB (Attached with Common stack), (During sampling both were in running condition)
12. Emission source (Furnace / Boiler)	: Oxidation of coal & reduction of iron Ore
13. Average operational hours of boiler/furnace (per month)	: 720 hrs./month
14. APC System (if any)	: ESP
15. Working load of source (MT/hr.)	: 100 TPD (each Kiln) (Both were running at sampling time)
16. Fuel used	: Coal
17. Rated Fuel consumption (Kg or L/hr.)	: 4.0 TPH (each Kiln)
18. Working Fuel consumption (Kg or L/hr.)	: 4.0 TPH (each Kiln)
19. Nature of Furnace / Boiler	: Rotary kiln
20. Flue Gas Temp (°C)	: 144.0
21. Flue gas velocity (m/sec)	: 7.82
22. Volume of Flue gas drawn in lit (m ³)	: 1.04
23. Corrected flue gas volume (Nm ³)	: 1.0121
24. Percentage CO ₂ and or O ₂	: CO ₂ - 9.6% & O ₂ -10.0%
25. To be compensated at (% , if required)	: At 12% CO ₂
26. Initial weight of Thimble (g)	: 1.5042
27. Final weight of Thimble (g)	: 1.5249
28. Weight of Particulate Matter (mg)	: 20.70
29. Particulate Matter (mg/Nm ³)	: 25.57 at 12% CO ₂
30. Barometric Pressure Head in mm of Hg	: 757 mm of Hg
31. Diameter of the nozzle (mm)	: 9.53 mm
32. Others	: -

Date of Reporting : 24/11/2023


Scientist


Senior Scientist

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

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



WEST BENGAL POLLUTION CONTROL BOARD

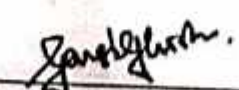
Haldia Regional Laboratory
Raghunathchak, P.O.-Barghasipur, P.S.-Bhabanly
Haldia, Purba Medinipur - 721 6
Tel: (03224) 2912


Analysis Report of Gaseous Emission

Sample ID : 1711202303

1. Name of Industry	: M/s. Orissa Metallks Pvt. Ltd. (Unit-I)
2. Address	: Vill-Gokulpur, P.O.-Shyamraipur, Kharagpur, Dist- Paschim Medinipur
3. Category & Type	: Red / Sponge Iron Unit
4. Sampling Date	: 10/11/2023
5. Sampled collected by	: S. Mukherjee (JEE), HRO
6. Thimble Number	: 681
7. Name of WBPCB Recognized Laboratory	: M/s. Enviro Cell Laboratory
8. Duration of Sampling	: 42 min
9. Height of Stack from ground (m)	: 52.0
10. Cross section of stack at sampling point (m ²)	: 3.14
11. Stack connected to	: Rotary Kiln- 1 & 2 through WHRB (Attached with Common stack), (Both kiln were running at sampling time)
12. Emission source (Furnace / Boiler)	: Oxidation of coal & reduction of iron Ore
13. Average operational hours of boiler/furnace (per month)	: 720 hrs./month
14. APC System (if any)	: ESP
15. Working load of source (MT/hr.)	: 100 TPD (each Kiln)
16. Fuel used	: Coal
17. Rated Fuel consumption (Kg or L/hr.)	: 4.0 TPH (each Kiln)
18. Working Fuel consumption (Kg or L/hr.)	: 4.0 TPH (each Kiln)
19. Nature of Furnace / Boiler	: Rotary kiln
20. Flue Gas Temp (°C)	: 142.0
21. Flue gas velocity (m/sec)	: 7.06
22. Volume of Flue gas drawn in lit (m ³)	: 1.008
23. Corrected flue gas volume (Nm ³)	: 0.9809
24. Percentage CO ₂ and or O ₂	: CO ₂ - 9.4% & O ₂ -10.2%
25. To be compensated at (% , if required)	: At 12% CO ₂
26. Initial weight of Thimble (g)	: 1.4836
27. Final weight of Thimble (g)	: 1.4986
28. Weight of Particulate Matter (mg)	: 15.00
29. Particulate Matter (mg/Nm ³)	: 19.52 at 12% CO ₂
30. Barometric Pressure Head in mm of Hg	: 757 mm of Hg
31. Diameter of the nozzle (mm)	: 9.53 mm
32. Others	: -

Date of Reporting : 24/11/2023


Scientist


Senior Scientist

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

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



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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/20
	Date	: 19.04.2024
	Sample No.	: QLS/P-33/23-24/20-23
	Sample Description	: Fugitive Air Monitoring
	Date of performance	: 20.03.2024-23.03.2024
Ref No. Date	: Q124379371;Dated-02.02.2024	

Analysis Result of Fugitive Air

Sampling Done by: C.Sahoo			
Environmental Condition : Clear & Sunny			
Sampling done as per : CPCB Guidelines (Volume-1)			
Sample No.	Location	Date of Sampling	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$
20	DRI Plant Area	18.03.2024	350
21	CPP Area		321
22	Near Fly Ash Silo Area		576
23	Truck Parking Area		252
NOTE: Fugitive emission Standard - 2000 $\mu\text{g}/\text{m}^3$			

Report Prepared By:

 for Qualissure Laboratory Services
 Reviewed & Authorized By

 Benimadhab Gorai, Chemist
 (Authorized Signatory)


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WEST BENGAL POLLUTION CONTROL BOARD

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

Analysis Report of Ambient Air Quality Monitoring Inside Industry

Analysis Done at Haldia Regional Laboratory:

1. Name of Industry	M/s. Orissa Metaliks Pvt Ltd. (Unit-I)
2. Address	Shyamraipur, Kharagpur, Paschim Medinipur
3. Type of the Industry	Red
4. Sampling Location	Infront of Kiln No.-9 (Emergency Gate)
5. Sampling Date	06/02/2024
6. Total Time of Sampling (min)	300 min

Sampling & Calculation of PM₁₀

1. Filter Paper No.	75
2. Initial Weight (gm)	2.8482
3. Final Weight (gm)	3.1394
4. Weight difference (gm)	0.2912
5. Air Volume (m ³)	383.93
6. Particulate Matter PM ₁₀ (µg/m ³)	758.47

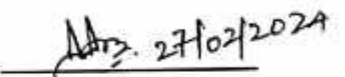
Sampling & Calculation of TSPM

1. Dust Container No.	01
2. Initial Weight(gm)	16.2051
3. Final Weight(gm)	16.4013
4. Container Weight difference (gm)	0.1962
5. Filter Paper Weight difference (gm)	0.2912
6. Total Weight difference(gm)	0.4874
7. Air Volume (m ³)	383.93
8. Particulate Matter TSPM (µg/m ³)	1269.50
9. Sampled by:	Shri N. C. Barai, AEE & Shri P. Mukherjee, JEE

Date of Reporting

: 27/02/2024


Env. Analyst


27/02/2024
Scientist & In-Charge

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

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



WEST BENGAL POLLUTION CONTROL BOARD

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

Analysis Report of Ambient Air Quality Monitoring Inside Industry

1. Name of Industry	M/s. Orissa Metaliks Pvt Ltd.
2. Address	Gokulpur, Shyamraipur, Kharagpur
3. Type of the Industry	Red
4. Sampling Location	Automobile Area (Eastern Boundary)
5. Sampling Date	06/02/2024
6. Total Time of Sampling (min)	240 min
Sampling & Calculation of PM₁₀	
1. Filter Paper No.	79
2. Initial Weight (gm)	2.8042
3. Final Weight (gm)	2.8225
4. Weight difference (gm)	0.0183
5. Air Volume (m ³)	297.82
6. Particulate Matter PM ₁₀ (µg/m ³)	61.45
Sampling & Calculation of TSPM	
1. Dust Container No.	20
2. Initial Weight(gm)	16.1445
3. Final Weight(gm)	16.1597
4. Container Weight difference (gm)	0.0152
5. Filter Paper Weight difference (gm)	0.0183
6. Total Weight difference(gm)	0.0335
7. Air Volume (m ³)	297.82
8. Particulate Matter TSPM (µg/m ³)	112.48
9. Sampled by:	Shri N. C. Barai, AEE & Shri P. Mukherjee, JEE

Date of Reporting : 27/02/2024

Prasanna
Env. Analyst

Shri 27/02/2024
Scientist & In-Charge

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



WEST BENGAL POLLUTION CONTROL BOARD

Haldia Regional Laboratory
Raghunathchok, P.O.-Barghasipur, P.S.-Bhabanipur
Haldia, Purba Medinipur - 721 657
Tel: (03224) 291202

Analysis Report of Ambient Air Quality Monitoring Inside Industry

Analysis Done at Haldia Regional Laboratory:

1. Name of Industry	M/s. Orissa Metaliks Pvt Ltd.
2. Address	Gokulpur, Shyamraipur, Kharagpur
3. Type of the Industry	Red
4. Sampling Location	Gokulpur Gate
5. Sampling Date	06/02/2024
6. Total Time of Sampling (min)	240 min

Sampling & Calculation of PM₁₀

1. Filter Paper No.	78
2. Initial Weight (gm)	2.8138
3. Final Weight (gm)	2.8585
4. Weight difference (gm)	0.0447
5. Air Volume (m ³)	295.39
6. Particulate Matter PM ₁₀ (µg/m ³)	151.32

Sampling & Calculation of TSPM

1. Dust Container No.	A
2. Initial Weight(gm)	17.0236
3. Final Weight(gm)	17.0631
4. Container Weight difference (gm)	0.0395
5. Filter Paper Weight difference (gm)	0.0447
6. Total Weight difference(gm)	0.0842
7. Air Volume (m ³)	295.39
8. Particulate Matter TSPM (µg/m ³)	285.05
9. Sampled by:	Shri N. C. Barai, AEE & Shri P Mukherjee, JEE

Date of Reporting : 27/02/2024

Shri P Mukherjee
Env. Analyst

Shri N. C. Barai
27/02/2024
Scientist & In-Charge

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



TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd. Mouza-Mathurakismat ,Vill- Gokulpur, P.O- Shyamraipur, P.S-Kharagpur (L), Paschim Medinipur -721301, West Bengal.	Report No. : QLS/MR/A/23-24/C/1226 Date : 27.03.2024 Sample No. : QLS/MR/A/23-24/1226 Sample Description : Fugitive Air Date of performance : 23-27.03.2024 Ref No. & Date : O124380232, Dated-19.03.2024
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Analysis Result of Fugitive Air

Sampling Done by: C.Sahoo			
Environmental Condition : Clear & Sunny			
Sampling done as per : CPCB Guidelines (Volume-1)			
Sample No.	Location	Date of Sampling	Total Particulate Matter in $\mu\text{g}/\text{m}^3$
01	Near Rotary Kiln No - 9 (Emergency Gate)	22.03.2024	276
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

Report Prepared By:

Rasakar

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai
Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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Qualissure Laboratory Services

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/P-33/23-24/C/32
M/s. Orissa Metaliks Pvt. Ltd.(Unit I)	Date	: 27.04.2024
Mouza- Mathurakismat & Amba,	Sample No.	: QLS/P-33/23-24/C/32
Vill- Gokulpur, P.O- Shyamraipur,	Sample Description	: Leachate
P.S- Kharagpur (L), Paschim Medinipur- 721301,	Sample Location	: Dolochar
West Bengal.	Period Of Analysis	: 19.03.2024
	Sample Drawn On	: 21.03.2024-01.04.2024
	Ref No. Date	: O124379371; Dated-02.02.2024

Analysis Result

Sl. No.	Parameters	Test Method	Result	Limit as per Hazardous & Other waste (management and Transboundary Movement Rules) Schedule-2
1.	Zinc (as Zn) in mg/l	APHA 24th Edition-2023, 3111 B	0.59	250
2.	Lead (as Pb) in mg/l	APHA 24th Edition-2023, 3111 B	0.45	5.0
3.	Copper (as Cu) in mg/l	APHA 24th Edition-2023, 3111 B	0.38	25.0
4.	Cobalt (as Co) in mg/l	APHA 24th Edition-2023, 3111 B	0.24	80.0
5.	Nickel (as Ni) in mg/l	APHA 24th Edition-2023, 3111 B	0.76	20.0
6.	Arsenic (as As) in mg/l	APHA 24th Edition-2017, 3114 B	<0.01	5.0
7.	Mercury (as Hg) in mg/l	APHA 24th Edition-2023, 3111 B	<0.001	0.2
8.	Total Chromium (as Cr) in mg/l	APHA 24th Edition-2017, 3111B Cr	0.48	5.0
9.	Manganese (as Mn) in mg/l	APHA 24th Edition-2023, 3111 B	1.29	10.0

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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

1	a) Name of the Project :	M/s. Orissa Metaliks Pvt. Ltd. (Unit-I) - Sponge Iron Plant (6 × 100 + 1 × 350 + 1 × 500 + 1 × 600 TPD)- 7,80,000 TPA along with 83 MW captive power plant (WHRB - 52 Mw + AFBC - 6 MW + CFBC - 25 MW)				
	b) Environment Clearance Nos. :	File No. J-11011/229/2007-IA.II(I), Dated: 12/06/2008, 10/12/2008, 12/02/2015, 06/01/2017, 30/08/2018 & 26/12/2019				
2	Location, Block/ Sub. Div./ Dist./ State:	Mouza – Mathurakismat & Amba, Village - Gokulpur, P.O. - Shyamraipur, P.S. - Kharagpur, District - Paschim Medinipur, West Bengal				
3	Address for communication :	1, Grastin Place, Orbit House, 3rd Floor, Room No - 3B, Kolkata - 700 001				
4	Existing Vegetation in the area/ region :		Industrial Land			
	a) Species (trees/shrubs/grasses/climbers)	NA				
	b) Major prevalent species of each type	NA				
5	Land Coverage by the project					
	a) Total area under the project	40 Acres				
	b) Area covered for basic infrastructure (roads/building/factory etc.)	26.8 Acres				
6	Details about natural vegetation		Industrial Land			
	a) Name and number of tree/species failed	NA				
	b) Name and number of plant species still available in the area	NA				
	c) By protecting the area will indigenous stock come up	NA				
	d) Extend of greenbelt developed	13.2 Acres (33%)				
7	Plantation required to be carried out as per					
	a) Conditions of Environmental Clearance in ha./Nos.	13.2 Acres (33%)				
	b) Conditions for forest act (c) Clearance in ha./Nos.	NA				
	c) Voluntary in no. for green belt development in nearby area	---				
8	Details of Plantation					
	a)		Year of Plantation	Species Planted		Quantity
				Krishnachura		200
				Sonajhuri		200
				Yellow Oleander		118
				Nerium		52
				Areca Palm		15
				Conocarpus		252
				Sisoo		29
	Chhatim		134			
b)	Plantation Details (Category wise & methodology used)	Before 2020	2020-21	2021-22	2022-23	2023-24
		9500	10000	3500	3265	1000
		7545	9300	3255	3036	950



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

		--	93%	93%	93%	95%
9	Agency carrying out plantation and maintenance	Self				
10	Financial details (year wise) plantation wise and item wise	Survival of Plantation	Year	Funds allocated (Rupees)	Expenditure made including voluntarily tree plantation cost (Rupees)	
		Total seeding / Plantation (No.)	2023-2024	3,50,000	3,25,200	



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

PHOTOGRAPH



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



CAAQMS DATA (OCOPER 2023 to MARCH 2024)

LOCATION : KALYANPUR VILLAGE

Parameters : PM 2.5



LOCATION : KALYANPUR VILLAGE

Parameters : PM 10



LOCATION : KALYANPUR VILLAGE

Parameters : SO2



LOCATION : KALYANPUR VILLAGE

Parameters : NOx



LOCATION : RAJOGRAM

Parameters : PM2.5



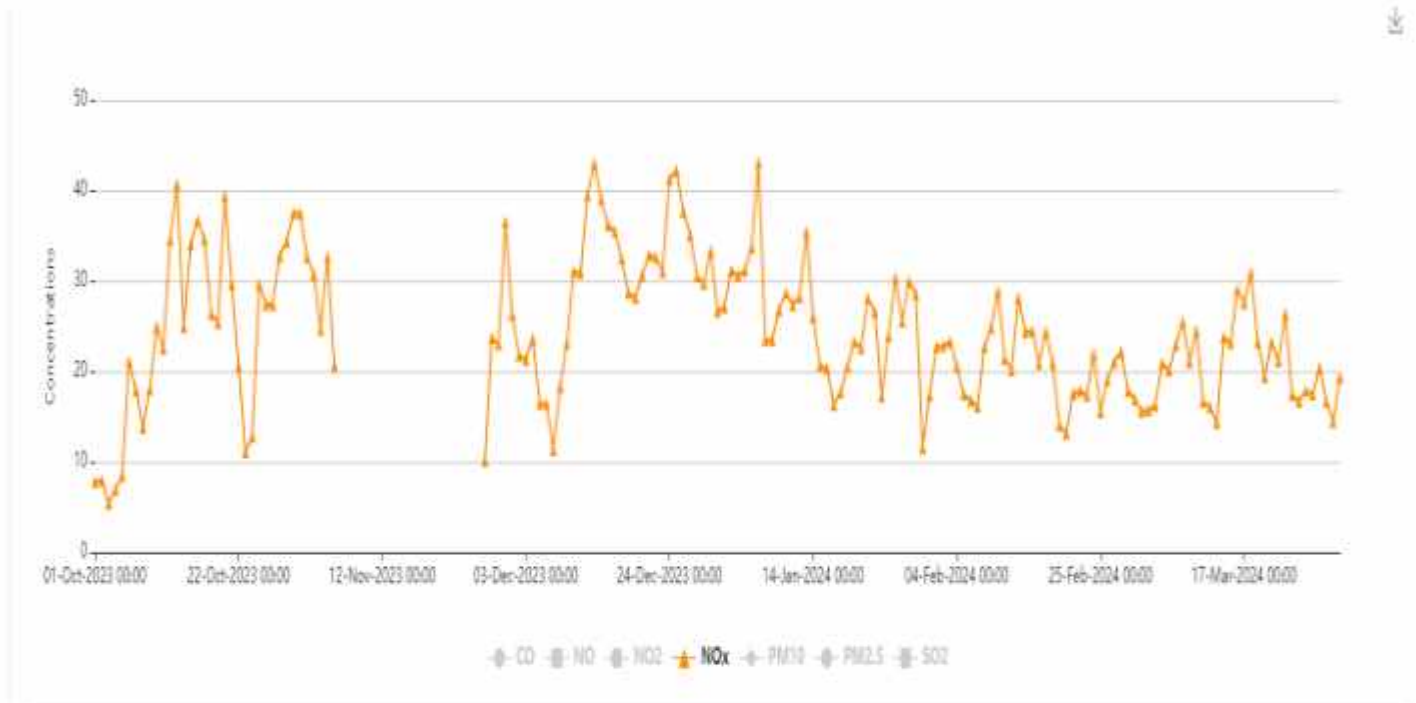
LOCATION : RAJOGRAM

Parameters : SO2



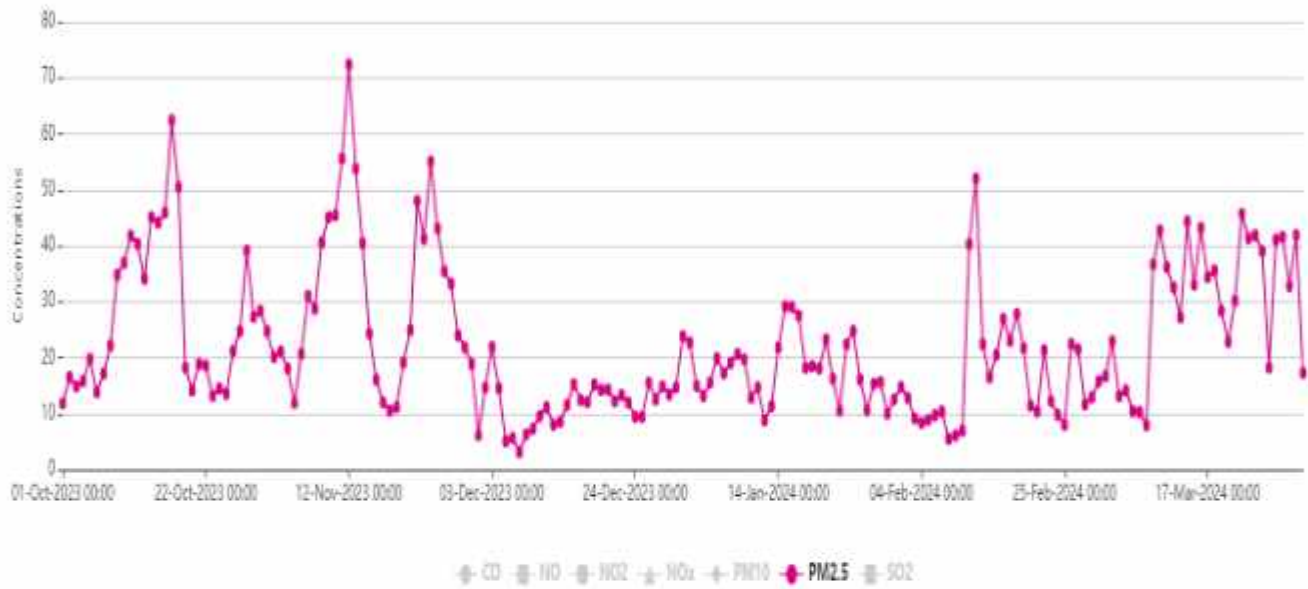
LOCATION : RAJOGGRAM

Parameters : NOx



LOCATION : BARKOLA

Parameters : PM2.5



LOCATION : BARKOLA

Parameters : SO2



LOCATION : BARKOLA

Parameters : NOx



LOCATION : BARKOLA

Parameters : CO



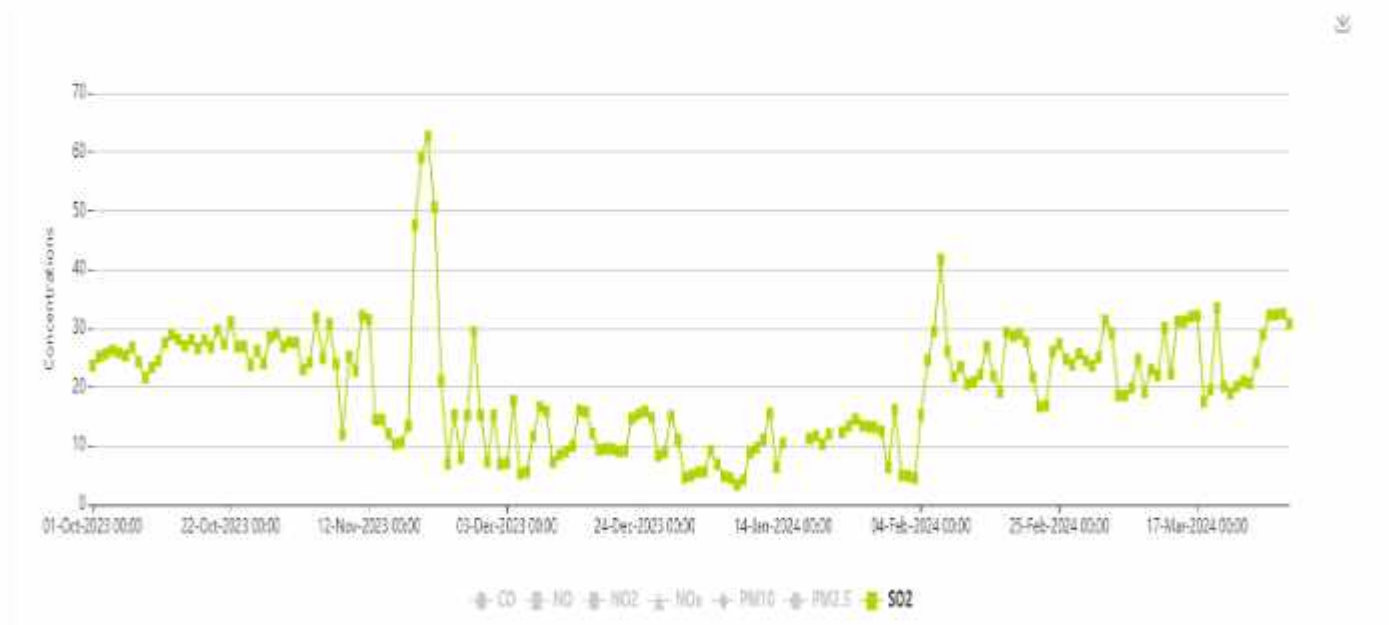
LOCATION : PANCHRULIA

Parameters : PM 2.5



LOCATION : PANCHRULIA

Parameters : SO2



LOCATION : PANCHRULIA

Parameters : NOx

10



LOCATION : PANCHRULIA

Parameters : CO

15





TEST REPORT

Name & Address Of the Customer :	ULR No. : TC62712400000529F
M/s. Orissa Metaliks Pvt. Ltd.(Unit I)	Report No. : QLS/P-33/23-24/C/26
Mouza- Mathurakismat & Amba,	Date : 27.04.2024
Vill- Gokulpur, P.O- Shyamraipur,	Sample No. : QLS/P-33/23-24/C/26
P.S- Kharagpur (L), Paschim Medinipur-	Sample Description : Ground Water
721301, West Bengal.	Sample Mark : Tap Near DRI Plant
	Sample Drawn On : 19.03.2024
	Date of performance : 21.03.2024-01.04.2024
	Ref No. Date : O124379371; Dated-02.02.2024

Analysis Result

(A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500; 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E. Coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS-3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.23
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	386
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	45.0
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	77.4
10.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2019)	0.05	1.5	<0.02
11.	Fluoride(as F) in mg/l	APHA 24 th Edition 2023, 4500 F D	1.0	1.5	0.19
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2019)	1.0	No Relaxation	0.33
14.	Magnesium(as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg B	30	100	14.0
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.02
16.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	45	No Relaxation	0.71
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	31.6
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	163.8
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	170.7
20.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide(as Cn) in mg/l	IS 3025 (Part 27): 1986(RA 2019)	0.05	No Relaxation	<0.02
22.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	<0.02
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

for Qualissure Laboratory Services
 Reviewed & Authorized By

S. Chakraborty
 Soumy Chakraborty, Microbiologist
 (Authorized Signatory)



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 I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	ULR No.	: TC62712400000530F
	Report No.	: QLS/P-33/23-24/C/27
	Date	: 27.04.2024
	Sample No.	: QLS/P-33/23-24/C/27
	Sample Description	: Ground Water
	Sample Mark	: Tap Near CPP
	Sample Drawn On	: 19.03.2024
	Date of performance	: 21.03.2024-01.04.2024
	Ref No. Date	: O124379371; Dated-02.02.2024

Analysis Result

(A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500; 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected
2.	E. Coli/100ml	Not Detectable	IS 15185-2016 (RA 2021)	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 2021	5	15	<5
2.	Odour	IS 3025 (Part 5): 2022	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 2022	6.5-8.5	No Relaxation	7.18
4.	Turbidity in NTU	IS 3025 (Part 10): 2023	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	362
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2019)	0.03	0.2	<0.01
7.	Ammonia (as NH ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	0.5	No Relaxation	<0.5
8.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 2023	75	200	40.4
9.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	68.5
10.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2019)	0.05	1.5	<0.02
11.	Fluoride(as F) in mg/l	APHA 24 th Edition 2023, 4500 F D	1.0	1.5	0.23
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 2021	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2019)	1.0	No Relaxation	0.30
14.	Magnesium(as Mg) in mg/l	APHA 24 th Edition 2023, 3500 Mg B	30	100	17.9
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2023	0.1	0.3	<0.02
16.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2019)	45	No Relaxation	0.58
17.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec1, 2022	200	400	27.2
18.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	147.0
19.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA 2019)	200	600	178.5
20.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 2023	0.003	No Relaxation	<0.002
21.	Cyanide(as Cn) in mg/l	IS 3025 (Part 27): 1986(RA 2019)	0.05	No Relaxation	<0.02
22.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2019)	0.01	No Relaxation	<0.01
23.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2019)	0.001	No Relaxation	<0.001
24.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 2022	0.01	No Relaxation	<0.01
25.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2019)	5	15	<0.02
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2019)	0.05	No Relaxation	<0.05

Report Prepared By:

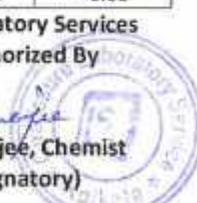
for Qualissure Laboratory Services
 Reviewed & Authorized By

S. Chakraborty
 Soumy Chakraborty, Microbiologist
 (Authorized Signatory)



for Qualissure Laboratory Services
 Reviewed & Authorized By

Bishnupriya Banerjee
 Bishnupriya Banerjee, Chemist
 (Authorized Signatory)



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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No. : QLS/P-33/23-24/C/28 Date : 27.04.2024 Sample No. : QLS/P-33/23-24/C/28 Sample Description : Effluent Sample Mark : ETP Inlet Sample Drawn On : 19.03.2024 Date of Performance : 21.03.2024-01.04.2024 Ref No. Date : O124379371; Dated-02.02.2024
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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+	5.91	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	66	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	235	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	56	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	7.6	10	20

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)



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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, VIII- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/29
	Date	: 27.04.2024
	Sample No.	: QLS/P-33/23-24/C/29
	Sample Description	: Effluent
	Sample Mark	: ETP Outlet
	Sample Drawn On	: 19.03.2024
Date of Performance	: 21.03.2024-01.04.2024	
Ref No. Date	: O124379371; Dated-02.02.2024	

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° C	APHA 24 th Edition-2023, 4500 H+	7.34	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	16	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	59	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	17	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	3.1	10	20

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)



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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/30
	Date	: 27.04.2024
	Sample No.	: QLS/P-33/23-24/C/30
	Sample Description	: STP Water
	Sample Mark	: STP Inlet
	Sample Drawn On	: 19.03.2024
	Date of Performance	: 21.03.2024-01.04.2024
Ref No. Date	: O124379371; Dated-02.02.2024	

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+	7.44	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	86	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	255	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	70	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	14.3	10	20

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)



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

TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No. : QLS/P-33/23-24/C/31 Date : 27.04.2024 Sample No. : QLS/P-33/23-24/C/31 Sample Description : STP Water Sample Mark : STP Outlet Sample Drawn On : 21.03.2023 Date of Performance : 22.03.2023-27.03.2023 Ref No. Date : O124379371; Dated-02.02.2024
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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° C	APHA 24 th Edition-2023, 4500 H+	7.19	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	12	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	39	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	11	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	<1.4	10	20

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)



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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/24
	Date	: 19.04.2024
	Sample No.	: QLS/P-33/23-24/24(A-C)
	Sample Description	: Ambient Noise
	Date of performance	: 20.03.2023-24.03.2024
	Ref No. Date	: O124379371;Dated-02.02.2024

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	Leq dB Night
24A	18-19.03.2024	Near Plant Main Gate	63.0	50.2
24B		Gokulpur Village	54.3	44.8
24C		Amba Village	53.5	44.9

Report Prepared By:

Banjan

for Qualissure Laboratory Services
 Reviewed & Authorized By

Banjan
 Benimadhab Gorai, Chemist
 (Authorized Signatory)



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TEST REPORT

Name & Address Of the Customer : M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/25A
	Date	: 19.04.2024
	Sample No.	: QLS/P-33/23-24/25A
	Date Of Performance	: 20.03.2024-24.03.2024
	Sample Description	: Noise Monitoring
	Ref No. Date	: O124379371;Dated-02.02.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Near CPP Area			
Date of Monitoring : 18.03.2024-19.03.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
11.00-12.00	63.6	49.8	58.5
12.00-13.00	66.5	49.8	60.3
13.00-14.00	67.5	51.2	60.6
14.00-15.00	65.0	50.2	58.1
15.00-16.00	61.4	52.3	54.8
16.00-17.00	66.2	54.2	61.0
17.00-18.00	63.2	51.2	59.8
18.00-19.00	64.8	49.8	59.0
19.00-20.00	62.3	52.3	57.6
20.00-21.00	59.6	53.0	56.3
21.00-22.00	65.2	52.0	59.8
22.00-23.00	61.2	49.8	55.0
23.00-0.00	63.2	52.3	58.0
0.00-1.00	66.8	50.1	58.7
1.00-2.00	65.8	51.2	56.2
2.00-3.00	67.8	53.0	59.0
3.00-4.00	64.2	51.2	55.4
4.00-5.00	53.0	47.5	51.3
5.00-6.00	56.2	48.9	51.0
6.00-7.00	52.3	49.8	50.9
7.00-8.00	51.2	48.7	49.8
8.00-9.00	54.2	48.7	50.1
9.00-10.00	50.1	47.8	49.2
10.00-11.00	50.2	47.1	49.3
Leq dB Day Time	Leq dB Night Time	Average dB	
61.2	53.0	55.8	

Report Prepared By:

Barik

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 I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/25B
	Date	: 19.04.2024
	Sample No.	: QLS/P-33/23-24/25B
	Date Of Performance	: 20.03.2024-24.03.2024
	Sample Description	: Noise Monitoring
	Ref No. Date	: O124379371;Dated-02.02.2024

Monitoring Result of Noise

Sampling Done By: C.Sahoo			
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)			
Location : Between DRI Plant			
Date of Monitoring : 18.03.2024-19.03.2024			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
11.00-12.00	63.0	52.3	59.4
12.00-13.00	62.2	51.0	56.7
13.00-14.00	65.5	50.2	59.0
14.00-15.00	64.8	49.8	60.0
15.00-16.00	66.2	51.2	60.2
16.00-17.00	68.1	51.2	57.9
17.00-18.00	68.9	51.2	57.1
18.00-19.00	68.6	49.8	56.1
19.00-20.00	64.1	49.8	55.4
20.00-21.00	65.2	49.6	56.6
21.00-22.00	62.2	51.2	57.5
22.00-23.00	64.5	50.2	54.6
23.00-0.00	54.2	51.2	53.0
0.00-1.00	60.2	50.2	55.2
1.00-2.00	59.3	48.9	52.4
2.00-3.00	53.2	50.3	51.8
3.00-4.00	51.0	49.8	50.2
4.00-5.00	53.2	48.9	50.9
5.00-6.00	54.1	46.5	50.5
6.00-7.00	52.3	48.9	50.6
7.00-8.00	53.0	47.5	50.1
8.00-9.00	55.0	48.9	50.8
9.00-10.00	55.1	44.5	50.4
10.00-11.00	51.2	46.5	49.5
Leq dB Day Time	Leq dB Night Time	Average dB	
60.4	50.9	54.4	

Report Prepared By:

Barleah

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai
 Benimadhab Gorai, Chemist
 (Authorized Signatory)



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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		
1	A/C	BUENDRANATH DAS	M	49	MANAGER	04-03-13	30-09-23	Nb		OK
2	A/C	SOUMEN CHAKRABORTY	M	30	ASST. ACCOUNT	01-01-19	30-09-23	0/b		OK
3	A/C	BHALENDU PRAMANIK	M	22	ASST. ACCOUNT	04-05-22	30-09-23	0/b		OK
4	CIVIL	CHINMOY ACHARYA	M	43	MANAGER	19-09-18	30-09-23	Nb		OK
5	ENV. & P.	SUBHASIS MANNA	M	32	SR. OFFICER	15-01-19	30-09-23	0/b		OK
6	HR	RAJIB CHAKRABORTY	M	43	DY. MANAGER	29-09-15	30-09-23	Nb		OK
7	HR	SAKTI PRASAD	M	26	ASST.	15-12-22	30-09-23	0/b		OK
8	HR	SAIKAT GHOSAL	M	30	ASST. MANAGER	22-07-14	30-09-23	0/b		OK
9	HR	SUMAN MALICK	M	39	DY. MANAGER	18-11-13	30-09-23	0/b		OK
10	HR	DEBABRATA ADHIKARY	M	36	ASST.	10-08-20	30-09-23	0/b		OK
11	SAFETY	GURUPADA MAITY	M	26	ASST. FIRE SAFETY	07-06-21	30-09-23	0/b		OK
12	SAFETY	NARAYAN PAL	M	33	ASST. SAFETY	03-12-18	30-09-23	0/b		OK
13	SAFETY	MADAN PARAMANIK	M	24	ASST. SAFETY	06-01-20	30-09-23	0/b		OK
14	SAFETY	SUBHASIS KAR	M	22	ASST. FIRE SAFETY	21-05-21	30-09-23	0/b		OK
15	TIME OFFICE	RANA PRATAP SINGHA	M	42	TIME KEEPER	01-01-17	30-09-23	Nb		OK
16	TIME OFFICE	ABIR KHILARY	M	27	DRIVER	15-03-23	30-09-23	0/b		OK
17	TIME OFFICE	GOBINDA MAJI	M	33	DRIVER	22-11-22	30-09-23	0/b		OK
18	TIME OFFICE	PALAS MUNSHI	M	32	ASST. INCHARGE	01-09-15	30-09-23	0/b		OK
19	TIME OFFICE	RIJU SUTRADHAR	M	26	TIME KEEPER	11-12-19	30-09-23	0/b		OK
20	TIME OFFICE	JAYANTA MUKHERJEE	M	30	TIME KEEPER	24-06-23	30-09-23	0/b		OK
21	TIME OFFICE	SWAPAN SAREN	M	40	DRIVER	01-10-21	30-09-23	Nb		OK

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		
22	UTILITY	ABHIJIT NAYAK	M	29	OFFICER	19-05-19	30-09-23	0/b		OK
23	UTILITY	SANTI KARMAKAR	M	32	ASST	05-04-22	30-09-23	0/b	Dr. Sandip Sen	OK
24	UTILITY	NANDA MAHAKUR	M	55	CARPENTER	01-11-19	30-09-23	N6	Dr. Sandip Sen	OK
25	UTILITY	ARINDAM GHOSH	M	28	ASST. UTILITY	09-02-21	30-09-23	0/b	Dr. Sandip Sen	OK
26	UTILITY	MANOJ CHANDRA	M	26	ASST.	10-01-22	30-09-23	0/b	Dr. Sandip Sen	OK
27	AUTOMOBILE	SUJAN MAHATA	M	42	DRIVER	21-05-22	30-09-23	N6	Dr. Sandip Sen	OK
28	AUTOMOBILE	SUBHASH MAHATA	M	45	DRIVER	01-07-23	30-09-23	N6	Dr. Sandip Sen	OK
29	AUTOMOBILE	HRSIKESH MAHATA	M	25	DRIVER	17-05-23	30-09-23	0/b	Dr. Sandip Sen	OK
30	AUTOMOBILE	MANTU LAL MAHATA	M	55	DRIVER	06-06-22	30-09-23	N6	Dr. Sandip Sen	OK
31	AUTOMOBILE	RABIN MAHATA	M	52	DRIVER	22-12-10	30-09-23	N6	Dr. Sandip Sen	OK
32	AUTOMOBILE	B. GANESH RAO	M	36	DRIVER	14-07-21	30-09-23	0/b	Dr. Sandip Sen	OK
33	AUTOMOBILE	SURESH CHANDRA MAHATA	M	52	DRIVER	09-11-19	30-09-23	N6	Dr. Sandip Sen	OK
34	AUTOMOBILE	DEBABRATA PATRA	M	41	DRIVER	23-03-23	30-09-23	N6	Dr. Sandip Sen	OK
35	AUTOMOBILE	MUNSHI MURMU	M	45	DRIVER	14-08-23	30-09-23	N6	Dr. Sandip Sen	OK
36	AUTOMOBILE	KULDEEP YADAV	M	48	DRIVER	12-10-22	30-09-23	N6	Dr. Sandip Sen	OK
37	AUTOMOBILE	PRAKASH YADAV	M	51	DRIVER	01-03-22	30-09-23	N6	Dr. Sandip Sen	OK
38	AUTOMOBILE	LAXMAN JANA	M	47	DRIVER	03-05-22	30-09-23	N6		OK
39	AUTOMOBILE	BIBHAS KUMAR SINGH	M	37	DRIVER	06-04-21	30-09-23	0/b		OK
40	AUTOMOBILE	SHYAMAL KUMAR MAHATA	M	35	HYVA DRIVER	16.05.18	30-09-23	0/b		OK
41	AUTOMOBILE	SHIBARAM DAS	M	49	HYVA DRIVER	22.06.19	30-09-23	N6		OK
42	AUTOMOBILE	UMESH MUDI	M	46	HYVA DRIVER	24.08.19	30-09-23	N6		OK

FORM NO.17(A)

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		
43	AUTOMOBILE	BUJOY KUMAR RAJOYAR	M	40	HYVA DRIVER	03.09.19	30-09-23	N6		OK
44	AUTOMOBILE	TAPAS GANGULY	M	50	HYVA DRIVER	19.12.19	30-09-23	N6		OK
45	AUTOMOBILE	UPENDRANATH MAHATO	M	47	HYVA DRIVER	25.01.19	30-09-23	N6		OK
46	AUTOMOBILE	NIRANJAN KUMAR YADAV	M	29	HYVA DRIVER	01.02.20	30-09-23	b/b		OK
47	AUTOMOBILE	ARABINDRA SING	M	28	HYVA DRIVER	05.12.18	30-09-23	b/b		OK
48	AUTOMOBILE	TANMOY MAHATA	M	26	HYVA DRIVER	18.01.21	30-09-23	b/b		OK
49	AUTOMOBILE	BADAL DEBNATH	M	35	HYVA DRIVER	04.05.21	30-09-23	b/b		OK
50	STORE	HAREKRISHNA MAHATA	M	41	MANAGER	20-04-11	30-09-23	N6		OK
51	STORE	SUBRATA ROY CHOUDHURY	M	41	MANAGER	08-01-21	30-09-23	N6		OK
52	STORE	SOUVIK BASU	M	31	STORE OFFICER	01-12-22	30-09-23	b/b		OK
53	STORE	ARUP SHAW	M	37	STORE OFFICER	14-03-22	30-09-23	b/b		OK
54	STORE	PRASENJIT KUNDU	M	31	STORE OFFICER	16-12-14	30-09-23	b/b		OK
55	DISPATCH	SWARUP DAS	M	43	INCHARGE	06-05-13	30-09-23	N6		OK
56	DISPATCH	BARUN MAL	M	45	COMMERCIALIST	01-08-21	30-09-23	N6		OK
57	DISPATCH	SRIMANTA MUKHERJEE	M	39	ASST. OFFICER	02-07-19	30-09-23	b/b		OK
58	DM PLANT	ARUP BISUI	M	31	OPERATOR	07-12-18	30-09-23	b/b		OK
59	E & I	RAHUL CHATTERJEE	M	28	ENGINEER	07-01-19	30-09-23	b/b		OK
60	E & I	ABHIRAM MAITY	M	51	FOREMAN	03-10-18	30-09-23	N6		OK
61	ELECTRICAL	NARESH GHOSH	M	47	SR. MANAGER	02-07-17	30-09-23	N6		OK
62	ELECTRICAL	RAJ SEKHA RAO	M	45	ASST. MANAGER	10-01-22	30-09-23	N6		OK
63	ELECTRICAL	NIMAL KAYET	M	37	SR. ENGINEER	22-01-19	30-09-23	b/b		OK

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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		
64	ELECTRICAL	SOUVIK GHOSH	M	24	JR. ELECTRICIAN	10-10-19	30-09-23	0/0		OK
65	ELECTRICAL	SOUMEN PAL	M	35	ASST. CABLE OPERATOR	21-09-19	30-09-23	0/0		OK
66	MECHANICAL	PINTU MAITY	M	43	FITTER	05-08-21	30-09-23	N6	<i>Saudip Sen</i>	OK
67	MECHANICAL	VIDYASAGAR PATEL	M	45	FITTER	21-11-22	30-09-23	N6	<i>Saudip Sen</i>	OK
68	MECHANICAL	Y. N. MISHRA	M	54	DGM	09-08-16	30-09-23	N6	<i>Saudip Sen</i>	OK
69	MECHANICAL	CHANDAN KR MAITY	M	40	WELDER	07-11-22	30-09-23	N6	<i>Saudip Sen</i>	OK
70	MECHANICAL	JADAB KR GHORUI	M	50	SR. FITTER	23-08-16	30-09-23	N6	<i>Saudip Sen</i>	OK
71	MECHANICAL	KARAM MAHATA	M	43	SR. FOREMAN	01-12-16	30-09-23	N6	<i>Saudip Sen</i>	OK
72	MECHANICAL	BHASKAR GOPE	M	28	FITTER	15-12-22	30-09-23	0/0		OK
73	MECHANICAL	AMARENDRA MAITY	M	51	BOILER OPERATOR	03-03-22	30-09-23	N6	<i>Saudip Sen</i>	OK
74	MECHANICAL	RAJKUMAR GUBRI	M	24	BOILER OPERATOR	08-10-22	30-09-23	0/0		OK
75	OPERATION	DEBASISH DAS	M	33	ENGINEER	18-04-16	30-09-23	0/0		OK
76	ELECTRICAL	SAIKAT BHUNIA	M	30	ASST. ENGINEER	21-04-21	30-09-23	0/0		OK
77	ELECTRICAL	BISWAJIT KAR	M	42	DY. MANAGER	02-12-20	30-09-23	N6	<i>Saudip Sen</i>	OK
78	ELECTRICAL	DEBASIS MAHATA	M	23	JR. ELECTRICIAN	04-12-20	30-09-23	0/0		OK
79	LAB	SUMANTA DEY	M	37	CHEMIST	02-11-18	30-09-23	0/0		OK
80	LAB	SISIR GHOSH	M	46	SR. MANAGER	01-06-17	30-09-23	N6	<i>Saudip Sen</i>	OK
81	LAB	BISWAJIT PANDA	M	42	ASST. MANAGER	01-06-14	30-09-23	N6	<i>Saudip Sen</i>	OK
82	LAB	ASHOK PRASAD ROY	M	50	CHIF CHEMIST	21-04-19	30-09-23	N6		OK
83	MECHANICAL	PRAFULLA MAHAPATRA	M	44	FOREMAN	06-01-21	30-09-23	N6		OK
84	MECHANICAL	RAMAN KUMAR SHARMA	M	53	AVP	24-09-12	30-09-23	N6		OK

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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		
85	MECHANICAL	CHANDRA SEKHAR SARANG	M	43	DGM	20-07-19	30-09-23	N6		OK
86	MECHANICAL	MD. TARIQUE HUSSAIN	M	34	ASST. MANAGER	20-12-18	30-09-23	0/6		OK
87	MECHANICAL	LAXMIKANTA MONDAL	M	34	WELDER	01-05-18	30-09-23	0/6	Sandip Sen	OK
88	MECHANICAL	DOYARAM MAHATA	M	44	SR. FOREMAN	21-04-18	30-09-23	N6		OK
89	MECHANICAL	SWAPAN DHARA	M	47	FITTER	13-09-23	30-09-23	N6		OK
90	MECHANICAL	JOYDEV RAJAK	M	38	FITTER	11-09-23	30-09-23	0/6		OK
91	MECHANICAL	BISHNUPADA KUNAR	M	26	JR. FITTER	06-05-22	30-09-23	0/6		OK
92	MECHANICAL	ABHUIT MAPARU	M	22	JR. FITTER	14-11-22	30-09-23	0/6		OK
93	MECHANICAL	MADHUSUDHAN SASHMAL	M	41	FOREMAN	09-11-13	30-09-23	N6	Sandip Sen	OK
94	MECHANICAL	SANDIP KR. BHUNIA	M	28	ASST. FITTER	05-04-21	30-09-23	0/6		OK
95	MECHANICAL	HARIDAS ADHIKARY	M	35	ASST. FITTER	20-04-22	30-09-23	0/6		OK
96	PROCESS	NAGESWAR MONDAL	M	47	QRT	16-12-20	30-09-23	N6		OK
97	PROCESS	SISIR RANJAN LENKA	M	42	ASST. MANAGER	20-09-13	30-09-23	N6		OK
98	RMP	ANISH KHAN	M	27	ENGINEER	08-11-22	30-09-23	0/6		OK
99	RMP	BIKRAM MALLICK	M	37	AGM	11-08-19	30-09-23	0/6		OK
100	RMP	SUDARSHAN MAHATA	M	37	CRANE OPERATOR	20-10-22	30-09-23	0/6		OK
101	RMP	SUNIL HEMBRAM	M	24	CRANE OPERATOR	19-06-23	30-09-23	0/6		OK
102	RMP	SRIDHANT PARIDA	M	23	OPERATOR	06-05-21	30-09-23	0/6	Sandip Sen	OK
103	RMP	SANTOSH KUMAR BAL	M	21	OPERATOR	23-06-23	30-09-23	0/6		OK
104	RMP	NISHANT SINGH	M	30	ENGINEER	10-09-19	30-09-23	0/6		OK
105	RMP	PRADYUMNA BAL	M	29	ENGINEER	18-09-19	30-09-23	0/6		OK

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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		
106	RMP	MANISH KUMAR	M	27	CRANE OPERATOR	26-04-16	30-09-23	6/6		OK
107	RMP	SUDAMA YADAV	M	44	CRANE OPERATOR	09-01-20	30-09-23	N6		OK
108	MECHANICAL	NIGAMANANDA DEY	M	43	AGM	12-07-11	30-09-23	N6	Sanjay Sen	OK
109	PIPELINE	RASSANNA KR. MAHAPATRA	M	46	PUMP OPERATOR	19-05-22	30-09-23	N6	Dr. Sanjay Sen M.B.B.S. (CAL) D.O. (CAL) REGD No-48141 (WBMC)	OK
110	PIPELINE	AYUSH KR. DUBEY	M	22	SUPERVISOR	19-06-23	30-09-23	6/6		OK
111	CIVIL	SINTU SINHA	M	36	SUPERVISOR	21-05-18	01-10-23	6/6		OK
112	CIVIL	RAJ BARAI	M	28	ENGINEER	06-01-20	01-10-23	6/6		OK
113	COMMERCIAL	SUBHAJIT MAL	M	30	EXECUTIVE	25-11-21	01-10-23	6/6		OK
114	DESPATCH	S K BALA	M	29	SUPERVISOR	05-09-15	01-10-23	6/6		OK
115	ENV & P	NATABARA BISWAL	M	39	AGM	13.02.2019	01-10-23	6/6	Sanjay Sen	OK
116	ENV & P	BABAI KHAN	M	23	JR. ENGINEER	15.02.2022	01-10-23	6/6		OK
117	ENV & P	BHUJANGA N KARMAKAR	M	25	ENGINEER	10-07-20	01-10-23	6/6	Dr. Sanjay Sen M.B.B.S. (CAL) D.O. (CAL) REGD No-48141 (WBMC)	OK
118	ENV&P	B N KARMAKAR	M	25	ENGINEER	10-07-20	01-10-23	6/6		OK
119	ENV&P	SOURAV GHOSH	M	32	ASST. ENVIRONMENT	09.07.2021	01-10-23	6/6		OK
120	ENV. & P.	KAUSHIK DASGUPTA	M	32	OFFICER	09-08-21	01-10-23	6/6		OK
121	ENV. & P.	RAHUL DEY	M	23	ENV. ASST.	01-03-19	01-10-23	6/6		OK
122	ENV. & P.	SANTANU MISHRA	M	26	ENGINEER	26-06-20	01-10-23	6/6		OK
123	ENV. & P.	MANOJ KUMAR PRADHAN	M	36	SR. OFFICER	21-12-20	01-10-23	6/6	Sanjay Sen	OK
124	HR	G. ISWAR RAO	M	38	ASST. HR	02-07-18	01-10-23	6/6		OK
125	HR	BHOLA NAYEK	M	33	HOUKEEPER	20-05-19	01-10-23	6/6		OK
126	HR	PRIYAJIT BISWAS	M	26	TRAINEE	25-11-22	01-10-23	6/6		OK

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					Nature	Date of Employment	Date	Result		
127	HR	SOMNATH SAMANTA	M	31	HR ASSIST.	05-09-19	01-10-23	0/b		OK
128	HR	DEBOTOSH TEWARY	M		DGM	05.04.2013	01-10-23	0/b		OK
129	HR	SUMAN SAHOO	M	31	HR ASSIST.	06-10-22	01-10-23	0/b	Dr. Sandip Sin	OK
130	IT	DIPANJAN PAL	M	28	IT ASSISTANT	22-07-19	01-10-23	0/b	Dr. Sandip Sin	OK
131	IT	BISWAJIT MAHATA	M	28	IT ASSISTANT	01-03-17	01-10-23	0/b	Dr. Sandip Sin	OK
132	IT	SUMAN MAHATA	M	28	IT ASSISTANT	08-02-21	01-10-23	0/b	Dr. Sandip Sin	OK
133	SAFETY	HARPAL SINGH	M	35	ASST.MANAGER	12.06.2023	01-10-23	0/b	Dr. Sandip Sin	OK
134	STORE	SAYAN GHOSH	M	33	STORE KEEPER	10.02.2021	01-10-23	0/b	Dr. Sandip Sin	OK
135	STORE	AKASH KR. HALDAR	M	29	ASSISTANT	15.02.2023	01-10-23	0/b	Dr. Sandip Sin	OK
136	STORE	GOPAL PRASAD KAR	M	22	PUMP OPERATOR	05.08.2021	01-10-23	0/b		OK
137	STORE	DEBABRATA MAITY	M	26	PUMP OPERATOR	12.09.2022	01-10-23	0/b		OK
138	STORE	ABHJIT KAR	M	31	STORE ASSISTANT	23.05.2022	01-10-23	0/b	Dr. Sandip Sin	OK
139	TIME OFFICE	RAJIB MAHATA	M	36	DRIVER	19-04-18	01-10-23	0/b	Dr. Sandip Sin	OK
140	TIME OFFICE	BIKASH MANDAL	M	41	DRIVER	04-06-16	01-10-23	N6	Dr. Sandip Sin	OK
141	TIME OFFICE	PIJUSH KR. MAHATA	M	45	DRIVER	01-03-20	01-10-23	N6	Dr. Sandip Sin	OK
142	UTILITY	SANTANU DAS	M	24	ASSISTANT	21.08.2023	01-10-23	0/b		OK
143	UTILITY	YUGANK KUMAR	M	19	OPERATOR	20.09.2023	01-10-23	0/b		OK
144	AUTOMOBILE	GANESH RAJWAR	M	41	DRIVER	01-05-22	01-10-23	N6	Dr. Sandip Sin	OK
145	AUTOMOBILE	TAPAN RAJWAR	M	46	DRIVER	23-05-21	01-10-23	N6		OK
146	AUTOMOBILE	M.D.EHSANS	M	49	DRIVER	05-08-20	01-10-23	N6		OK
147	AUTOMOBILE	SHATRUGHAN TEWARY	M	23	DRIVER	05.09.2023	01-10-23	0/b		OK

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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		
148	AUTOMOBILE	SABIR ALI ANSARI	M	25	DRIVER	06.03.2019	01-10-23	6/6		OK
149	AUTOMOBILE	BASUDEB MAHATO	M	48	DRIVER	11.03.2011	01-10-23	N6		OK
150	AUTOMOBILE	BADAL JANA	M	33	DRIVER	02.07.2014	01-10-23	6/6		OK
151	STORE	JITEN CHAKRABORTY	M	40	OFFICER	25-04-23	01-10-23	N6		OK
152	STORE	SUMAN PATRA	M	25	PMI OPERATOR	11-05-21	01-10-23	6/6		OK
153	COMMERCIAL	B.VIJAY KUMAR	M	36	SR.OFFICER	06-06-22	01-10-23	6/6		OK
154	COMMERCIAL	SOUMITRA CHOUDHURY	M	41	ASST.MANAGER	08-08-23	01-10-23	N6		OK
155	COMMERCIAL	NIMAI KARAN	M	28	ASST.COMMERCIAL	25-03-23	01-10-23	6/6		OK
156	COMMERCIAL	MONTU ADHIKARI	M	23	ASSISTANT	23.05.2022	01-10-23	6/6		OK
157	COMMERCIAL	PRITOSH TEWARY	M	48	OFFICER	05-04-23	01-10-23	N6		OK
158	DESPATCH	RAJESH GHOSHAL	M	31	ASST. MANAGER	20-08-12	01-10-23	6/6		OK
159	DESPATCH	PULAKGIR MAHANTA	M	26	W. B. OPT	25-02-19	01-10-23	6/6		OK
160	DESPATCH	CHANCHAL GIRI	M	28	ASST. COMMERCIAL	28-10-14	01-10-23	6/6		OK
161	DESPATCH	KALIPADA DEY	M	38	W. B. OPT	24-05-22	01-10-23	6/6		OK
162	DESPATCH	AKASH BHUNIA	M	24	W. B. OPT	13-05-21	01-10-23	6/6		OK
163	DESPATCH	TUHOIN ROY	M	23	W. B. OPT	10-09-20	01-10-23	6/6		OK
164	DESPATCH	ABHISHEK TIWARI	M	34	OFFICER	17-06-14	01-10-23	6/6		OK
165	WEIGH BRIDGE	MANIK PRADGHAN	M	26	OPERATOR	10.07.2019	01-10-23	6/6		OK
166	BOILER OPERATOR	SUDIPTO MONDAL	M	27	OPERATOR	18-09-20	01-10-23	6/6		OK
167	CHP	RAMI MURMU	M	50	BELT JOINTER	15-03-19	01-10-23	N6		OK
168	CHP	PARTHASARATHI SEN	M	42	CHP OPERATOR	07-05-18	01-10-23	N6		OK

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					Nature	Date of Employment	Date	Result		
6	E&I	MITHUN KR. DEHURY	M	34	SR. ENGINEER	21-01-2019	01-10-23	0/b		OK
9	ELECTRICAL	UMESH SING	M	52	SR. FOREMAN	27-04-10	01-10-23	N6	Dr. Sandip Sen	OK
11	ELECTRICAL	PREMANANDA KUNDU	M	48	CABLE JOINTER	10-08-20	01-10-23	N6	Dr. Sandip Sen	OK
72	ELECTRICAL	RAMAN KR. JHA	M	45	MANAGER	02-04-18	01-10-23	N6	Dr. Sandip Sen	OK
73	ELECTRICAL	ABHIJIT SINGH	M	36	SR. ELECTRICIAN	01.07.2014	01-10-23	0/b	Dr. Sandip Sen	OK
174	MECHANICAL	RAM RANJAN MAITY	M	40	FITTER	01-11-17	01-10-23	N6	Dr. Sandip Sen	OK
175	MECHANICAL	BHOLANATH MISHRA	M	55	SR. FITTER	12-09-18	01-10-23	N6	Dr. Sandip Sen	OK
176	MECHANICAL	VIRENDAR CHAUDHURI	M	47	FOREMAN	02-01-18	01-10-23	N6	Dr. Sandip Sen	OK
177	MECHANICAL	ASHOK MAITY	M	36	SR. FITTER	17-10-22	01-10-23	0/b	Dr. Sandip Sen	OK
178	MECHANICAL	PRAVAKAR SINGHA THAKUR	M	32	WELDER	01-10-19	01-10-23	0/b		OK
179	MECHANICAL	SAMARESH SAHOO	M	40		03-12-19	01-10-23	N6		OK
180	MECHANICAL	SAMERAN SAREN	M	32	ENGINEER	13-10-20	01-10-23	0/b	Dr. Sandip Sen	OK
181	OPERATION	RAJIB CHAKRABORTY	M	28	ENGINEER	03-09-20	01-10-23	0/b	Dr. Sandip Sen	OK
182	OPERATION	SUBRATA GUHAIT	M	30	ENGINEER	27-05-19	01-10-23	0/b	Dr. Sandip Sen	OK
183	OPERATOR	SOVAN BANERJEE	M	28	D.C.S	16-01-23	01-10-23	0/b	Dr. Sandip Sen	OK
184	ELECTRICAL	SHYAM SUNDAR SHA	M	30	TECHNICIAN	16-12-21	01-10-23	0/b	Dr. Sandip Sen	OK
185	ELECTRICAL	SUNIL KR. DAS	M	27	ENGINEER	03-08-21	01-10-23	0/b	Dr. Sandip Sen	OK
186	ELECTRICAL	J. RAMU	M	43	SR. ELECTRICIAN	12-12-10	01-10-23	N6	Dr. Sandip Sen	OK
187	ELECTRICAL	INDRIT MAJI	M	46	SHIFT INCHARGE	28-06-12	01-10-23	N6		OK
188	ELECTRICAL	BILTU ROY	M	36	SR. ENGINEER	15-09-17	01-10-23	0/b		OK
189	ELECTRICAL	DIP SANKAR MANDAL	M	36	ASST. ELECTRICIAN	02-12-20	01-10-23	0/b		OK

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					Nature	Date of Employment	Date	Result		
190	ELECTRICAL	BHARAT CHANDRA BEHERA	M	35	ASST.MANAGER	02.06.2017	01-10-23	0/b		OK
191	ELECTRICAL	AKALABYA MAJI	M	33	DY. MANAGER	22-01-21	01-10-23	0/b		OK
192	ELECTRICAL	UTTAM MALLIK	M	38	ASST.MANAGER	01.10.2015	01-10-23	0/b	Dr. Sandip	OK
193	ELECTRICAL	SK. SAHIL HOSSAIN	M	26	ASST.ENGINEER	05.05.2021	01-10-23	0/b	Dr. Sandip	OK
194	HOUSE KEEPING	ANIMESH DAS	M	31	SUPERVISOR	05-01-21	01-10-23	0/b	Dr. Sandip	OK
195	LAB	RASABIHARI JANA	M	40	INCHARGE	05-06-12	01-10-23	N6	Dr. Sandip	OK
196	LAB	AMIT KR. MAITY	M	39	CHEMIST	01-08-16	01-10-23	0/b	Dr. Sandip	OK
197	LAB	RAJKUMAR SINGH	M	49	SR.CHEMIST	03-04-18	01-10-23	N6	Dr. Sandip	OK
198	MECHANICAL	TAPAS ROY	M	45	FITTER	01-02-19	01-10-23	N6	Dr. Sandip	OK
199	MECHANICAL	RAJESH KR. YADAV	M	41	ASST. FITTER	08-10-22	01-10-23	N6		OK
200	MECHANICAL	ANJAN GHOSH	M	55	FITTER	22-02-19	01-10-23	N6	Dr. Sandip	OK
201	MECHANICAL	RAJU DAS	M	37	WELDER	06-02-21	01-10-23	0/b	Dr. Sandip	OK
202	MECHANICAL	DHANANJAY SINGH SARDAR	M	28	WELDER	16-11-21	01-10-23	0/b	Dr. Sandip	OK
203	MECHANICAL	RAJA MANDAL	M	22	JR. ELECTRICIAN	20-10-22	01-10-23	0/b	Dr. Sandip	OK
204	MECHANICAL	SURESH KR.NAYEK	M	34	FITTER	02-10-18	01-10-23	0/b	Dr. Sandip	OK
205	MECHANICAL	AMIYA BHOWMICK	M	50	KILN INCHARGE	24-07-12	01-10-23	N6	Dr. Sandip	OK
206	MECHANICAL	RAM CHANDRA BEHERA	M	41	AGM	02-10-12	01-10-23	N6	Dr. Sandip	OK
207	MECHANICAL	SANTU PANDIT	M	25	FITTER	01.06.2023	01-10-23	0/b	Dr. Sandip	OK
208	MECHANICAL	TARUN KR MAHATO	M	42	INCHARGE	01.03.2012	01-10-23	N6		OK
209	MECHANICAL	MITHUN URAW	M	23	ASST.FITTER	11.04.2019	01-10-23	0/b		OK
210	MECHANICAL	PRABIR MONDAL	M	26	WELDER	07.11.2017	01-10-23	0/b		OK

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					Nature	Date of Employment	Date	Result		
211	PROCESS	ACHINTA ROY	M	48	QRT	16-09-23	01-10-23	N6		OK
212	PROCESS	PRADIP SAMANTA	M	23	JE	19.04.2022	01-10-23	6/6		OK
213	PROCESS	CHANDAN PAUL	M	28	JE	19.04.2022	01-10-23	6/6	Pradip Samanta	OK
214	RMP	SANJIB DEY	M	31	CONCRATION OPERATOR	20-05-21	01-10-23	6/6	Dr. Sandip Sen	OK
215	RMP	SANJAY MALLICK	M	46	OPERATOR	23-06-23	01-10-23	N6	Dr. Sandip Sen	OK
216	RMP	DHIRAJ KUMAR MAHATA	M	32	CRANE OPERATOR	22-10-18	01-10-23	6/6	Dr. Sandip Sen	OK
217	RMP	PRAHALADH SETHI	M	28	ASST. FITTER	03-08-21	01-10-23	6/6	Dr. Sandip Sen	OK
218	RMP	CHANDRABHANU BEHURA	M	49	WELDER	05-12-20	01-10-23	N6	Dr. Sandip Sen	OK
219	RMP	BHOLA BHARMA	M	54	CRANE OPERATOR	01-05-16	01-10-23	N6	Dr. Sandip Sen	OK
220	RMP	MADHAB DEBNATH	M	35	FOREMAN	06-05-21	01-10-23	6/6	Pradip Samanta	OK
221	RMP	SUKHDEB PRAMANIK	M	29	COAL CHARGING	01-07-14	01-10-23	6/6	Dr. Sandip Sen	OK
222	RMP	YOGENDRA YADAV	M	36	CRANE OPERATOR	02-03-20	01-10-23	6/6	Dr. Sandip Sen	OK
223	RMP	ASHOK MONDAL	M	38	FITTER	11-08-20	01-10-23	6/6	Dr. Sandip Sen	OK
224	RMP	AMIT MARDI	M	33	SR.FITTER	03.01.2023	01-10-23	6/6	Dr. Sandip Sen	OK
225	RMP	SURAJIT PATAR	M	30	WELDER	22-03-21	01-10-23	6/6	Dr. Sandip Sen	OK
226	RMP	DEBASISH GHOSH	M	24	ASST.FITTER	22.08.2020	01-10-23	6/6	Dr. Sandip Sen	OK
227	SEPARATION	KASINATH BAURY	M	40	WELDER	12-12-20	01-10-23	N6	Dr. Sandip Sen	OK
228	MECHANICAL	ARUP CHAUDHURI	M	43	ENGINEER	12-08-16	01-10-23	N6	Pradip Samanta	OK
229	OPERATION	GOPAL DUBEY	M	51	OPERATOR	11-03-22	01-10-23	N6		OK
230	OPERATION	SAROJ DAS	M	45	HELPER	05-04-22	01-10-23	N6		OK
231	OPERATION	BISHNUPADA TIWARY	M	40	HELPER	06-09-23	01-10-23	N6		OK

FORM NO.17(A)

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		
232	OPERATION	JIBAN DAS	M	23	HELPER	02-09-23	01-10-23	b/b		OK
233	PIPELINE	TAPAS DIGAR	M	28	HELPER	06-04-22	01-10-23	b/b	<i>Sandeep Sen</i>	OK
234	G-4	SAMAL SAREN	M	28	GUARD	13-09-22	01-10-23	b/b	<i>Sandeep Sen</i>	OK
235	SECURITY	DIBYENDU PANDA	M	42	SECURITY OFFICER	01-05-16	01-10-23	Nb	<i>Dr. Sandeep Sen</i>	OK
236	SECURITY	ISTIAQUE ANSARI	M	40	BOUNCER	08-06-21	01-10-23	Nb	<i>Dr. Sandeep Sen</i>	OK
237	SECURITY	SUNIL KUMAR	M	45	DGM	02-03-23	01-10-23	Nb	<i>Dr. Sandeep Sen</i>	OK
238	SECURITY	RANJAN JANA	M	41	INCHARGE	01-03-22	01-10-23	Nb	<i>Dr. Sandeep Sen</i>	OK
239	SECURITY	SANJAY HANSDA	M	31	GUARD	18-01-21	01-10-23	b/b	<i>Sandeep Sen</i>	OK
240	SECURITY	BIDYUT MANNA	M	24	GUARD	18-07-23	01-10-23	b/b	<i>Sandeep Sen</i>	OK
241	SECURITY	DOLAN CHATTERJEE	M	30	GUARD	12-04-21	01-10-23	b/b		OK
242	SECURITY	NIRUPAM PATRA	M	34	SECURITY OFFICER	01-05-16	01-10-23	b/b		OK
243	SECURITY	AKHIL MAHATO	M	35	SI	02-11-19	01-10-23	b/b	<i>Dr. Sandeep Sen</i>	OK
244	AUTOMOBILE	GARDI LAGURI	M	28	HYVA DRIVER	13.05.21	01-10-23	b/b	<i>Dr. Sandeep Sen</i>	OK
245	AUTOMOBILE	RAJAUL HAQUE	M	26	HYVA DRIVER	10.09.20	01-10-23	b/b	<i>Dr. Sandeep Sen</i>	OK
246	AUTOMOBILE	TIRATH KUMBHAKAR	M	50	HYVA DRIVER	24.08.21	01-10-23	Nb	<i>Dr. Sandeep Sen</i>	OK
247	AUTOMOBILE	GOUTAM SHIT	M	28	HYVA DRIVER	01.07.20	01-10-23	b/b	<i>Dr. Sandeep Sen</i>	OK
248	AUTOMOBILE	DURGACHARAN MAJHI	M	27	HYVA DRIVER	01.05.18	01-10-23	b/b	<i>Dr. Sandeep Sen</i>	OK
249	AUTOMOBILE	SWAPAN OJHA	M	46	HYVA DRIVER	05.05.19	01-10-23	Nb	<i>Sandeep Sen</i>	OK
250	AUTOMOBILE	LAKSHAN JANA	M	47	HYVA DRIVER	21.05.19	01-10-23	Nb		OK
251	AUTOMOBILE	GOUTAM BERA	M	35	HYVA DRIVER	17.06.19	01-10-23	b/b		OK
252	AUTOMOBILE	MILAN GORAIN	M	35	HYVA DRIVER	06.07.19	01-10-23	b/b		OK

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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		
253	AUTOMOBILE	DILIP BAKSI	M	44	HYVA DRIVER	06.06.20	01-10-23	N6	<i>Saudip Sen</i>	OK.

Dr. Saudip Sen
M.B.B.S. (CAL) D.O. (CAL)
REGD No-48141 (WBMC)

