

# EC Conditions Six Monthly Compliance Report

(by Project Proponent)



**Proposal No :** IA/WB/IND/107252/2019

## 1. Name of the Entity / Corporate Office :

## 2. Proponent Details :

Proponent Name :	BIJAYEN	Designation :	MANAGER
Telephone No :	33-22438518	Mobile No :	+91 8584041975
Fax No :	33-03322438517	Email Address :	orissametalikspvtltd@gmail.com
Website :		Pin Code :	700001
State :	West Bengal	District :	Kolkata
Village/Town :			


## 3. Compliance Letter/Report (Proponent):


## 4. Summary Status of Compliance :

Total Condition :	88		
Complied :	19	Being Complied :	58
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	11		

## 5. Details of Production and Project Area :

## 6. Specific Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided to keep the emission level below prevailing standards. Data on ambient air quality and stack emission should be submitted to this ministry including its regional Office at Bhubaneswar, CPCB and W.B pollution control Board once in sixmonth.	Being Complied	Adequate Measures have been taken by management for reducing the RSPM levels in the ambient air like. Please refer attached EC compliance Report.		

2	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.	Being Complied	Existing Sponge Iron Unit having capacity 7,80,000 TPA, having 9 nos. of ESP's with 6 nos. of 10 TPH, 1 no of 38 TPH capacities & 02 Nos. 60 TPH (WHRB). Refer to the uploaded document	N/A	
3	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.	Being Complied	Please refer attached EC compliance Report	N/A	
4	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 is/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.	Complied	OMPL has already obtained adequate ground water extraction permission from SWID West Bengal, for ground water & surface water from Kansabati River. Please refer EC compliance report	N/A	
5	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. Please refer EC compliance report	N/A	
6	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	Please refer attached EC compliance report.	N/A	
7	Coal and coke fines shall be recycled and reused in the process iron ore, fluxes, mill scale etc. Shall be recycled to sinter plant to produce sinter, waste oil shall be sold to authorized recyclers/reprocesses.	Being Complied	• Coal and coke fines are used in DRI process, AFBC base & CFBC base CPP for reducing the fuel consumption. Please refer attached EC compliance report	N/A	
8	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal	Being Complied	Because of use of better quality of raw material and process optimization		


			there is a reduction in solid waste generation. Please refer attached EC compliance report.		
9	All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003	Being Complied	Please refer attached EC compliance report	N/A	
10	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	In financial year 2022-23 from October to till March 2023 around 2265 saplings were planted and the survival rate is 93.0%	N/A	
11	All the recommendations made in the charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants shall be implemented.	Being Complied	CREP being complied in time bound frame. Please refer attached EC compliance report	N/A	
12	DRI kiln should be provided with waste heat recovery boiler (WHRB) to make use of flue gases generated during the process.	Being Complied	Please refer attached EC compliance report	N/A	
13	All the char from DRI plant utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else.	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.	N/A	
14	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline	Agreed to Comply	Company has got water withdrawal permission of surface water from State Water Investigation Directorate (SWID), West Bengal from Kansai River. Please refer attached EC compliance report	N/A	
15	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	Being Complied	Existing Sponge Iron Unit having capacity 7,80,000 TPA, having 9 nos. of ESP's with 6 nos. of 10 TPH, 1 no of 38 TPH capacities & 02 Nos. 60 TPH (WHRB). Refer to	N/A	

	to burn the combustibles and cleaned in ESP.		the uploaded document		
16	DRI kiln should be provided with waste heat recovery boiler (WHRB) to make use of flue gases generated during the process.	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 Kilns with 6 X 10 TPH + 1x 38 TPH + 2 x 60 TPH capacity WHRB.	N/A	
17	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	Refer the uploaded compliance details	N/A	
18	All the recommendations made in the charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants shall be implemented.	Being Complied	please refer the uploaded document	N/A	
19	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.	Being Complied	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	N/A	
20	All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003	Being Complied	60-70% of the Fly ash is being supplied to associate company (RCL at Jhargram & Bansal Cement Private Limited at Kharagpur) for Cement manufacturing purpose. Balance 30-40%-brick making	N/A	
21	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 is/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.	Being Complied	OMPL has already obtained adequate ground water extraction permission from State Water(SWID). Pls refer the uploaded document.	N/A	


22	Coal and coke fines shall be recycled and reused in the process iron ore, fluxes, mill scale etc. Shall be recycled to sinter plant to produce sinter, waste oil shall be sold to authorized recyclers/reprocesses.	Being Complied	• Coal and coke fines are used in DRI process, AFBC base & CFBC base CPP for reducing the fuel consumption	N/A	
23	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided to keep the emission level below prevailing standards. Data on ambient air quality and stack emission should be submitted to this ministry including its regional Office at Bhubaneswar, CPCB and W.B pollution control Board once in sixmonth.	Being Complied	Adequate Measures have been taken by management for reducing the RSPM levels in the ambient air. Pls refer uploaded document.	N/A	
24	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal	Being Complied	Kindly refer the uploaded ec compliance	N/A	
25	All the char from DRI plant utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else.	Being Complied	Pls refer the uploaded EC compliance	N/A	
26	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	In financial year 2022-23 from October to till March 2023 around 2265 saplings were planted and the survival rate is 93.0%	N/A	
27	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline	Agreed to Comply	Company has got water withdrawal permission of surface water from (SWID), West Bengal from Kansai River. Laying of pipeline from River Kansabati to the industry is completed.	N/A	
28	2050 KLD water is required and it is/will be sourced from Bore well, Rainwater Harvesting pond & surface water (Kansabati river)	Being Complied	Being Complied	N/A	

## 7. General Conditions (Proponent) :


S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The Gaseous emissions from various process units shall conform to the load/mass-	Complied	All the necessary measures have been adopted by	N/A	

	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.		management of OMPL-I for preventing the gaseous emission on priority basis. Please refer attached EC compliance report		
2	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.	Complied	Complied	N/A	
3	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.	Being Complied	Plant is designed zero discharge Plant.	N/A	
4	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).	Being Complied	Noise levels have been monitored at five locations viz. Near Plant Main Gate, Mathurakismat Village, Latibpur Village, Between DRI Plant Area, & Near CPP Area by third party monitoring agency	N/A	
5	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being Complied	OHS of the workers is periodically accessed on a regular basis & records are being maintained as per The Factories Act, 1948. Company is ISO 45001:2018 certified & certificate is valid till 30-10-2023.		
6	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Complied	OMPL has 01 no full fledge rainwater harvesting pond in operation of total capacity 50000KL	N/A	

			(approx.) in plant premises & harvested water are being used for dust suppression, greenbelt development etc		
7	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being Complied	Please refer attached EC compliance report	N/A	
8	Requisite funds 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, Forest and Climate Change (MoEF&CC) 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 Orissa. The funds so provided shall not be diverted for any other purpose.	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. Please refer attached EC compliance report	N/A	
9	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila / 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 shall also be put on the web site of the company by the proponent.	Complied	Please refer attached EC compliance report	N/A	
10	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 MOEFCC at Orissa. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters,	Being Complied	Please refer attached EC compliance report	N/A	

	indicated for the projects shall b				
11	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Orissa/CPCB/SPCB shall monitor the stipulated conditions.	Being Complied	Regular reports of Monitoring and compliance are submitted to Ministry at regional office. The details of submission are enclosed here with. Please refer attached EC compliance report	N/A	
12	The environmental statement for each financial year ending 31th 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 MOEFCC at Orissa by e-mail.	Complied	All the necessary measures have been adopted by management of OMPL for preventing the gaseous emission on priority basis. Please refer attached EC compliance report.	N/A	
13	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.	Being Complied	Inhibitory measures been taken by project proponent to deduce fugitive emissions from all the vulnerable sources like: Please refer EC compliance report		
14	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.	Complied	Noted & Already Complied	N/A	
15	Adequate Air Pollution Control measures as noted in Environment management plant need be complied	Being Complied	Please refer attached EC compliance report	N/A	
16	Emission level from bag filter and ESP shall be less than 30mg per Nm3.	Being Complied	We are complying	N/A	
17	Zero liquid discharge shall be adopted.	Being Complied	Our plant is designed as a Zero Discharge plant. Water is mainly used for cooling purpose. Please refer	N/A	



			attached EC compliance report		
18	100 percent waste utilisation shall be followed.	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. Please refer attached EC compliance report.	N/A	
19	Green belt shall cover 33% of the total area in the plant site.	Being Complied	Green belt with density of 2500 per hectare along and around boundary of the site towards the highway already started. Please refer attached EC compliance report.		
20	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	Being Complied	Please refer attached EC compliance report	N/A	
21	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Being Complied	Please refer attached EC compliance report	N/A	
22	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, Forests and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 t	Complied	Please refer attached EC compliance report.	N/A	
23	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	Agreed to Comply	Noted	N/A	
24	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Agreed to Comply	Agreed	N/A	
25	Any appeal against this EC shall lie with the National Green Tribunal, if preferred,	Agreed to Comply	Noted	N/A	

	within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.				
26	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.	Agreed to Comply	Noted	N/A	
27	Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).	Being Complied	In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment, banner and flex are displayed at suitable place like work place, canteen, parking area etc	N/A	
28	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.	Agreed to Comply	Private Company, no finance is needed from outside.	N/A	
29	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.	Agreed to Comply	For the current operational plant, the installed pollution control equipments are also designed for using Indian coal.	N/A	
30	Surface water is taken from Kansai River , No ground has been abstracted from ground water after completion of kansai pipe line.	Agreed to Comply	Company has got water withdrawal permission of surface water from State Water Investigation Directorate (SWID), West Bengal from Kansai River. Please refer attached EC compliance report	N/A	
31	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	Agreed to Comply	Private Company, no finance is needed from outside.	N/A	

	and the date of commencing the land development work.				
32	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.	Being Complied	Inhibitory measures been taken by project proponent to reduce fugitive emissions from all the vulnerable sources.	N/A	
33	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 MOEFCC at Orissa. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be	Being Complied	Ps refer the uploaded document for details.	N/A	
34	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being Complied	The project proponent is fully committed in socio economic development activities. In financial year 2022-23, OMPL company has spent Rs. 9,36,00,000 under the head of CSR/CER.	N/A	
35	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Complied	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	N/A	
36	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being Complied	Occupational health surveillance of the workers is periodically accessed on a regular basis and records are being maintained as per The Factories	N/A	

			Act. 1948. Company is ISO 45001:2018 certified.		
37	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.	Being Complied	Plant is designed zero discharge Plant.	N/A	
38	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.	Complied	Complied	N/A	
39	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	Being Complied	Adequate measure has been taken by management of OMPL-I for pollution control and complying with all condition issues by CPCB & SPCB.	N/A	
40	The environmental statement for each financial year ending 31th 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 MOEFCC at Orissa by e-mail.	Complied	Pls refer the uploaded documents	N/A	
41	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.	Complied	Pls refer the uploaded document.	N/A	

42	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila / 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 shall also be put on the web site of the company by the proponent.	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.	N/A	
43	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Agreed to Comply	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.	N/A	
44	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, Forests and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 t	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	N/A	
45	Requisite funds 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, Forest and Climate Change (MoEF&CC) 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 Orissa. The funds so provided shall not be diverted for any other purpose.	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	N/A	
46	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	Complied	Noted	N/A	

47	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).	Being Complied	Noise levels have been monitored at five locations viz. Near Plant Main Gate, Mathurakismat Village, Latibpur Village, Between DRI Plant Area, & Near CPP Area by third party monitoring agency	N/A	
48	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Orissa/CPCB/SPCB shall monitor the stipulated conditions.	Being Complied	Last Compliance uploaded on December-22 (April 2022-september 2022) on 26.11.2022	N/A	
49	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.	Complied	For the current operational plant, the installed pollution control equipments are also designed for using Indian coal.	N/A	
50	Zero liquid discharge shall be adopted.	Being Complied	Zero Discharged Plant	N/A	
51	Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).	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 place.	N/A	
52	Emission level from bag filter and ESP shall be less than 30mg per Nm3.	Being Complied	Noted	N/A	
53	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 Environment Appellate Act, 1997.	Complied	Noted	N/A	
54	100 percent waste utilisation shall be followed.	Being Complied	Noted	N/A	
55	The above conditions shall be enforced, inter-alia under the provisions of the Water	Being Complied	Noted	N/A	

	(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.				
56	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.	Complied	Noted	N/A	
57	Adequate Air Pollution Control measures as noted in Environment management plant need be complied	Complied	Kindly refer uploaded ec compliance details	N/A	
58	Surface water is taken from Kansai River , No ground has been abstracted from ground water after completion of kansai pipe line.	Being Complied	Permission has been obtained from SWID.	N/A	
59	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Being Complied	Noted	N/A	
60	Green belt shall cover 33% of the total area in the plant site.	Being Complied	Refer the Documents.	N/A	

**\*\*Note : N/A - Not Available**

**PRINT**

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**Six Monthly (June-2023) Compliance Report for Period October 2022 to March 2023 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>

Fri, May 26, 2023 at 11:31 AM

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

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

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2022 to March 2023 of EC no.- **J-11011/229/2007-I (A)** 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 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.

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**

**Fax : 91 33-22894254**

Mbl. No-07044070948

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 **Compliance\_ OMPL-I -JUNE-2023.pdf**  
22715K



# ORISSA METALIKS PRIVATE LIMITED

REGD. OFFICE : 1, GARSTIN PLACE, 'ORBIT HOUSE', 3RD FLOOR, ROOM NO. 3B, KOLKATA - 700 001, INDIA  
Phone : +91-33-2243-8518, Fax : +91-33-2243-8517, E-mail : sc\_ompl@orissametaliks.com  
Website : www.orissametaliks.com, CIN : U27109WB2006PTC111148

Ref. OMPL-I/ENV COMPL / June-2023

Date: 25 .05.2023

To,

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

**Sub. Six Monthly (June-2023) Compliance Report** for Period October 2022 to March 2023 for 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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As per Environment Clearance, Special as well as General Condition wise status report along with monitoring data for the environmental parameters is enclosed for your kind perusal.

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

Hope you will find the same in order.

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. TCLP test 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-2023)  
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**

**3<sup>rd</sup> FLOOR, ROOM NO -3B KOLKATA – 700 001**

**WEST BENGAL**

**Phone No.-033 – 22438518**

**Email id-orissametalikspvtltd@gmail.com**

**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/s No. and 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 2022 to March 2023

A.	Specific Conditions	COMPLIANCE STATUS
i)	<p>Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. 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>	<p>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"><li>1. Fixed water sprinklers and water guns are provided at the potential internal roads and raw materials handling areas.</li><li>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.</li><li>3. 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.</li><li>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).</li><li>5. Pneumatic APC dust handling system is in place.</li><li>6. All conveyor belts, vibrating screens and transfer points are covered with sheets for preventing the fugitive emissions.</li></ol> <div data-bbox="764 1520 1159 1808"></div> <p data-bbox="850 1833 1078 1864"><u>Mobile Mist Canon</u></p> <div data-bbox="1170 1520 1533 1808"></div> <p data-bbox="1247 1833 1451 1864"><u>Fixed Mist Canon</u></p>





Water Tanker



Road Sweeping Vehicle



DFDS SYSTEM



Water Sprinkler



Water Sprinkler



Water Sprinkler



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, 03 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 <sup>st</sup> Dec 2016	26.11.2016
		1 <sup>st</sup> June 2017	16.05.2017
2	2017-2018	1 <sup>st</sup> Dec 2017	01.12.2017
		1 <sup>st</sup> June 2018	01.06.2018
3	2018-2019	1 <sup>st</sup> Dec 2018	28.11.2018
		1 <sup>st</sup> June 2019	23.05.2019
4	2019-2020	1 <sup>st</sup> Dec 2019	14.11.2019
		1 <sup>st</sup> June 2020	29.05.2020
5	2020-2021	1 <sup>st</sup> Dec 2020	30.11.2020
		1 <sup>st</sup> June 2021	31.05.2021
6	2021-2022	1 <sup>st</sup> Dec 2021	1.12.2021
		1 <sup>st</sup> June 2022	26.05.2022
7	2022-2023	1 <sup>st</sup> Dec 2022	19.11.2022
		1 <sup>ST</sup> June 2023	---

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

Parameter	Near Plant Main Gate	Amba Village	Shyamraipur Village
PM <sub>10</sub> (µg/m <sup>3</sup> )	71	65	76
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	34	29	37
SO <sub>2</sub> (µg/m <sup>3</sup> )	8.8	7.2	7.0
NO <sub>2</sub> (µg/m <sup>3</sup> )	31.6	28.7	29.5
CO (µg/m <sup>3</sup> )	801	744	664

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

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

ii) 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

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





	<b>combustibles and cleaned in ESP.</b>	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 as <b>Annexure - III.</b>												
iii)	<b>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.</b>	Being Complied  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.												
iv)	<b>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.</b>	Being Complied  Inhibitory measures been taken by project proponent to reduce fugitive emissions from all the vulnerable sources like:  <ol style="list-style-type: none"> <li>1. Fixed water sprinklers and water guns are provided at the potential internal roads and raw materials handling areas.</li> <li>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.</li> <li>3. 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.</li> <li>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).</li> <li>5. Pneumatic APC dust handling system is in place.</li> <li>6. All conveyor belts, vibrating screens and transfer points are covered with sheets for preventing the fugitive emissions.</li> <li>7. Dry fog dust suppression system is installed at Fly ash silo area to reduce fugitive emission.</li> </ol> Fugitive Emissions have been monitored at DRI Plant Area, CPP Area, Near Fly Ash Silo Area, Product House & Truck Parking Area by third party monitoring agency M/s. Qualissure Laboratory Services, West Bengal which is NABL/ WBPCB/OSPCB accredited laboratory has done the analysis. As per monitoring reports for month of March 2023 the emission levels are as follows:  <table border="1"> <thead> <tr> <th>Parameter</th> <th>DRI Plant Area</th> <th>CPP Area</th> <th>Product House</th> <th>Near Fly ash Silo</th> <th>Truck Parking Area</th> </tr> </thead> <tbody> <tr> <td>TSPM (µg/m<sup>3</sup>)</td> <td>325</td> <td>336</td> <td>602</td> <td>995</td> <td>252</td> </tr> </tbody> </table>	Parameter	DRI Plant Area	CPP Area	Product House	Near Fly ash Silo	Truck Parking Area	TSPM (µg/m <sup>3</sup> )	325	336	602	995	252
Parameter	DRI Plant Area	CPP Area	Product House	Near Fly ash Silo	Truck Parking Area									
TSPM (µg/m <sup>3</sup> )	325	336	602	995	252									



		The latest fugitive emission analysis report is enclosed as <b>Annexure No.-IV.</b>														
v)	<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).</p> <p>Zero effluent discharge shall be strictly followed and no wastewater discharged outside the premises.</p>	<p>OMPL has already obtained adequate ground water extraction permission from State Water Investigation Department (SWID) West Bengal, for ground water &amp; surface water from Kansabati River. The present makeup water requirement in DRI &amp; CPP 2050 KLD.</p> <table border="1"> <thead> <tr> <th rowspan="2">Water Requirement for EC awarded Project</th> <th colspan="4">Source of Water</th> </tr> <tr> <th>Groundwater (after obtaining permission from SWID)</th> <th>Surface waste from Kansabati River</th> <th>Nala/ Treated Waste Water</th> <th>Rain water Harvesting Pond</th> </tr> </thead> <tbody> <tr> <td>2,050 KLD</td> <td>1,911 KLD</td> <td></td> <td>**</td> <td>139 KLD</td> </tr> </tbody> </table> <p>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>	Water Requirement for EC awarded Project	Source of Water				Groundwater (after obtaining permission from SWID)	Surface waste from Kansabati River	Nala/ Treated Waste Water	Rain water Harvesting Pond	2,050 KLD	1,911 KLD		**	139 KLD
Water Requirement for EC awarded Project	Source of Water															
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2,050 KLD	1,911 KLD		**	139 KLD												
vi)	2050 KLD water is required and it is/will be sourced from Bore well, Rainwater Harvesting pond & surface water (Kansabati river)	Being complied.														
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.	<p>The detail is already discussed in <b>point no-v.</b></p> <p>Being Complied</p> <ul style="list-style-type: none"> <li>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.</li> <li>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).</li> <li>Kiln accretion/ broken refractory mass is being used in associate company Sinter Plant, for Cement Manufacturing, land levelling.</li> </ul>														
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.	<p>Being Complied</p> <ul style="list-style-type: none"> <li>Coal and coke fines are used in DRI process, AFBC base &amp; CFBC base CPP for reducing the fuel consumption.</li> <li>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.</li> <li>Contaminated cotton and wiping clothes collected from all units is sent to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF).</li> </ul>														



ix)	<p><b>A time bound action plan shall be submitted to reduce solid waste, its proper utilisation and disposal.</b></p>	<p style="text-align: center;">Being Complied</p> <p>Because of use of better quality of raw material and process optimization there is a reduction in solid waste generation. A time bound action plan to reduce solid waste, its proper utilization and disposal are as follows:</p> <table border="1" data-bbox="787 394 1507 653"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>Year (2022-23)</th> <th>Year (2023-24)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Kiln Accretion</td> <td>6,280</td> <td>6,240</td> </tr> <tr> <td>2</td> <td>Char &amp; Dolochar</td> <td>1,49,000</td> <td>1,48,000</td> </tr> <tr> <td>3</td> <td>Fly Ash</td> <td>84,300</td> <td>84,000</td> </tr> <tr> <td>4</td> <td>Dust from APC Devices</td> <td>1,15,500</td> <td>1,09,200</td> </tr> <tr> <td>5</td> <td>Bottom Ash</td> <td>1,52,400</td> <td>1,52,000</td> </tr> </tbody> </table> <p>Leachate Analysis Report of Dolochar is enclosed as <b>Annexure-V</b>.</p>	S. No.	Particulars	Year (2022-23)	Year (2023-24)	1	Kiln Accretion	6,280	6,240	2	Char & Dolochar	1,49,000	1,48,000	3	Fly Ash	84,300	84,000	4	Dust from APC Devices	1,15,500	1,09,200	5	Bottom Ash	1,52,400	1,52,000
S. No.	Particulars	Year (2022-23)	Year (2023-24)																							
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5	Bottom Ash	1,52,400	1,52,000																							
x)	<p><b>All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003.</b></p>	<p>60-70 % of the Fly ash is being supplied to associate company (Rashmi Cement Limited at Jhargram &amp; Bansal Cement Private Limited at Kharagpur) for Cement manufacturing purpose. Balance 30-40 % is being used for brick making.</p>																								
xi)	<p><b>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.</b></p>	<p style="text-align: center;">Being Complied</p> <p>Green belt with density of 2500 per hectare along and around boundary of the site towards the highway already started. In financial year 2022-23 from October to till March 2023 around 2265 saplings were planted and the survival rate is 93.0%. To maintain adequate green belt development / gap filling dedicated manpower has been deployed</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>																								








The detail of green belt developed is enclosed as **Annexure-VI**.

CREP being complied in time bound frame.

xii) **All the recommendation made in the charter on corporate Responsibility to Environment protection for the steel plants shall be implemented.**

Sl. No	Action points for Integrated Iron & Steel Industry	Action Plan
1	<b>Coke Oven Plants</b>	
	<b>A</b> 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>B</b> To rebuild at least 40% of the coke oven batteries in next 10 years (by December 2012).	Not applicable
2	<b>Steel Melting Shop</b> Fugitive emissions - To reduce 30% by March 2004 and 100% by March 2008 (including installation of secondary Dedusting facilities).	Not applicable



		3	<b>Blast Furnace</b> Direct inject of reducing agents _____ by June 2013.	Not applicable	
		4	<b>Solid Waste/Hazardous Waste Management</b>		
		A	Utilization of Steel/Melting shop (SMS)/Blast Furnace (BF) Slag as per the following schedule: <ul style="list-style-type: none"> <li>• By 2004 – 70%</li> <li>• By 2006 – 80% and</li> <li>• By 2007 – 100%</li> </ul>	Not applicable	
		<b>Hazardous Wastes</b>			
		B	I	Charge of tar sludge/ETP sludge to Coke Oven by June 2003.	Not Applicable
			II	Inventorization of the Hazardous waste as per Hazardous Waste (M & H). Rules, 1989 as amended in 2000 and implementation of the Rules by Dec. 2003.  (Tar sludge, acid sludge, waste Lubricating oil and type fuel falls in the category of Hazardous waste).	Inventorization completed.  Coal tar, Waste oils and cotton/jute waste containing oil are sold to WBPCB authorized vendors/parties  The annual return (FORM-IV) for the financial year (2021-2022) in prescribed format submitted on Online Consent Management & Monitoring System portal to WBPCB vides return no-231462 dated 30.06.2022.
		5	<b>Water Conservation/Water Pollution</b>		
A	To reduce specific water consumption to 5 m <sup>3</sup> /t for long products and 8 m <sup>3</sup> /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 & 01 no manual Ambient Monitoring System is installed for monitoring	

			the ambient air quality covering 360 degree.
	7	To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect. Compliance report in this regard is submitted to CPCB/SPCB every three months.	Compliance reported is being submitted to the WBPCB and quarterly monitoring of the stacks is being done by WBPCB.
	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.	
		<b>A</b> Energy recovery of top Blast Furnace (BF) gas.	Not applicable
		<b>B</b> Use of Tar - free runner linings	Not applicable
		<b>C</b> 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.
		<b>D</b> Suppression of fugitive emissions using nitrogen gas or other inert gas.	Not Applicable
		<b>E</b> 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
		<b>F</b> 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.
		<b>G</b> 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.



			<p><b>H Reduction Green House Gases by:</b></p> <p><b>I</b> Reduction in power consumption</p> <p><b>II</b> Use of by- products gases for power generation</p> <p><b>III</b> Promotion of Energy Optimisation technology Including energy/ audit</p> <p><b>I</b> To set targets for Resource Conservation such as Raw material, energy and water consumption to match International Standards.</p> <p><b>J</b> 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.</p> <p><b>K</b> To Improve overall housekeeping.</p>	<p>Use of Phenolic water in ABC of DRI kiln resulting increase in enthalpy.</p> <p>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.</p> <p>Not applicable</p> <p>Management of OMPL has taken up eco- friendly (i. e. 3 R's, Reduce, Recycle &amp; 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</p> <p>Upgradation 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.</p> <p>Action taken by company for improvement of housekeeping and controlling emission are:</p> <p><b>a)</b> Dedicated 01 No water spraying tankers are in use.</p> <p><b>b)</b> Frequency of Mechanical Street sweeping machine</p>
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				<p>with vacuum cleaning has been increased from 02 times a days to 04 times a day.</p> <p><b>c)</b> Dedicated 01 no. street swiping machine also in use in plant.</p> <p><b>d)</b> 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission.</p> <p><b>e)</b> 01 no movable Water mist fog system has been installed and in used in order to reduce the fugitive dust.</p> <p><b>f)</b> 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><b>g)</b> Engaged more numbers of dedicated Housekeeping team with proper training and equipment.</p> <p><b>h)</b> Regular painting and cleaning / whitewashing of wall.</p> <p><b>i)</b> Scraps are stored in proper demarcated area with proper marking.</p> <p><b>j)</b> Hazardous wastes are stored in dedicated HZW store.</p> <p><b>k)</b> Regular cleaning of drain systems pre monsoon is done.</p> <p><b>l)</b> Concreting of internal road with proper drainage system to reduce vehicular emission.</p> <p><b>m)</b> Trucks movement</p>
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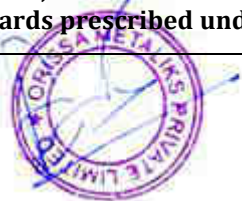
				for transporting raw materials & solid waste in fully covered way to avoid dust pollution. n) Green belt with density of 2500 per hectare along and around the plant boundary is being developed.
		10	<b>Sponge Iron Plants</b> Inventorization of sponge iron plants to be completed by SPCBs/CPCB by June 2003 and units will be asked to install proper air pollution control equipment by December 2003 to control primary and secondary emissions.  As per rebuilding schedule submitted to CPCB/MoEF.	3 Field, 4 Field ESP, I.D. FAN, and WHRB are being installed in order to keep the pollution emission within prescribed limit.
xiii)	DRI kiln should be provided with waste heat recovery boiler to make use of Flue gases generated during the process.			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.
xiv)	All the char from DRI plant should be utilized in AFBC boiler of power plant and no char should be disposed anywhere.			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.
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.			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.



xvii)	<b>Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline</b>	<p style="text-align: center;">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 vide letter OMPL/ENV COMPL/June-2021 dated 27.05.2021.</p>												
xviii)	<b>Emission level from Bag filter and ESP shall be 30 mg/Nm<sup>3</sup>.</b>	<p style="text-align: center;">Being Complied</p>												
xix)	<b>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.</b>	<p style="text-align: center;">Agreed</p> <p>For the current operational plant, the installed pollution control equipments are also designed for using Indian coal.</p>												
xx)	<b>Zero liquid discharge shall be adopted</b>	<p style="text-align: center;">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 &amp; 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 &amp; 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)	<b>100% waste utilization shall be followed.</b>	<p style="text-align: center;">Being Complied</p> <p>The char from DRI plants are being utilized in AFBC &amp; 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" data-bbox="808 1419 1487 1745"> <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 &amp; 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 &amp; 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.	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 2022-23 from October to till March 2023 around 2265 saplings of trees and the survival rate is 93.0%. To maintain green belt / gap filling dedicated manpower has been deployed  The detail of green belt developed is already discussed in <b>point no-xi.</b>
A.	<b>GENERAL CONDITIONS:</b>	<b>COMPLIANCE STATUS</b>
i)	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	Being Complied  Adequate measure has been taken by management of OMPL-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.
ii)	No further expansion or modifications in the plant shall be carried but without prior approval of the Ministry of Environment and Forests.	In compliance to this point amendment 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
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 standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Complied  All the necessary measures have been adopted by management of OMPL-I for preventing the gaseous emission on priority basis. The load mass-based standards for the financial year 2021-22 is calculated and submitted with environmental statement in prescribed format to WBPCB vide letter no. OMPL-I/ENV_Statement/2021-2022 dated 23.09.2022.
iv)	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of 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.	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/December-2022 dated 19.11.2022.  CAAQMS reports are attached in as <b>Annexure No. - VII</b>
v)	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated	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





	<p><b>19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.</b></p>	<p>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, West Bengal which is NABL/WBPCB/OSPCB accredited laboratory has done the analysis. The analysis report of Effluent, STP (inlet &amp; outlet) &amp; Ground water sampling Report is enclosed as <b>Annexure-VIII.</b></p>																					
<p><b>vi)</b></p>	<p><b>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).</b></p>	<p>Being Complied</p> <p>Ambient &amp; Work Zone Noise Monitoring Analysis (inside the plant in different units) is done by MoEF&amp;CC, New Delhi /NABL accredited Laboratories.</p> <p>Noise levels have been monitored at five locations viz. Near Plant Main Gate, Mathurakismat Village, Latibpur Village, Between DRI Plant Area, &amp; Near CPP Area by third party monitoring agency M/s Qualissure Laboratory Services, West Bengal which is NABL/WBPCB/OSPCB accredited laboratory. As per monitoring reports the noise levels are as follows:</p> <table border="1" data-bbox="773 827 1523 961"> <thead> <tr> <th>Parameter</th> <th>Near Plant Main Gate</th> <th>Mathurakismat Village</th> <th>Latibpur Village</th> </tr> </thead> <tbody> <tr> <td></td> <td><b>Avg.</b></td> <td><b>Avg.</b></td> <td><b>Avg.</b></td> </tr> <tr> <td><b>Leq (dBA)</b></td> <td>63.8</td> <td>57.9</td> <td>52.2</td> </tr> </tbody> </table> <table border="1" data-bbox="849 978 1446 1113"> <thead> <tr> <th>Parameter</th> <th>Between DRI Plant Area</th> <th>Near CPP Area</th> </tr> </thead> <tbody> <tr> <td></td> <td><b>Avg.</b></td> <td><b>Avg.</b></td> </tr> <tr> <td><b>Leq (dBA)</b></td> <td>52.7-69.3</td> <td>56.4-67.8</td> </tr> </tbody> </table> <p>The Ambient &amp; work zone noise monitoring report is enclosed as <b>Annexure-IX.</b></p>	Parameter	Near Plant Main Gate	Mathurakismat Village	Latibpur Village		<b>Avg.</b>	<b>Avg.</b>	<b>Avg.</b>	<b>Leq (dBA)</b>	63.8	57.9	52.2	Parameter	Between DRI Plant Area	Near CPP Area		<b>Avg.</b>	<b>Avg.</b>	<b>Leq (dBA)</b>	52.7-69.3	56.4-67.8
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<p><b>vii)</b></p>	<p><b>Occupational health surveillance of then workers shall be done on a regular basis and records maintained as per the Factories Act.</b></p>	<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. Company is ISO 45001:2018 certified and certificate is valid till 30-10-2023.</p> <p>OHS record is attached as <b>Annexure-X.</b></p>																					



viii)	<p>The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.</p>	<p>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)	<p>The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.</p>	<p>Being Complied</p> <p>The project proponent is fully committed in socio economic development activities of the surrounding villages and CSR activities are being continuously done throughout the year.</p> <p>In financial year 2022-23, OMPL company has spent Rs. 9,36,00,000 under the head of CSR/CER. The recent CSR/CER photograph are as:</p>  <p><b>Community Centre, Roy Para</b></p>  <p><b>Hari Mandir, Leluakala</b></p>  <p><b>Community Centre, Narayanpur</b></p>  <p><b>Boundary Wall, Narayanpur</b></p> 

Community Centre, Jamunapar



Community Centre, Kantapal



Construction of Road



Drinking Water Distribution



Inter State Badminton Competition



Sapling distribution to the Donors



School Stationary Distribution



x)	<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 style="text-align: center;">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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Recurring Cost Incurred on Environmental Safeguard</th> </tr> <tr> <th style="width: 15%;">Year</th> <th style="width: 25%;">Particulars</th> <th style="width: 40%;">Narration</th> <th style="width: 20%;">Amount (INR)</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">2022-2023 (Oct. to March)</td> <td style="text-align: center;"><b>Green Belt Development</b></td> <td>Maintenance, labour cost etc.</td> <td style="text-align: right;">7,91,700.00</td> </tr> <tr> <td style="text-align: center;"><b>House Keeping</b></td> <td>Labour charges, Drainage Cleaning and other materials</td> <td style="text-align: right;">17,50,500.00</td> </tr> <tr> <td style="text-align: center;"><b>Analysis &amp; Monitoring of Environmental Parameters</b></td> <td>Stack, Fugitive, Ambient, Water etc. Monitoring &amp; Analysis, In-house Analysis</td> <td style="text-align: right;">13,01,300.00</td> </tr> <tr> <td style="text-align: center;"><b>O &amp; M on A.P.C Devices</b></td> <td>Operation &amp; Maintenance cost, Electricity consumption etc. on A.P.C Device installed.</td> <td style="text-align: right;">1,98,80,100.00</td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>TOTAL</b></td> <td style="text-align: right;"><b>2,37,23,600.0</b></td> </tr> </tbody> </table>	Recurring Cost Incurred on Environmental Safeguard				Year	Particulars	Narration	Amount (INR)	2022-2023 (Oct. to March)	<b>Green Belt Development</b>	Maintenance, labour cost etc.	7,91,700.00	<b>House Keeping</b>	Labour charges, Drainage Cleaning and other materials	17,50,500.00	<b>Analysis &amp; Monitoring of Environmental Parameters</b>	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	13,01,300.00	<b>O &amp; M on A.P.C Devices</b>	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	1,98,80,100.00	<b>TOTAL</b>			<b>2,37,23,600.0</b>
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xi)	<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 style="text-align: center;">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 <a href="http://orissametaliks.com/qehs.html">http://orissametaliks.com/qehs.html</a>.</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>																									
xii)	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the 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>	<p style="text-align: center;">Being Complied</p> <p>Monitoring of criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (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 20<sup>th</sup> January 2020 outside the main gate of the plant for disclosure to the public and also uploaded on the website of the company <a href="https://www.rashmigroup.com/ehs/">https://www.rashmigroup.com/ehs/</a>.</p> <p>Electronic display board is installed at plant main gate and online stack emission data and CAAQMS data is also being displayed.</p>																									




xiii)	<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="776 331 1523 863"> <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>1<sup>st</sup> Dec 2016</td> <td>26.11.2016</td> </tr> <tr> <td>1<sup>st</sup> June 2017</td> <td>16.05.2017</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">2017-2018</td> <td>1<sup>st</sup> Dec 2017</td> <td>01.12.2017</td> </tr> <tr> <td>1<sup>st</sup> June 2018</td> <td>01.06.2018</td> </tr> <tr> <td rowspan="2">3</td> <td rowspan="2">2018-2019</td> <td>1<sup>st</sup> Dec 2018</td> <td>28.11.2018</td> </tr> <tr> <td>1<sup>st</sup> June 2019</td> <td>23.05.2019</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">2019-2020</td> <td>1<sup>st</sup> Dec 2019</td> <td>14.11.2019</td> </tr> <tr> <td>1<sup>st</sup> June 2020</td> <td>29.05.2020</td> </tr> <tr> <td rowspan="2">5</td> <td rowspan="2">2020-2021</td> <td>1<sup>st</sup> Dec 2020</td> <td>30.11.2020</td> </tr> <tr> <td>1<sup>st</sup> June 2021</td> <td>31.05.2021</td> </tr> <tr> <td rowspan="2">6</td> <td rowspan="2">2021-2022</td> <td>1<sup>st</sup> Dec 2021</td> <td>01.12.2021</td> </tr> <tr> <td>1<sup>st</sup> June 2022</td> <td>26.05.2022</td> </tr> <tr> <td rowspan="2">7</td> <td rowspan="2">2022-2023</td> <td>1<sup>st</sup> Dec 2022</td> <td>19.11.2022</td> </tr> <tr> <td>1<sup>st</sup> June 2023</td> <td>---</td> </tr> </tbody> </table>	Sr. No	Year	Period Up To	Submission Date	1	2016-2017	1 <sup>st</sup> Dec 2016	26.11.2016	1 <sup>st</sup> June 2017	16.05.2017	2	2017-2018	1 <sup>st</sup> Dec 2017	01.12.2017	1 <sup>st</sup> June 2018	01.06.2018	3	2018-2019	1 <sup>st</sup> Dec 2018	28.11.2018	1 <sup>st</sup> June 2019	23.05.2019	4	2019-2020	1 <sup>st</sup> Dec 2019	14.11.2019	1 <sup>st</sup> June 2020	29.05.2020	5	2020-2021	1 <sup>st</sup> Dec 2020	30.11.2020	1 <sup>st</sup> June 2021	31.05.2021	6	2021-2022	1 <sup>st</sup> Dec 2021	01.12.2021	1 <sup>st</sup> June 2022	26.05.2022	7	2022-2023	1 <sup>st</sup> Dec 2022	19.11.2022	1 <sup>st</sup> June 2023	---
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		1 <sup>st</sup> June 2018	01.06.2018																																													
3	2018-2019	1 <sup>st</sup> Dec 2018	28.11.2018																																													
		1 <sup>st</sup> June 2019	23.05.2019																																													
4	2019-2020	1 <sup>st</sup> Dec 2019	14.11.2019																																													
		1 <sup>st</sup> June 2020	29.05.2020																																													
5	2020-2021	1 <sup>st</sup> Dec 2020	30.11.2020																																													
		1 <sup>st</sup> June 2021	31.05.2021																																													
6	2021-2022	1 <sup>st</sup> Dec 2021	01.12.2021																																													
		1 <sup>st</sup> June 2022	26.05.2022																																													
7	2022-2023	1 <sup>st</sup> Dec 2022	19.11.2022																																													
		1 <sup>st</sup> June 2023	---																																													
xiv)	<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 shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.</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 2021-22 is submitted to WBPCB vide letter no. OMPL-I/ENV_Statement/2021-2022 dated 23.09.2022 and also uploaded on the website of the company <a href="http://orissametaliks.com/qehs.html">http://orissametaliks.com/qehs.html</a>.</p>																																														
xv)	<p>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 <a href="http://envfor.nic.in">http://envfor.nic.in</a>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwards to the Regional office at Bhubaneswar.</p>	<p style="text-align: center;">Complied</p> <p>Advertisement within seven days from the date of issue of the Environment clearance amendment &amp; 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"> <li>• Aajkal (Bengali Version) dated 10.07.2021</li> <li>• Echo of India (English version) dated 10.07.2021</li> </ul> <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)	<p>Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.</p>	<p style="text-align: center;">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 enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	Noted

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

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

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>  <b>M/s. Orissa Metaliks Pvt. Ltd.(Unit I)</b>  Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (I), Paschim Medinipur: 721301, West Bengal.	Report No.	: QLS/P-33/23-24/C/01
	Date	: 05.05.2023
	Sample No.	: QLS/P-33/23-24/01
	Sample Description	: Ambient Air
	Date of performance	: 21.03.2023-27.03.2023
	Ref No. Date	: O122368532;Dated-27.09.2022

## Analysis Result

Location : Near Plant Main Gate		Date of sampling : 19.03.2023-20.03.2023		
Sampling Done by: P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m <sup>3</sup>	71	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m <sup>3</sup>	34	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	8.8	80	IS: 5182 (Part-7)-2001, (RA-2017)
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	31.5	80	IS: 5182 (Part-6)-(RA-2017)
5	Carbon Monoxide (CO) in µg/m <sup>3</sup>	801	2000	IS: 5182 (Part-10)-(RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

for Qualissure Laboratory Services

Reviewed &amp; Authorized By



Benmedhab Goral, Chemist  
(Authorized Signatory)

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



## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	<b>Report No.</b> : QLS/P-33/23-24/C/03
<b>M/s. Orissa Metaliks Pvt. Ltd.(Unit I)</b>	<b>Date</b> : 05.05.2023
<b>Mouza - Mathurakismat &amp; Amba, Vill- Gokulpur, P.O- Shyamraipur, P.5- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.</b>	<b>Sample No.</b> : QLS/P-33/23-24/03
	<b>Sample Description</b> : Ambient Air
	<b>Date of performance</b> : 21.03.2023-27.03.2023
	<b>Ref No. Date</b> : D122368532; Dated-27.09.2022

## Analysis Result

<b>Location</b> : Shyamraipur Village		<b>Date of sampling</b> : 19-20.03.2023		
<b>Sampling Done by</b> : P.Mahato		<b>Sampling done as per</b> : CPCB Guidelines (Volume-1)		
<b>Environmental Condition</b> : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m <sup>3</sup>	76	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m <sup>3</sup>	37	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	7.0	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	29.5	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m <sup>3</sup>	664	2000	IS: 5182 (Part- 10)- (RA-2017)
<b>NOTE:</b> Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

*Signature*

for Qualissure Laboratory Services

Reviewed & Authorized By

*Signature*

Benimadhab Gorai, Chemist  
(Authorized Signatory)





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

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	<b>Report No.</b> : QLS/P-33/23-24/C/02
<b>M/s. Orissa Metaliks Pvt. Ltd.(Unit I)</b>	<b>Date</b> : 05.05.2023
<b>Mouza- Mathurakismat &amp; Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.</b>	<b>Sample No.</b> : QLS/P-33/23-24/02
	<b>Sample Description</b> : Ambient Air
	<b>Date of performance</b> : 21.03.2023-27.03.2023
	<b>Ref No. Date</b> : O122368532;Dated-27.09.2022

## Analysis Result

Location : Amba Village		Date of sampling : 19-20.03.2023		
Sampling Done by: P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	LIMIT	Method of Test Reference
1	Particulate matter (<10µm) in µg/m <sup>3</sup>	65	100	IS: 5182 (Part-23)-(RA-2017)
2	Particulate matter (<2.5µm) in µg/m <sup>3</sup>	29	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	7.2	80	IS: 5182 (Part-2)-2001, (RA-2017)
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	28.7	80	IS: 5182 (Part- 6)- (RA-2017)
5	Carbon Monoxide (CO) in µg/m <sup>3</sup>	744	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:

*Signature*

for Qualissure Laboratory Services  
Reviewed & Authorized By



Benimadhab Goral, Chemist  
(Authorized Signatory)

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced without the permission of Qualissure Laboratory Services.
- The measured value of pollutants, except particulate matter, shall be reported for 24 hours from the date of issue of the Test Report.

# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

## ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) Stack\_2\_Rotary Kiln\_1&2\_100 TPD\_Orissa Metaliks\_WB

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

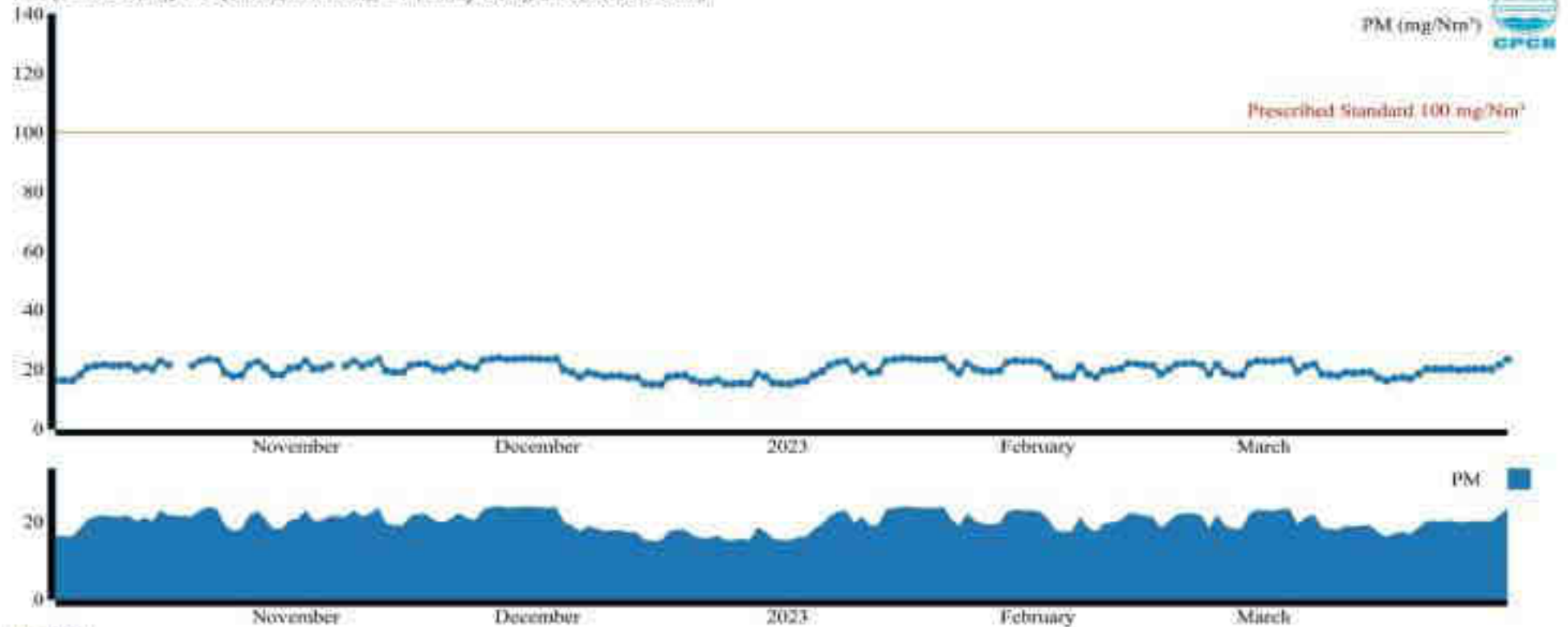
Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait ...

1-U (Usable Data), 4-C (Calibration Data), 5-F (Faulty Data), 6-Z (ZeroCal Data)



Close(X)

Select All

PM

Time Range: 15 Days Ago

# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) STACK\_1, DRU 3 & 4 (1 x 100 TPD), Orissa Metaliks, WB

Tata Metaliks Road, Gokulpur, Nimgura - 721304, Medinipur (W), Kharagpur, West Bengal Kharagpur West Bengal 721304.

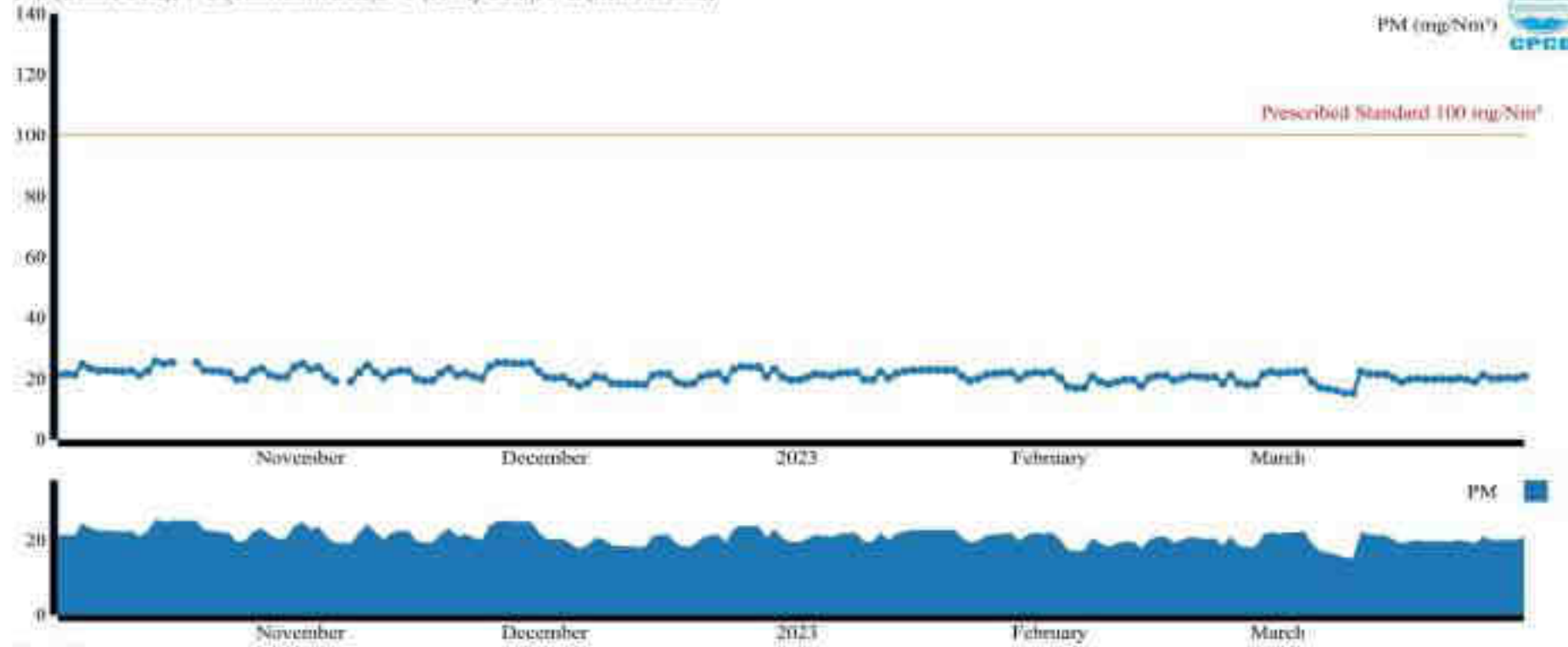
Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait . . .

1-U (Usable Data), 4-C (Calibration Data), 5-F (Faulty Data), 6-Z (Zero-Cal Data)



Close X

Select All

PM

Time Range: 15 Days Ago

# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

## ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) Stack\_6\_DRI 5 and 6, Orissa Metaliks

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

Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait ..

1=U (Usable Data), 4=C (Calibration Data), 5=F (Faulty Data), 6=Z (ZeroCal Data)



Close(X)

Select All

PM

Time Range: 15 Days Ago

# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

## ANNEXURE : II

**ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) Stack\_3\_Rotary Kilo\_7\_150 TPD\_Orissa Metallicks\_WB**

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

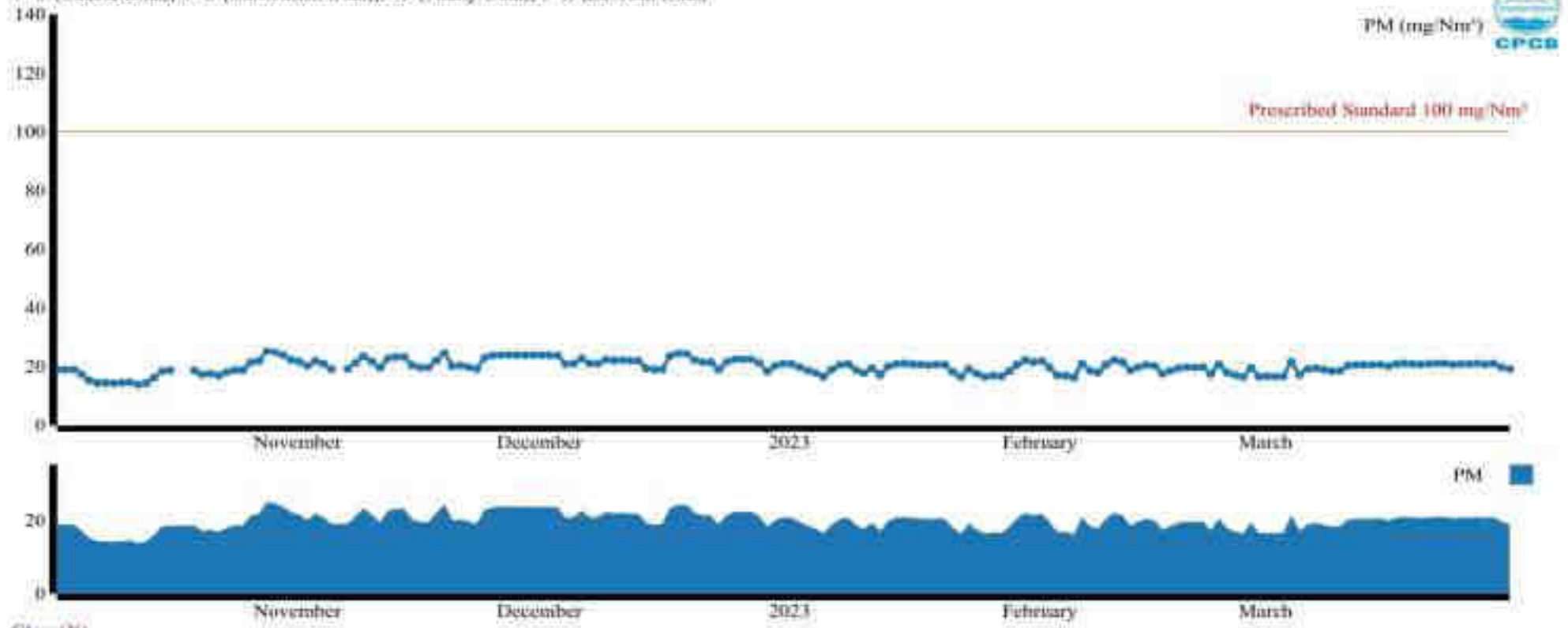
Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait 

1-U (Usable Data), 4-C (Calibration Data), 5-F (Faulty Data), 6-Z (Zero/Cal Data)



Close(X)

Select All

PM

Time Range: 15 Days Ago

# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) 00WB253 Stack\_B, Sponge Iron KIB-I x500 TPD

Tata Metaliks Hindal, Gokulpur, Nimpura - 721364, Medinipur (W), Kharagpur, West Bengal Kharagpur West Bengal 721364.

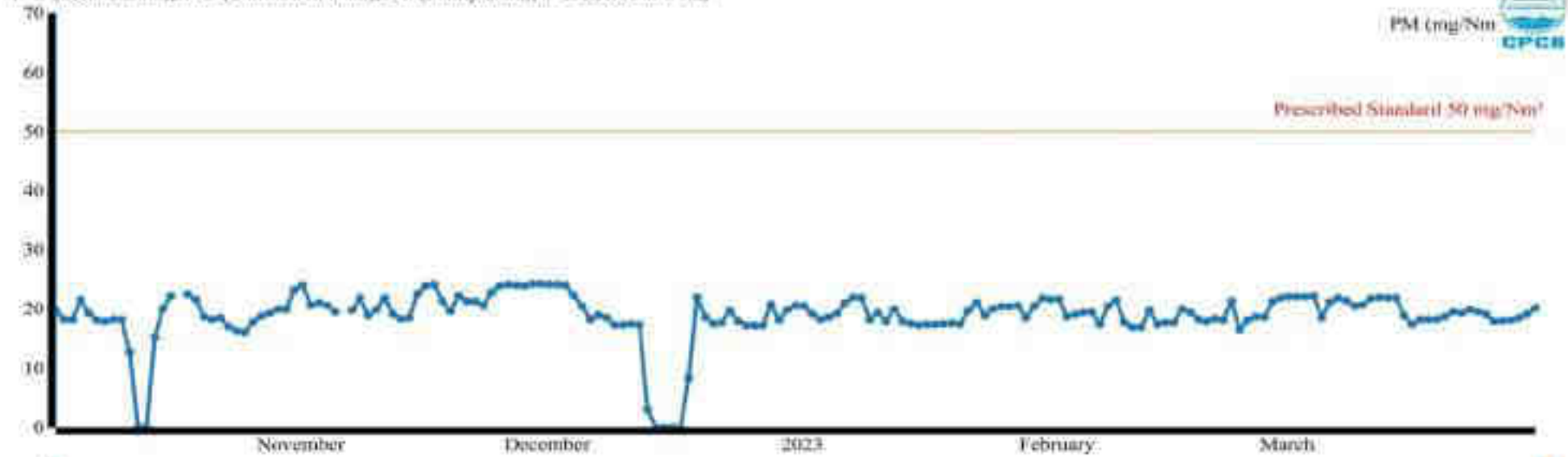
Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait . . .

1=U (Usable Data), 4=C (Calibration Data), 5=F (Faulty Data), 6=Z (Zero-Cal Data)



Close(X)

Select All

PM

Time Range 15 Days Ago

# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) Stack\_4 AFBC Boiler\_30TPIH Orissa  
Metaliks\_WB

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

Start Date - 2022-10-01

End Date - 2023-03-31

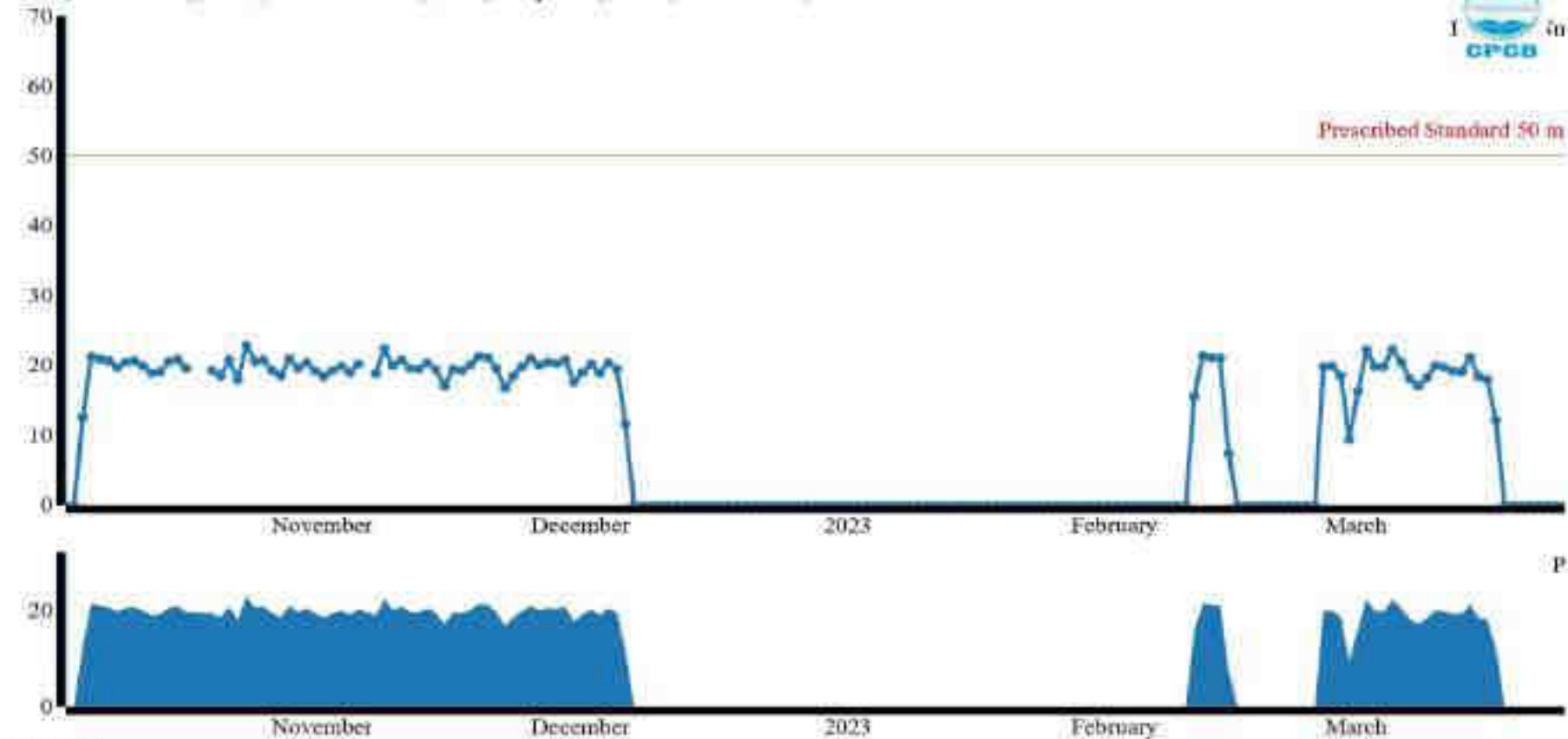
Average - daily

Please wait ...

1-U (Usable Data), 4-C (Calibration Data), 5-F (Faulty Data), 6-Z (ZeroCal-Data)



Prescribed Standard 50 m



Close (X)

Select All

# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

## ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) STACK 4\_CPP (AFBC BASED)

Data Metallic Road, Gokulpur, Nimpura - 721304,Medinipur (W), Kharagpur, West Bengal Kharagpur West Bengal 721304

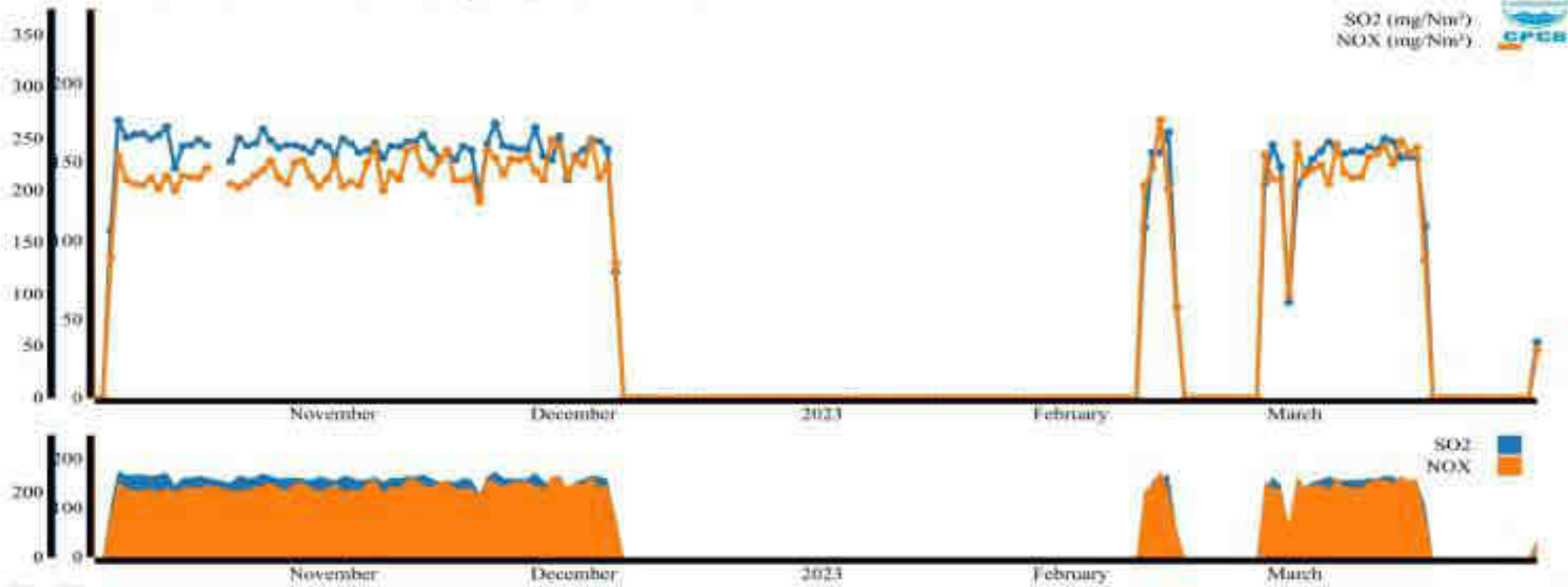
Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait ...

1-U (Usable Data), 4-C (Calibration Data), 5-F (Faulty Data), 6-Z (ZeroCal Data)



- Close(X)
- Select All
- SO2
- NOX
-



# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) Stack\_5 CFBC Boiler\_100TPH, Orissa Metaliks, WB

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

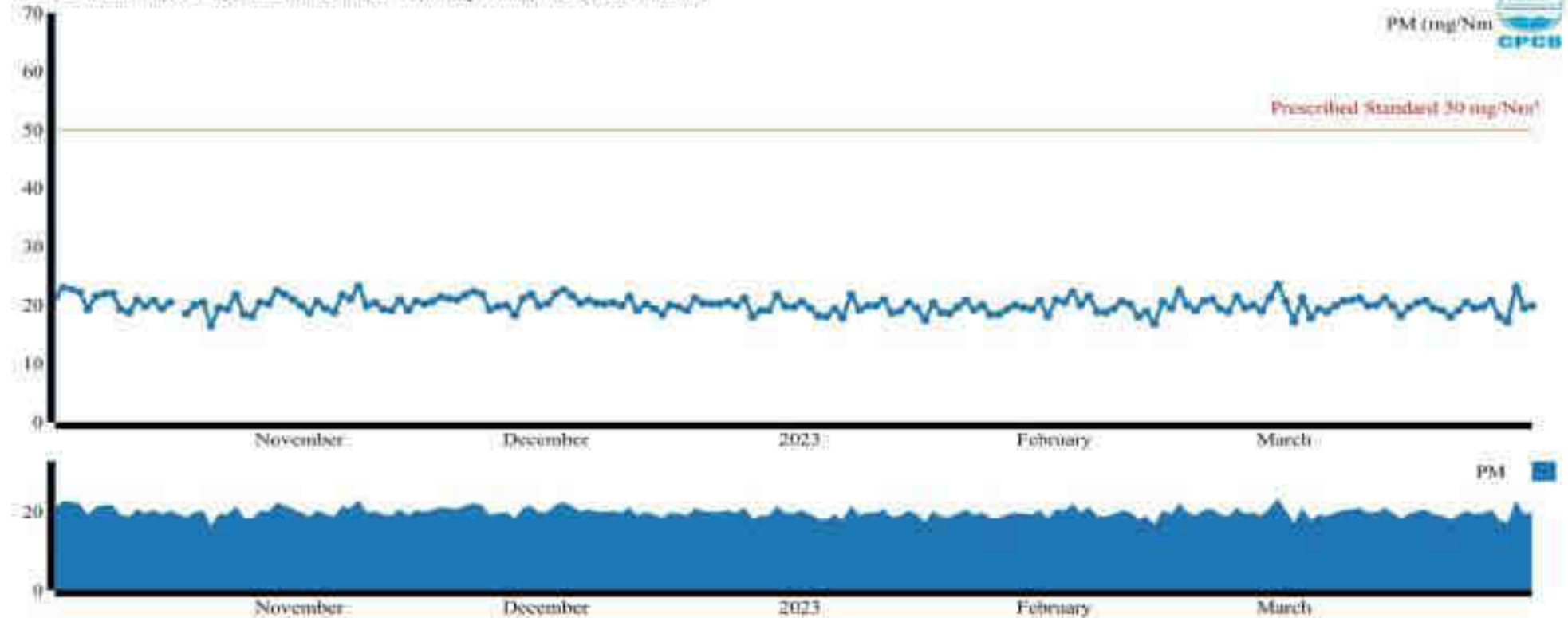
Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait... 

1-U (Usable Data), 4-C (Calibration Data), 5-F (Faulty Data), 6-Z (ZeroCal Data)



# OCEMS REPORT (OCTOBER 2022 TO MARCH 2023)

ANNEXURE : II

ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-ID) STACK # CPP (CFBC BASED)

Data Metalik Road, Gofolpur, Singpara - 721304, Medinipur (W), Kharagpur, West Bengal (Kharagpur West Bengal 721304)

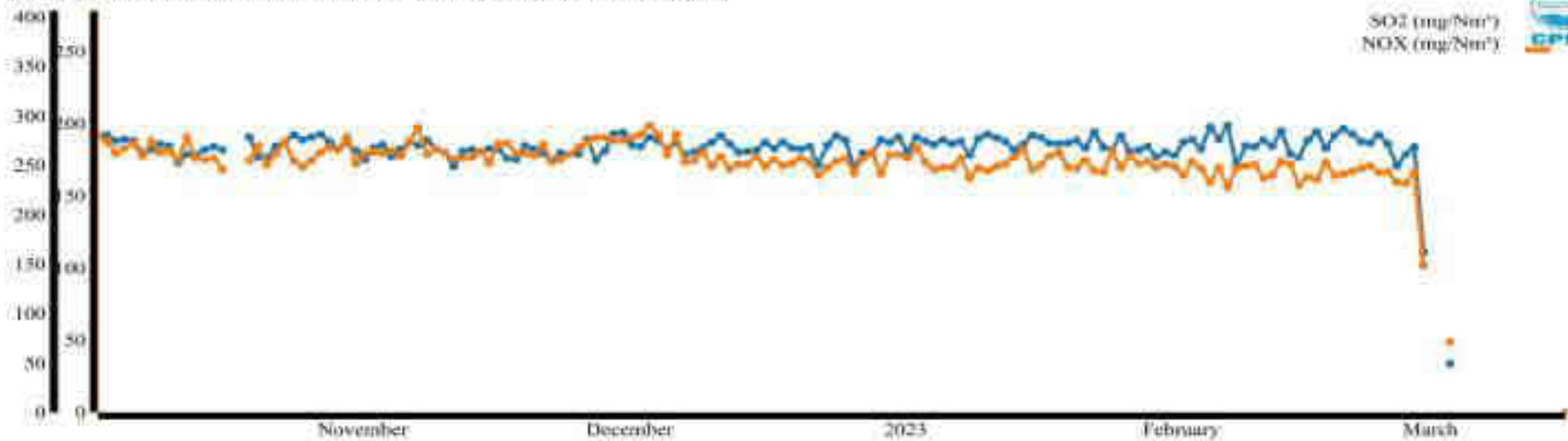
Start Date - 2022-10-01

End Date - 2023-03-31

Average - daily

Please wait...

1=U (Unable Data), 4=C (Calibration Data), 5=F (Faulty Data), 6=Z (ZeroCal Data)



- Class/No
- Select All
  - SO2
  - NOX
  -

# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

### Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks (p) Ltd (Unit-1)	
2. Address		Vill- Gokulpur, PO- Samraipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red, Steel plant	
4. Sampling Date		24/11/2022	
5. Duration of Sampling		31 min	
6. Name of Laboratory		S M Scientific Services	
7. Height of Stack from ground (m)		52.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.14	
9. Stack connected to		Rotary Kiln No.-1 & 2 (Attached with common stack)	
10. Emission due to (Furnace /Boiler)		Oxidation Of Coal & Reduction of Iron ore	
11. Average operational hours of boiler/ furnace (per month)		720 Hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		100 TPD=2	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		4.0 TPH (each)	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		120.0	
19. Flue gas velocity m/s	8.25	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1,023
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.7970	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -10.2% & O <sub>2</sub> -9.4%
23. To be compensated at (% , if required)		-	
24. Initial wt of thimble (gm)	1.4900	25. Final wt of thimble (gm)	1.4990
26. Wt. of PM (mg)	9.0	27. Particulate matter (mg/Nm <sup>3</sup> )	11.29
28. Barometric Pressure Head	760 mm of Hg	29. Diameter of the nozzle	9.523 mm
30. Others:-		31. Thimble No.	167
32. Sampled by:		K. Sahoo, N C Barai AEE, HRO & P. Mukherjee, JEE, HRO	

\*Done by S M Scientific Services

\_\_\_\_\_  
Scientist

*K. Sahoo*  
Signature of In-Charge  
08/12/22

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

# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

Analysis Report of Gaseous Emission  
Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks (p) Ltd (Unit-1)	
2. Address		VIII-Gokulpur, PO- Samraipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red, Steel plant	
4. Sampling Date		24/11/2022	
5. Duration of Sampling		30 min	
6. Name of Laboratory		S M Scientific Services	
7. Height of Stack from ground (m)		52.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.14	
9. Stack connected to		Rotary Kiln No.-3 & 4 (Attached with common stack)	
10. Emission due to (Furnace/Boiler)		Combustion Of Coal & Reduction of Iron ore	
11. Average operational hours of boiler/ furnace (per month)		720 Hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		100 TPD×2	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or L/hr)		-	
16. Working Fuel consumption (Kg or L/hr)		4.0 TPH (each)	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		132.0	
19. Flue gas Velocity m/s	8.86	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.02
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.8000	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -10.6% & O <sub>2</sub> -9.0%
23. To be compensated at (% if required)		-	
24. Initial wt of thimble (gm)	1.4386	25. Final wt of thimble (gm)	1.4504
26. Wt. of PM (mg)	11.80	27. Particulate matter (mg/Nm <sup>3</sup> )	14.75
28. Barometric Pressure Head	760 mm of Hg	29. Diameter of the nozzle	9.523 mm
30. Others:-		31. Thimble No.	162
32. Sampled by		K. Sahoo, N C Barai AEE, HRO & P. Mukherjee, JEE, HRO	

\*Done by S M Scientific Services

\_\_\_\_\_  
Signature

*[Handwritten Signature]* 08/11/22  
Signature of in-Charge

- Copy to
1. Chief Engineer, O & E, WBPCB.
  2. Chief Scientist, WBPCB
  3. AEE & IC, H.R.O., WBPCB (two copies)

# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



WEST BENGAL POLLUTION CONTROL BOARD  
HALDIA REGIONAL LABORATORY  
Raghunathchak, P.O. Banghasipar, P.S. - Bhabanipur, Block -  
Purba Medinipur - 721057

### Analysis Report of Gaseous Emission

#### Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metals Pvt. Ltd (Unit 1)	
7. Address		VIII- Gokulpur, P.S. - Shyamraipur, Paschim Medinipur	
3. Category & Type		Red/ Integrated Steel Plant	
4. Sampling Date		24/11/2022	
5. Duration of Sampling		28 min	
6. Name of Laboratory		Envirocheck	
7. Height of Stack from ground (m)		53.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.14	
9. Stack connected to		Rotary Kiln-5 & 6 through WHRB(attached chimney stack)	
10. Emission due to (Furnace/Boiler)		Oxidation of Coal & reduction of Iron Ore	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		100 TPD x 2 ( Both Running)	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or l/hr)			
16. Working Fuel consumption (Kg or l/hr)		4 TPH Each Kiln	
17. Nature of Furnace/Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		130.0	
19. Flue gas velocity (m/s)	10.98	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.008
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9457	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> - 9.8% & O <sub>2</sub> - 10.6%
23. To be compensated at (% if required)			
24. Initial wt of tumbler (gm)	1.5334	25. Final wt of tumbler (gm)	1.5459
26. Wt. of PM (mg)	12.50	27. Particulate matter (mg/Nm <sup>3</sup> )	13.22
28. Barometric Pressure Head	757 mm of Hg	29. Diameter of the nozzle	4.52 mm
30. Others:		31. Tumbler No.	156
32. Sampled by:		K. Sahoo & N C Barui, AEE, HRO & P. Mulherjee, JEE, HRO	

\*Done by Envirocheck

~~Scientist~~

*K. Sahoo*  
Signature of In-Charge  
08/11/22

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

### Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks Pvt. Ltd. (Unit 1)	
2. Address		VIII- Gokulpur, P.S. Shyamraipur, Paschim Medinipur	
3. Category & Type		Red/ Integrated Steel Plant	
4. Sampling Date		24/11/2022	
5. Duration of Sampling		32 min	
6. Name of Laboratory		Envirocheck	
7. Height of Stack from ground (m)		60.0	
8. Cross section of Stack at sampling point (m <sup>2</sup> )		8.045	
9. Stack connected to		Rotary Kiln-7 & 8 through WHRB(attached common stack), Both were running(350 TPD & 600 TPD)	
10. Emission due to (Furnace /Boiler)		Combustion of coal & Pellet	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/ month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		Rotary Kiln 7- 320 TPD & Rotary Kiln 8 - 520 TPD	
14. Fuel used		Coal & Pellet	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Rotary Kiln 7- 3.8 TPH, Pellet- 20 TPH & Rotary Kiln 8 - Coal- 22 TPH & Pellet- 33 TPH	
17. Nature of Furnace /Boiler		Rotary Kiln(350 TPD & 600 TPD)	
18. Flue gas Temp. (°C)		135.0	
19. Flue gas velocity (m/s)	9.32	20. Volume of Flue gas drawn in (lit. m <sup>3</sup> )	1,024
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9702	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> - 10.6% & O <sub>2</sub> - 8.8%
23. To be compensated at (%), (if required)		-	
24. Initial wt of thimble (gm)	1.4431	25. Final wt of thimble (gm)	1.4705
26. Wt. of PM (mg)	27.40	27. Particulate matter (mg/Nm <sup>3</sup> )	28.24
28. Barometric Pressure - Head	757 mm of Hg	29. Diameter of the nozzle	9.52 mm
30. Other:-		31. Thimble No	152
32. Sampled by		K. Sahoo & N C Barai , AEE, HRO & P Mukherjee, JEE, HRO	

\*Done by Envirocheck

*[Signature]*

*[Signature]*  
08/12/22  
Signature of In-Charge

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

### Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks (p) Ltd (Unit-1)	
2. Address		Vill- Gokulpur, PO- Samraipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red, Steel plant	
4. Sampling Date		24/11/2022	
5. Duration of Sampling		33 min.	
6. Name of Laboratory		S M Scientific Services	
7. Height of Stack from ground (m)		60.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		8.29	
9. Stack connected to		Rotary Kiln No.-9 (500 TPD)	
10. Emission due to (Furnace /Boiler)		Combustion Of Coal & Pellet	
11. Average operational hours of boiler/ furnace (per month)		720 Hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		470 TPD	
14. Fuel used		Coal & Pellet	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Coal-18.0 TPH & Pellet—30.0 TPH	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		113.0	
19. Flue gas velocity m/s	7.75	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.023
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.7940	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -11.0%& O <sub>2</sub> -8.8%
23. To be compensated at (%. if required)		-	
24. Initial wt of thimble (gm)	1.4907	25. Final wt of thimble (gm)	1.5113
26. Wt. of PM (mg)	20.60	27. Particulate matter (mg/Nm <sup>3</sup> )	25.94
28. Barometric Pressure Head	760 mm of Hg	29. Diameter of the nozzle	9.523 mm
30. Others:-		31. Thimble No.	161
32. Sampled by:		K. Sahoo, N C Barai AEE, HRO & P. Mukherjee, JEE, HRO	

\*Done by S M Scientific Services

\_\_\_\_\_  
Scientist

*[Signature]*  
Signature of In-Charge  
03/12/22

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



WEST BENGAL POLLUTION CONTROL BOARD  
HALDIA REGIONAL LABORATORY  
Raghunathchak, P.O. Barghasipur, P.S. Shabanipur, Haldia  
Purba Medinipur- 721057

## Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks (p) Ltd (Unit-1)	
2. Address		Vill- Gokulpur, PO- Samraipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red, Integrated Steel plant	
4. Sampling Date		24/11/2022	
5. Duration of Sampling		32 min	
6. Name of Laboratory		M/S Envirocheck	
7. Height of Stack from ground (m)		60.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.14	
9. Stack connected to		AFBC Boiler(30 TPH)	
10. Emission due to (Furnace /Boiler)		Combustion Of Coal	
11. Average operational hours of boiler/ furnace (per month)		720 Hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		30 TPH	
14. Fuel used		Coal & Dolochar	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Coal-3.6 TPH & Dolochar-5.9 TPH	
17. Nature of Furnace /Boiler		AFBC Boiler	
18. Flue gas Temp. (°C)		110.0	
19. Flue gas velocity m/s	9.03	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.024
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9501	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -11.4% & O <sub>2</sub> -8.2%
23. To be compensated at (% , if required)		At 6% O <sub>2</sub>	
24. Initial wt of thimble (gm)	1.4334	25. Final wt of thimble (gm)	1.4562
26. Wt. of PM (mg)	22.80	27. Particulate matter (mg/Nm <sup>3</sup> )	28.13
28. Barometric Pressure Head	757 mm of Hg	29. Diameter of the nozzle	9.52 mm
30. Others:- SO <sub>2</sub> & NO <sub>x</sub>		31. Thimble No.	157
32. Sampled by:		K. Sahoo, N C Baral AEE, HRO & P. Mukherjee, JEE, HRO	

\*Done by Envirocheck

\_\_\_\_\_  
Scientist

*K. Sahoo*  
Signature of In-Charge  
02/12/22

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III

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

### Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks (p) Ltd (Unit-1)	
2. Address		Vill- Gokulpur, PO- Samrasipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red. Integrated Steel plant	
4. Sampling Date		25/11/2022	
5. Duration of Sampling		27 min	
6. Name of Laboratory		M/S Envirocheck	
7. Height of Stack from ground (m)		52.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.80	
9. Stack connected to		CFBC Boiler(100 TPH)	
10. Emission due to (Furnace /Boiler)		Combustion Of Coal & Dolochar	
11. Average operational hours of boiler/ furnace (per month)		720 Hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		100 TPH, Load-92 TPH	
14. Fuel used		Coal & Dolochar	
15. Rated Fuel consumption (Kg or l/hr)		Coal-8.75 TPH & Dolochar-16.25 TPH	
16. Working Fuel consumption (Kg or l/hr)		-	
17. Nature of Furnace /Boiler		CFBC Boiler	
18. Flue gas Temp. (°C)		117.0	
19. Flue gas velocity m/s	10.73	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.026
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9684	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -11.0% & O <sub>2</sub> -8.8%
23. To be compensated at (%; if required)		-	
24. Initial wt of thimble (gm)	1.4879	25. Final wt of thimble (gm)	1.5036
26. Wt. of PM (mg)	15.7	27. Particulate matter (mg/Nm <sup>3</sup> )	16.21
28. Barometric Pressure Head	757 mm of Hg	29. Diameter of the nozzle	9.5 mm
30. Others:- SO <sub>2</sub> & NO <sub>x</sub>		31. Thimble No.	165
32. Sampled by:		K. Sahoo AEE,HRO	

\*Done by Envirocheck

~~Scientist~~

*K. Sahoo*  
Signature of In-Charge

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III

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

## Analysis Report of Gaseous Emission

### Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Oriasa Metaliks (p) Ltd (Unit-1)	
2. Address		Vill- Gokulpur, PG- Samralpur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red, DRI	
4. Sampling Date		25/11/2022	
5. Duration of Sampling		26 min	
6. Name of Laboratory		S M Scientific Services	
7. Height of Stack from ground (m)		30.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		0.4558	
9. Stack connected to		Cooler Discharge of DRI- 1& 2(Attached with common stack)	
10. Emission due to (Furnace /Boiler)		Process Activity	
11. Average operational hours of boiler/ furnace (per month)		720 Hrs/month	
12. APC System (if any)		Bag Filter	
13. Working load of source (MT/hr)		-	
14. Fuel used		-	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		-	
17. Nature of Furnace /Boiler		-	
18. Flue gas Temp. (°C)		41.0	
19. Flue gas velocity m/s	9.00	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.014
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9450	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	-
23. To be compensated at (% if required)		-	
24. Initial wt of thimble (gm)	1.4450	25. Final wt of thimble (gm)	1.4457
26. Wt. of PM (mg)	0.70	27. Particulate matter (mg/Nm <sup>3</sup> )	0.74
28. Barometric Pressure Head	761 mm of Hg	29. Diameter of the nozzle	9.523 mm
30. Others:-		31. Thimble No.	163
32. Sampled by:		K. Sahoo, AEE, HRO	

\*Done by S M Scientific Services

\_\_\_\_\_  
Scientist

*for Singh*  
Signature of In-Charge  
08/12/22

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III

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

## Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks (p) Ltd (Unit-I)	
2. Address		VIII- Gokulpur, PO- Samraipur, Kharagpur, Paschim Medinipur	
3. Category & Type		Red,	
4. Sampling Date		25/11/2022	
5. Duration of Sampling		24 min	
6. Name of Laboratory		S M Scientific Services	
7. Height of Stack from ground (m)		30.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		0.5024	
9. Stack connected to		Cooler Discharge of DRU- 3 & 4(Attached with common stack)	
10. Emission due to (Furnace /Boiler)		Process Activity	
11. Average operational hours of boiler/ furnace (per month)		720 Hrs/month	
12. APC System (if any)		Bag Filter	
13. Working load of source (MT/hr)		-	
14. Fuel used		-	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		-	
17. Nature of Furnace /Boiler		-	
18. Flue gas Temp. (°C)		39.0	
19. Flue gas velocity m/s	9.57	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.008
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9230	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	-
23. To be compensated at (% , if required)		-	
24. Initial wt of thimble (gm)	1.4305	25. Final wt of thimble (gm)	1.4329
26. Wt. of PM (mg)	2.40	27. Particulate matter (mg/Nm <sup>3</sup> )	2.60
28. Barometric Pressure Head	761 mm of Hg	29. Diameter of the nozzle	9.523 mm
30. Others:-		31. Thimble No.	164
32. Sampled by:		K. Sahoo, AEE, HRO	

\*Done by S M Scientific Services

\_\_\_\_\_  
Scientist

*for Scientist*  
09/12/22  
Signature of In-Charge

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

## Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks Pvt. Ltd(Unit-1)	
2. Address		Vill- Gokulpur, PS- Shyamraipur, Kharagpur, Dist- Paschim Medinipur	
3. Category & Type		Red/Integrated Steel Plant	
4. Sampling Date		28/02/2023	
5. Duration of Sampling		24 min	
6. Name of Laboratory		M/s Enviro Cell Laboratory	
7. Height of Stack from ground (m)		52.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.14	
9. Stack connected to		Rotary kiln No-5 & 6, through WHRB(attached with a common stack)	
10. Emission due to (Furnace /Boiler)		Oxidation of Coal & reduction of Iron ore	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		100 TPD(Each Kiln)	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Coal-5.2 TPH & Iron Ore-6.7 TPH(Each Kiln)	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		145.0	
19. Flue gas velocity m/s	7.08	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.008
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9654	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -9.6% & O <sub>2</sub> -9.8%
23. To be compensated at (%. if required)		At 12% CO <sub>2</sub>	
24. Initial wt of thimble (gm)	1.6352	25. Final wt of thimble (gm)	1.6498
26. Wt. of PM (mg)	14.60	27. Particulate matter (mg/Nm <sup>3</sup> )	18.90
28. Barometric Pressure Head	755 mm of Hg	29. Diameter of the nozzle	12.7 mm.
30. Others:		31. Thimble No.	325
32. Sampled by:		A, Das & K, Sahoo, AEE, HRO	

\*Done by M/s Enviro Cell Laboratory

*Ganguly*  
Scientist 09/03/23

*Sahoo* 09/03/2023  
Signature of In-Charge

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

## Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks Pvt. Ltd(Unit-1)	
2. Address		VIII- Gokulpur, P.S- Shyamraipur, Kharagpur, Dist- Paschim Medinipur	
3. Category & Type		Red/Integrated Steel Plant	
4. Sampling Date		27/02/2023	
5. Duration of Sampling		25 min	
6. Name of Laboratory		M/s Enviro Cell Laboratory	
7. Height of Stack from ground (m)		52.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.14	
9. Stack connected to		Rotary kiln No-3 & 4, through WHRB(attached with a common stack)	
10. Emission due to (Furnace /Boiler)		Oxidation of Coal & reduction of Iron ore	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		100 TPD	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Coal-5.2 TPH & Iron Ore-6.7 TPH	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		142.0	
19. Flue gas velocity m/s	6.53	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.0
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9609	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -10.0% & O <sub>2</sub> -9.6%
23. To be compensated at (% , if required)		At 12% CO <sub>2</sub>	
24. Initial wt of thimble (gm)	1.445	25. Final wt of thimble (gm)	1.4600
26. Wt. of PM (mg)	15.50	27. Particulate matter (mg/Nm <sup>3</sup> )	19.36
28. Barometric Pressure Head	755 mm of Hg	29. Diameter of the nozzle	12.7 mm
30. Others:		31. Thimble No.	321
32. Sampled by:		A, Das, AEE, HRO & P. Mukherjee, JEE, HRO	

\*Done by M/s Enviro Cell Laboratory

*[Signature]*  
Scientist 07/03/23

*[Signature]*  
Signature of In-Charge 07/03/2023

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

### Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks Pvt, Ltd(Unit-1)	
2. Address		Vill- Gokulpur, PS- Shyamralpur, Kharagpur, Dist- Paschim Medinipur	
3. Category & Type		Red/Integrated Steel Plant	
4. Sampling Date		28/02/2023	
5. Duration of Sampling		27 min	
6. Name of Laboratory		M/s Enviro Cell Laboratory	
7. Height of Stack from ground (m)		30.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		0.5024	
9. Stack connected to		Cooler Discharge of DRJ 1 & 2(attached with common stack) ( Both running)	
10. Emission due to (Furnace /Boiler)		Process Activity(Cooling Of Sponge Iron)	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		Common Bag Filter	
13. Working load of source (MT/hr)		-	
14. Fuel used		NIL	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		NIL	
17. Nature of Furnace /Boiler		Cooler Discharge	
18. Flue gas Temp. (°C)		42.0	
19. Flue gas velocity m/s	8.10	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.026
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9925	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> <0.2% & O <sub>2</sub> -20.6%
23. To be compensated at (% , if required)		-	
24. Initial wt of thimble (gm)	1.5598	25. Final wt of thimble (gm)	1.5610
26. Wt. of PM (mg)	1.20	27. Particulate matter (mg/Nm <sup>3</sup> )	1.21
28. Barometric Pressure Head	755 mm of Hg	29. Diameter of the nozzle	9.53 mm
30. Others:		31. Thimble No.	319
32. Sampled by:		A, Das & K, Sahoo, AEE, HRO	

\*Done by M/s Enviro Cell Laboratory

*S. Sanyal*  
Scientist 09/03/23

*A. Das*  
Signature of In-Charge 09/03/2023

Copy to:

1. Chief Engineer, O & E, WBPCB.
2. Chief Scientist, WBPCB
3. AEE & I/C, H.R.O, WBPCB (two copies)

# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

## Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metaliks Pvt. Ltd(Unit-1)	
2. Address		Vill- Gokulpur, PS- Shyamraipur, Kharagpur, Dist- Paschim Medinipur	
3. Category & Type		Red	
4. Sampling Date		27/02/2023	
5. Duration of Sampling		25 min	
6. Name of Laboratory		M/s Enviro Cell Laboratory	
7. Height of Stack from ground (m)		60.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.29	
9. Stack connected to		Rotary kilnNo-9 through WHRB	
10. Emission due to (Furnace /Boiler)		Combustion of Coal & Pellet	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		470 TPD	
14. Fuel used		Coal & Pellet	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		28 TPH(Iron) & Coal-27.1 TPH	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		160.0	
19. Flue gas velocity m/s	6.76	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.0
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9546	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -10.0% & O <sub>2</sub> -9.6%
23. To be compensated at (% , if required)		At 12% CO <sub>2</sub>	
24. Initial wt of thimble (gm)	1.5243	25. Final wt of thimble (gm)	1.5430
26. Wt. of PM (mg)	18.70	27. Particulate matter (mg/Nm <sup>3</sup> )	23.51
28. Barometric Pressure Head	755 mm of Hg	29. Diameter of the nozzle	12.7 mm
30. Others:		31. Thimble No.	322
32. Sampled by:		A. Das, AEE, HRO & P. Mukherjee, JEE, HRO	

\*Done by M/s Enviro Cell Laboratory

*[Signature]*  
Scientist 07/03/23

*[Signature]*  
Signature of In-Charge 09/03/23

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# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

## Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry:		M/s Orissa Metaliks Pvt. Ltd(Unit-1)	
2. Address		Vill- Gokulpur, PS- Shyamraipur, Kharagpur, Dist- Paschim Medinipur	
3. Category & Type		Red/Integrated Steel Plant	
4. Sampling Date		28/02/2023	
5. Duration of Sampling		25 min	
6. Name of Laboratory		M/s Enviro Cell Laboratory	
7. Height of Stack from ground (m)		60.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		8.29	
9. Stack connected to		Rotary Kiln No.-7 & 8 Through WHRB(attached with common stack)	
10. Emission due to (Furnace /Boiler)		Combustion Of Coal	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		Kiln 7-320 TPD, Kiln.-8-580 TPD	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Kiln No.7 -17.8 TPH(Coal),18.5 TPH(Pellet), Kiln No.-8-32.5 TPH(Coal), 33.0 TPH(Pellet)	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		140.0	
19. Flue gas velocity m/s	6.55	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.0
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9641	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -10.6% & O <sub>2</sub> -8.8%
23. To be compensated at (% , if required)		At 12% CO <sub>2</sub>	
24. Initial wt of thimble (gm)	1.5020	25. Final wt of thimble (gm)	1.5249
26. Wt. of PM (mg)	22.90	27. Particulate matter (mg/Nm <sup>3</sup> )	26.84
28. Barometric Pressure Head	755 mm of Hg	29. Diameter of the nozzle	12.7 mm
30. Others:		31. Thimble No.	324
32. Sampled by:		A. Das & K. Sahoo, AEE, HRO	

\*Done by M/s Enviro Cell Laboratory

*[Signature]*  
Scientist 09/03/23

*[Signature]*  
09/03/2023  
Signature of In-Charge

Copy to:

1. Chief Engineer, O & E, WBPCB.
2. Chief Scientist, WBPCB
3. AEE & I/C, H.R.O, WBPCB (two copies)



# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

## Analysis Report of Gaseous Emission Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metalliks Pvt. Ltd(Unit-1)	
2. Address		VIII- Gokulpur, P.S- Shyamraipur, Kharagpur, Dist- Paschim Medinipur	
3. Category & Type		Red/Integrated Steel Plant	
4. Sampling Date		28/02/2023	
5. Duration of Sampling		24 min	
6. Name of Laboratory		M/s Enviro Cell Laboratory	
7. Height of Stack from ground (m)		52.0	
8. Cross section of Stack at sampling point(m <sup>2</sup> )		3.80	
9. Stack connected to		CFBC Boiler(100 TPH)	
10. Emission due to (Furnace /Boiler)		Combustion Of Coal & Dolochar	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		90 TPD	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Coal-11.0 TPH & Dolochar-11.0 TPH	
17. Nature of Furnace /Boiler		Boiler	
18. Flue gas Temp. (°C)		128.0	
19. Flue gas velocity m/s	12.08	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.008
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9591	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -11.0% & O <sub>2</sub> -8.4%
23. To be compensated at (% , if required)		At 6% O <sub>2</sub>	
24. Initial wt of thimble (gm)	1.4610	25. Final wt of thimble (gm)	1.4812
26. Wt. of PM (mg)	20.20	27. Particulate matter (mg/Nm <sup>3</sup> )	25.07
28. Barometric Pressure Head	755 mm of Hg	29. Diameter of the nozzle	9.53 mm
30. Others:		31. Thimble No.	326
32. Sampled by:		A, Das & K, Sahoo, AEE, HRO	

\*Done by M/s Enviro Cell Laboratory

*[Signature]*  
Scientist 09/03/23

*[Signature]*  
Signature of In-Charge 09/03/23

- Copy to:
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  2. Chief Scientist, WBPCB
  3. AEE & I/C, H.R.O, WBPCB (two copies)

# Analysis Report of Gaseous Emission by WBPCB

ANNEXURE : III



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

### Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Orissa Metals Pvt. Ltd(Unit-I)	
2. Address		Villi- Gokulpur, PS- Shyamraipur, Kharagpur, Dist- Paschim Medinipur	
3. Category & Type		Refr	
4. Sampling Date		27/02/2023	
5. Duration of Sampling		27 min	
6. Name of Laboratory		M/s Enviro Cell Laboratory	
7. Height of stack from ground (m)		52.0	
8. x rise section of stack at sampling point(m <sup>2</sup> )		3.14	
9. Stack connected to		Rotary kiln No-1 & 2 through WHRB(attached with common stack)	
10. Emission due to (Furnace /Boiler)		Oxidation of Coal & Reduction of Iron Ore	
11. Average operational hours of boiler/ furnace (per month)		720 hrs/month	
12. APC System (if any)		ESP	
13. Working load of source (MT/hr)		100 TPD	
14. Fuel used		Coal	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		Coal-3.2 TPH & Iron Ore-6.7 TPH	
17. Nature of Furnace /Boiler		Rotary Kiln	
18. Flue gas Temp. (°C)		135.0	
19. Flue gas velocity m/s	6.28	20. Volume of Flue gas drawn in lit (m <sup>3</sup> )	1.026
21. Corrected flue gas volume (Nm <sup>3</sup> )	0.9795	22. Percentage CO <sub>2</sub> & O <sub>2</sub>	CO <sub>2</sub> -9.8% & O <sub>2</sub> -9.6%
23. To be compensated at (% if required)		At 12% CO <sub>2</sub>	
24. Initial wt of thimble (gm)	1.5302	25. Final wt of thimble (gm)	1.5446
26. Wt. of PM (mg)	14.40	27. Particulate matter (mg/Nm <sup>3</sup> )	18.00
28. Barometric Pressure Head	755 mm of Hg	29. Diameter of the nozzle	12.7 mm
30. Others:		31. Thimble No.	323
32. Sampled by:		A, Das, AEE, HRO & P. Mukherjee, JEE, HRO	

\* Done by M/s Enviro Cell Laboratory

*Ganguly*  
Scientist 09/03/2023

*Signature*  
Signature of In-Charge 09/03/2023

- Copy to:
1. Chief Engineer, O & E, WBPCB.
  2. Chief Scientist, WBPCB
  3. AEE & IC, H.R.O, WBPCB (two copies)



## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	<b>Report No. :</b>	QLS/P-33/23-24/C/04
<b>M/s. Orissa Metaliks Pvt. Ltd. (Unit I)</b>	<b>Date :</b>	05.05.2023
<b>Mouza- Mathurakismat &amp; Amba, VIII-</b>	<b>Sample No. :</b>	QLS/P-33/23-24/04-08
<b>Gokulpur, P.O- Sityamraipur, P.S-</b>	<b>Sample Description :</b>	Fugitive Air Monitoring
<b>Kharagpur (L), Paschim Medinipur-</b>	<b>Date of performance :</b>	21.03.2023-27.03.2023
<b>721301, West Bengal.</b>	<b>Ref No. Date :</b>	O122368532 Dated 27.09.2022

## Analysis Result of Fugitive Air

Sampling Done by: P.Mahato			
Environmental Condition : Clear & Sunny			
Sampling done as per : CPCB Guidelines (Volume-1)			
Sample No.	Location	Date of Sampling	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$
04	DRI Plant Area	19.03.2023	325
05	CPP Area		336
06	Near Fly Ash Silo Area		995
07	Product House	20.03.2023	602
08	Truck Parking Area		252
<b>NOTE:</b> Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

Report Prepared By:

*Carika*

for Qualissure Laboratory Services  
 Reviewed & Authorized By

*Benimadhab Goral*

Benimadhab Goral, Chemist  
 (Authorized Signatory)

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



## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>  <b>M/s. Orissa Metalliks Pvt. Ltd.(Unit I)</b>  Mouza- Mathurakismat & Amba, VIII- Gokulpur, P.O- Shyamralpur, P.S- Kharagpur (I), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/22-23/C/15
	Date	: 28.04.2023
	Sample No.	: QLS/P-33/22-23/C/15
	Sample Description	: Leachate
	Sample Location	: Dolochar
	Period Of Analysis	: 21.03.2023
	Sample Drawn On	: 22.03.2023-27.03.2023
	Ref No. Date	: Q122368532;Dated-27.09.2022

## 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	0.87	250
2.	Lead (as Pb) in mg/l	APHA 24th Edition-2023, 3111 B	0.41	5.0
3.	Copper (as Cu) in mg/l	APHA 24th Edition-2023, 3111 B	0.46	25.0
4.	Cobalt (as Co) in mg/l	APHA 24th Edition-2023, 3111 B	0.39	80.0
5.	Nickel (as Ni) in mg/l	APHA 24th Edition-2023, 3111 B	0.82	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	0.62	5.0
9.	Manganese (as Mn) in mg/l	APHA 24th Edition-2023, 3111 B	1.4	10.0

Report Prepared By:

for Qualissure Laboratory Services  
 Reviewed & Authorized By

Bishnupriya Banerjee, Chemist  
 (Authorized Signatory)



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

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

1	a)	<b>Name of the Project :</b>	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)	<b>Environment Clearance Nos. :</b>	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	<b>Location, Block/ Sub. Div./ Dist./ State:</b>		Mouza – Mathurakismat & Amba, Village - Gokulpur, P.O. - Shyamraipur, P.S. - Kharagpur, District - Paschim Medinipur, West Bengal		
3	<b>Address for communication :</b>		1, Grastin Place, Orbit House, 3rd Floor, Room No - 3B, Kolkata - 700 001		
4	<b>Existing Vegetation in the area/ region :</b>		Industrial Land		
	a)	Species (trees/shrubs/grasses/climbers)	NA		
	b)	Major prevalent species of each type	NA		
5	<b>Land Coverage by the project</b>				
	a)	Total area under the project	40 Acres		
	b)	Area covered for basic infrastructure (roads/building/factory etc.)	26.8 Acres		
6	<b>Details about natural vegetation</b>		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	<b>Plantation required to be carried out as per</b>				
	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	2265@ Rs. 108 per sapling		
8	<b>Details of Plantation</b>				
	a)	Plantation Details (Category wise & methodology used)	Year of Plantation	Species Planted	Quantity
			2022-23	Krishnachura	100
				Sisoo	100
				Mahogany	100
				Neem	100
				Chhatim	100
				Kadam	100
				Bakul	100
				Bottle/ Fox/Arica Palm	30
				Siris	100
				Karanja	55
				Amaltas	50
				Arjun	100
Sonajhuri	65				



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

				Yellow Oleander	100		
				Palash	65		
				Guava	250		
				Tabebuia rosea	150		
				Conocarpus	150		
				Jarul	100		
				Lambu	100		
				Gamar	100		
				Neruim	100		
				Mahua	50		
				Inka, Dalhia, Pitunia, Chandra	120		
		Survival of Plantation	Before 2019	2019-20	2020-21	2021-22	2022-23
	b)	Total seeding / Plantation (No.)	3000	6500	10000	3500	3265
		Survival Trees (No) as on date from date of EC	1500	6045	9300	3255	3036
		Survival	50%	93%	93%	93%	93%
9	<b>Agency carrying out plantation and maintenance</b>		Our own horticulture department & third party				
10	<b>Financial details (year wise) plantation wise and item wise</b>		Sl. No.	Year	Funds allocated (Rupees)	Expenditure made including voluntarily tree plantation cost (Rupees)	
			1	2022- 2023	10,50,000	10,62,600	



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

**PHOTOGRAPH**



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Kalyanpur Village**

**Parameters : PM 10**

Station Name

01/04/2018/01/04/2018\_1001

Station

Station

Parameter

KalyanpurVillage-PM10

Date

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

Address

MOU-KATHIBER KUMAR And Co. (India) Private Limited, VITAGRANULAPUR, HINDUSTAN METALS ROAD

City

West Bengal

Region Format

Graph

City

Kalyanpur

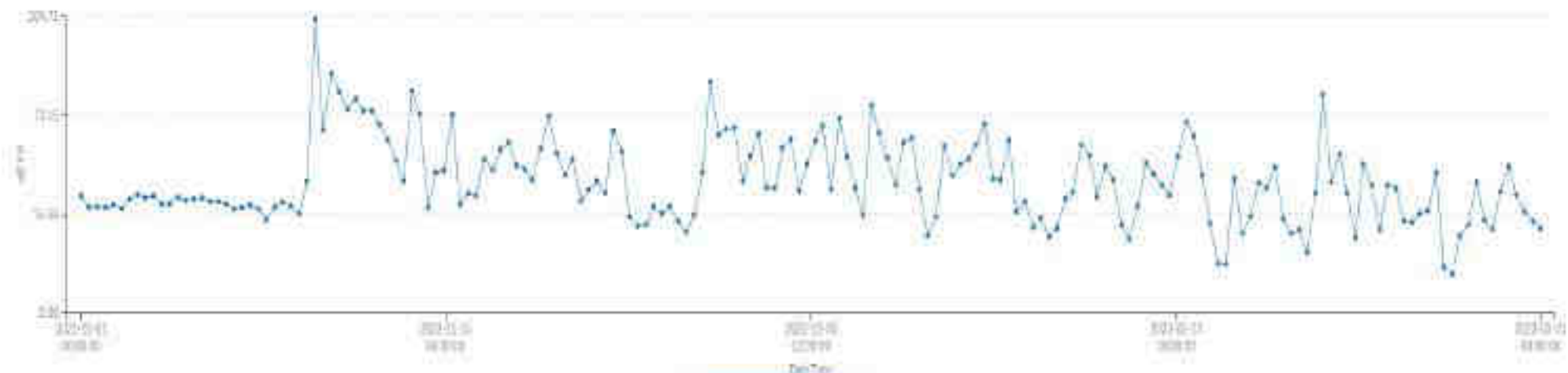
Country

India

Color

Index

Graphical view



KalyanpurVillage-PM10\_Data



# CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Kalyanpur Village**

**Parameters : PM 2.5**

Information: Group Name: Project Control (0001), Station: Metri pur, Parameters: KalyanpurVillage-PM2.5, Date: From: 2022/10/01 00:00:00 To: 2022/03/31 23:59:59

Address: House-141/104 KUMAR and Anba Lakshmi Village-7,metripur (POSTADA METRI PUR) RD

City: Kuvempur, State: Karnataka, District: Tumkur, Country: India, Pin Code: 562101

Graphical view Print



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Kalyanpur Village**

**Parameters : SO<sub>2</sub>**

Industry/State

Other Major Pollutants (linked) (Unit)

State

Majority

Parameter

KALYANPURVILL-102

Date

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

Graphical view

Address

REG-05-WATA-104-KOQMAT and Area Group of Reg. Hyderabad (CO)DATA-HSTA(LASROAD)

State

West Bengal

Report Format

Table

City

Kharagpur

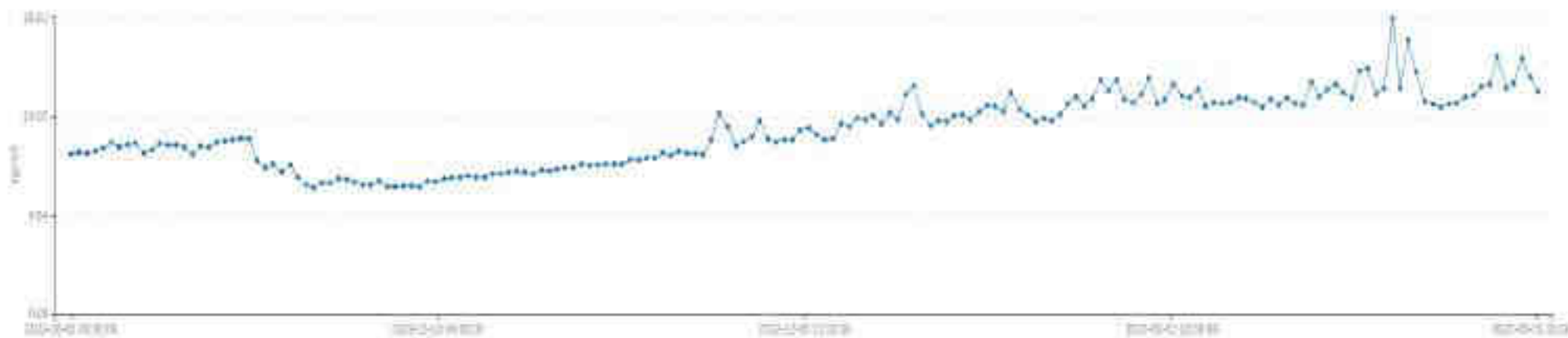
Category

Non-Fer Metal

Group

SO<sub>2</sub>

Print



KALYANPURVILL-102\_2km

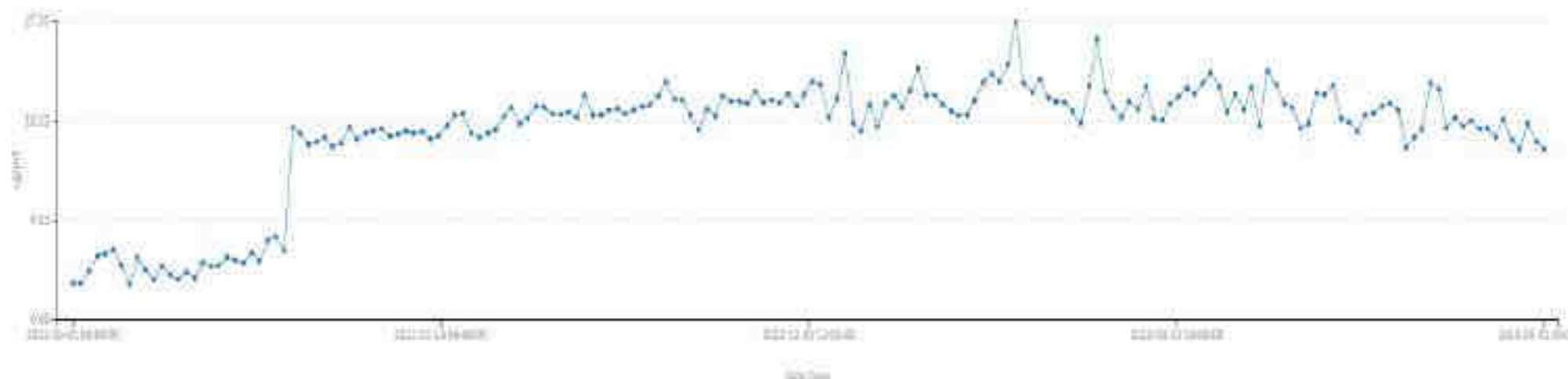
## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Kalyanpur Village**  
**Parameters : NOx**

<a href="#">Station Name</a>	<a href="#">Address</a>	<a href="#">City</a>
<a href="#">District</a>	<a href="#">State</a>	<a href="#">Country</a>
<a href="#">Pincode</a>	<a href="#">Report Format</a>	<a href="#">Timezone</a>
<a href="#">Data</a>	<a href="#">Graph</a>	<a href="#">Print</a>

From 2022-10-01 00:00:00 to 2023-03-31 23:59:59

Graphical view



Kalyanpur Village NOx Data

## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Kalyanpur Village**  
**Parameters : CO**

Station Name

Chhatrapati Shivaji Maharaj Vastu Sangrahalaya

City

State

Country

Kalyanpur Village-CO

Unit

µg/m<sup>3</sup>

Graphical view

Station

Mumbai-HATF-54-CO/KAT and Anandawade Village-Vinayak-TO/STATE METALDS ROAD

State

West Bengal

Station Name

Unit

City

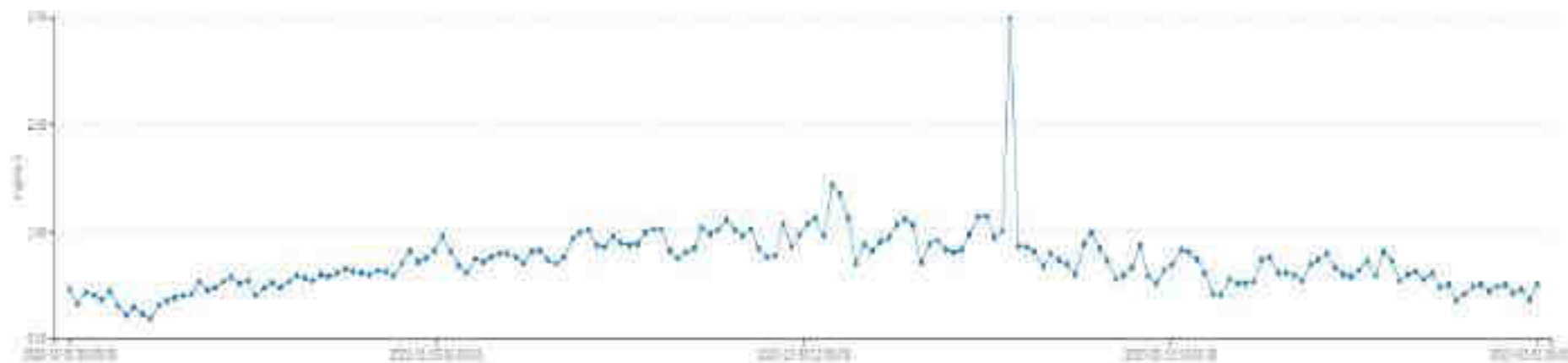
Kalyanpur

Country

India

State

Unit



Unit: µg/m<sup>3</sup>  
 Kalyanpur Village CO Data

## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Panchrulia Station**  
**Parameters : PM 10**

Search view

Report Print Log Likelihood

Station

Parameter

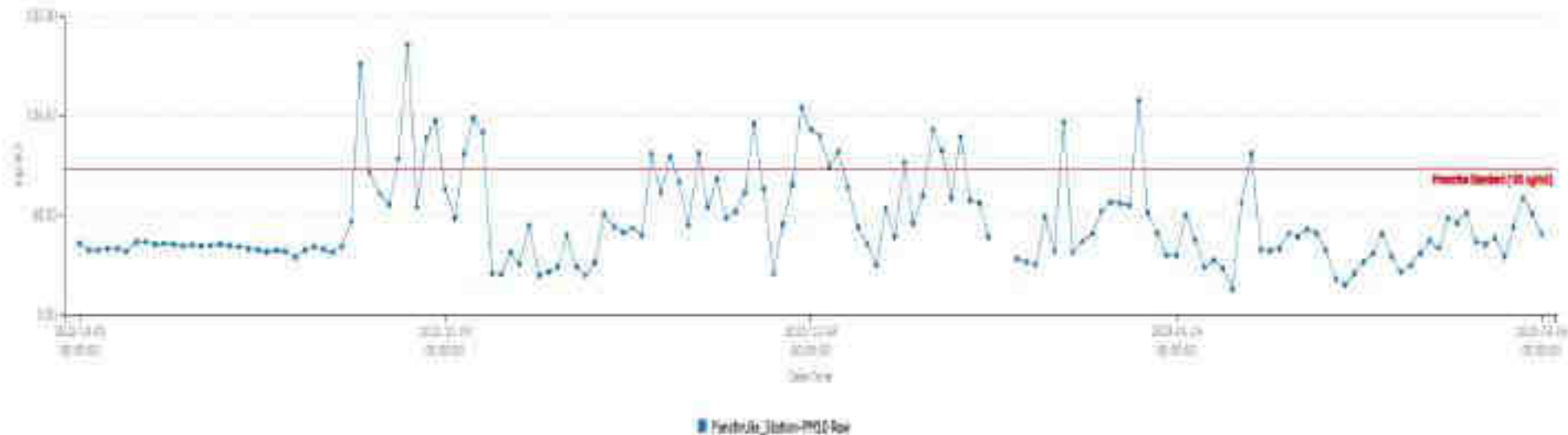
Location

Panchrulia\_Station-PM10

Unit

From 2022-10-01 00:00:00 To 2023-03-31 00:00:00

Graphical view



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Panchrulia Station**  
**Parameters : PM 2.5**

Organization

Kapco Metals Limited

State

West Bengal

Parameter

Panchrulia\_Station-PM2.5

Date

From: 2022/10/01 00:00:00 To: 2023/03/01 00:00:00

Address

NH-6, GORUJIPUR, SHYAMBATI, PURNIMA ROAD, WESTBENGAL (IN)

Area

West Bengal

Report Format

Graph

City

West Bengal

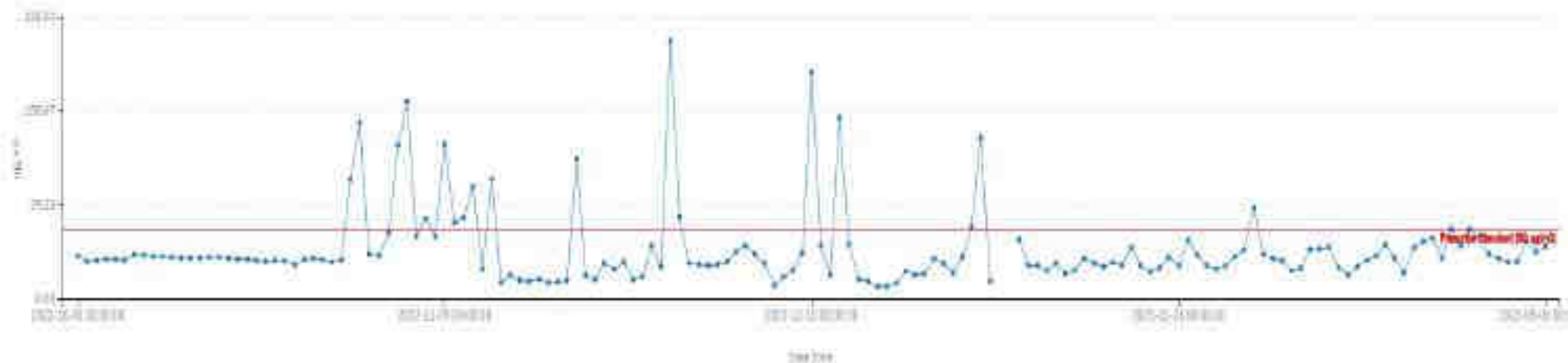
Country

India And Nepal

Color

1-Way

Graphical view



Panchrulia\_Station-PM2.5 Raw

## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Panchrulia Station**  
**Parameters : SO<sub>2</sub>**

Station Name	Address	City
Admin. Module Control	NH-6, GOBILPUR, SHYAMNAGPUR (HATIAHAT), MEDINIPUR (W)	Kolkata
District	State	Category
Medinipur	West Bengal	Crust and Steel
Parameter	Region District	Country
Technique_Status/002	Each	India

From 2022/10/01 00:00:00 To 2023/03/06 00:00:00

Graphical view 



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Panchrulia Station**  
**Parameters : NOx**

Industry Name  
 Name/Make/Model  
 District  
 Pincode  
 Region  
 Province\_State/NOx  
 Date

Address  
 1014, COLLECTOR SHAWMATHUR KINARAPUR, WESTBENGAL (IN)  
 State  
 West Bengal  
 Report Format  
 Graph

City  
 Kinarpur  
 Category  
 (PM 10/PM 2.5)  
 Color  
 3-Color

www.caaqms.gov.in/CAAQMS/NOx/NOx/1014

Graphical view





## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Panchrulia Station**  
**Parameters : CO**

Industry view

Region/Agency/Division

State

Main po

Parameters

Panchrulia\_Station\_CO

Date

Address

NS-30X(DPDR,SHYAMAIPUR,PARADIPUR,HECOTPUR (W))

State

West Bengal

Report format

Graph

City

Kharagpur

Category

Non Atti Stat

DTW%

3 days

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

Graphical view



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Barkola Station**  
**Parameters : PM 10**

**Industry Name**

NO 4/2000/MB/2007/PM10/1/10000

**State**

Madhya Pradesh

**Assembly**

Balho, Jabalpur (PC-2)

**City**

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

**Address**

INDIA, GOVIND P, SRI VARAD P, KANIGOPUR, MEDINIPUR (M)

**State**

West Bengal

**Report Format**

Graph

**City**

Kanigopur

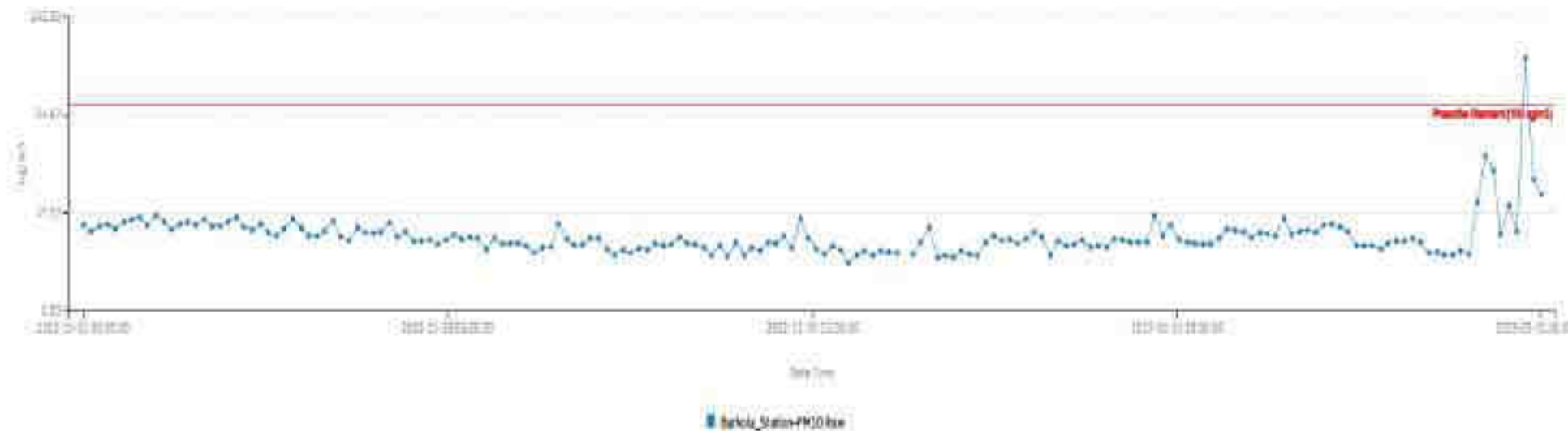
**Category**

Environmental

**Criteria**

2-DAY

Graphical view



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Barkola Station**  
**Parameters : PM 2.5**

Station Name :

115 Barkola Raj Bahu Nalanda Dist

Station :

Barkola

Station ID :

Barkola\_Station-PM2.5

Unit :

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

Address :

NW6, SOOJIPUR, SHAMAPUR KHARAGPUR, MEDNIPUR (W)

State :

West Bengal

Region/Festival :

Grat :

City :

Kharagpur

Country :

South India

Circle :

1 day

Graphical view



Barkola\_Station-PM2.5 Raw

## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Barkola Station**  
**Parameters : SO<sub>2</sub>**

Industry Name

WPL BARKOLA (by Shell Foods Limited)

State

Odisha

Parameter

Barkola\_Station\_SO2

Date

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

Graphical view



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Barkola Station**  
**Parameters : NOx**

Industry Name	Address	City
M/S Eastern Alloy Steel Private Limited	Nr-6, GOKULPUR, SHYAMALPUR, BIRSAPUR, REDDIPUR, WB	Kharagpur
State	State	Country
West Bengal	West Bengal	India And Other
Pincode	Report Format	Time
731014	Graph	1 Day

From 2022/10/03 08:00:00 To 2023/03/31 23:59:00

Graphical view



## CAAQMS DATA (OCTOBER 2022 TO MARCH 2023)

**Location : Barkola Station**  
**Parameters : CO**

Industry Name

MS Barrow Wire Steel Process Limited

State

West Bengal

Parameter

Barkola Station CO

Date

From 2022-10-01 00:00:00 to 2023-03-31 00:00:00

Graphical view

Address

MS-6, DUDHAPUR, SHYAMSHAR, RAJSHAHAPUR, WESTBENGAL (IN)

State

West Bengal

Region Name

Group

City

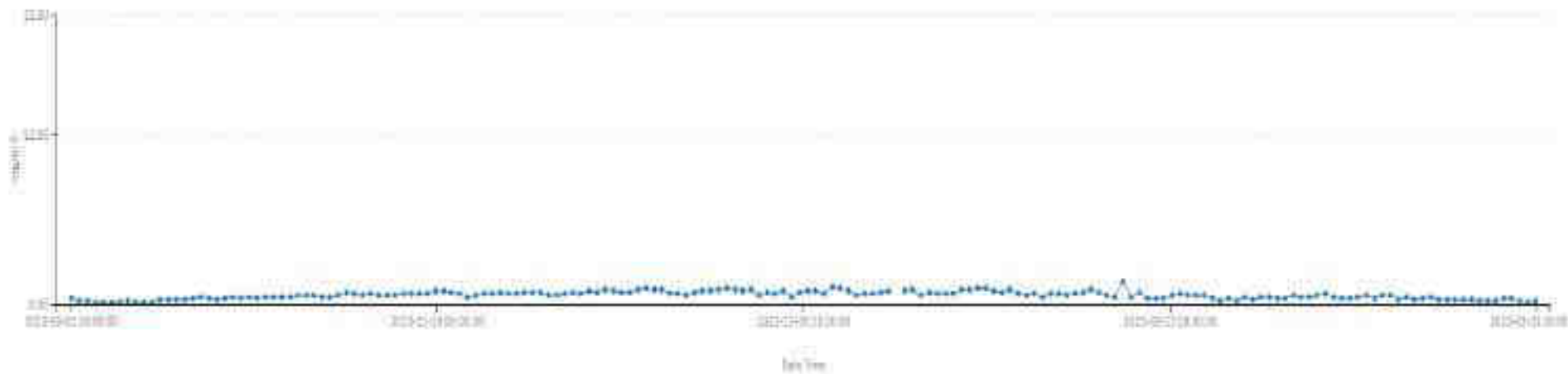
Kharagpur

Category

MS-Industry

Circle

State





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

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> <b>M/s. Orissa Metaliks Pvt. Ltd.(Unit I)</b> Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (I), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/22-23/C/14
	Date	: 28.04.2023
	Sample No.	: QLS/P-33/22-23/C/14
	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	: O122368532;Dated-27.09.2022	

## 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 23 <sup>rd</sup> Edition-2017, 4500 H+	7.11	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid(as TSS) in mg/l	APHA 23 <sup>rd</sup> Edition-2017, 2540 D	22	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 23 <sup>rd</sup> Edition-2017, 5220B	39	250	—
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA-2014	11	30	350
5.	Oil & Grease in mg/l	APHA 23 <sup>rd</sup> Edition-2017, 5520A	<1.4	10	20

Report Prepared By:

 for Qualissure Laboratory Services  
 Reviewed & Authorized By

 Bishnupriya Banerjee, Chemist  
 (Authorized Signatory)

———End of the Report—————

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



# Qualissure Laboratory Services

361, Prantik Pally, 45/361, Bose Pukur Road, Kolkata - 700107  
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 9830093978



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

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagnur (I), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/22-23/C/13
	Date	: 28.04.2023
	Sample No.	: QLS/P-33/22-23/C/13
	Sample Description	: STP Water
	Sample Mark	: STP Inlet
	Sample Drawn On	: 21.03.2023
	Date of Performance	: 22.03.2023-27.03.2023
Ref No. Date	: 0122368532;Dated-27.09.2022	

### 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 <sup>o</sup> C	APHA 23 <sup>rd</sup> Edition-2017, 4500 H+	7.37	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid(as TSS) in mg/l	APHA 23 <sup>rd</sup> Edition-2017, 2540 D	74	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 23 <sup>rd</sup> Edition-2017, 5220B	196	250	—
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2014	51	30	350
5.	Oil & Grease in mg/l	APHA 23 <sup>rd</sup> Edition-2017, 5520A	11.2	10	20

Report Prepared By:

for Qualissure Laboratory Services  
Reviewed & Authorized By



*Bishmupriya Banerjee*  
Bishmupriya Banerjee, Chemist  
(Authorized Signatory)

—End of the Report—

- The results relate only to the item(s) tested.
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# Qualissure Laboratory Services

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



DOC NO : QLS/SAMP/08-0/00

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> M/s. Orissa Metaliks Pvt. Ltd.(Unit I) Mouza- Mathurakismat & Amba, Vill- Gokuipur, P.O- Shyamraipur, P.S- Kharagpur (I), Paschim Medinipur- 721301, West Bengal.	Report No.	: QLS/P-33/22-23/C/12
	Date	: 28.04.2023
	Sample No.	: QLS/P-33/22-23/C/12
	Sample Description	: Effluent Water
	Sample Mark	: ETP Outlet
	Sample Drawn On	: 21.03.2023
	Date of Performance	: 22.03.2023-27.03.2023
	Ref No. Date	: O122368532;Dated-27.09.2022

## 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 23 <sup>rd</sup> Edition-2017, 4500 H+	7.61	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid(as TSS) in mg/l	APHA 23 <sup>rd</sup> Edition-2017, 2540 D	32	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 23 <sup>rd</sup> Edition-2017, 5220B	98	250	—
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2014	24	30	350
5.	Oil & Grease in mg/l	APHA 23 <sup>rd</sup> Edition-2017, 5520A	2.9	10	20

Report Prepared By:

for Qualissure Laboratory Services  
Reviewed & Authorized By



Bishnu Priya Banerjee, Chemist  
(Authorized Signatory)

—End of the Report—

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## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>  <b>M/s. Orissa Metaliks Pvt. Ltd.(Unit I)</b>  Mouza- Mathurakismat & Amba, Vill-Gokulpur, P.O- Shyamraipur, P.S-Kharagour (I), Paschim Medinipur-721301, West Bengal.	ULR No.	: TC627123000000579F
	Report No.	: QLS/P-33/22-23/C/11
	Date:	: 06.05.2023
	Sample No.	: QLS/P-33/22-23/C/11
	Sample Description	: Ground Water
	Sample Mark	: Tap Near DRI Plant
	Sample Drawn On	: 21.03.2023
	Date of performance	: 22.03.2023-27.03.2023
	Ref No. Date	: O122368532;Dated-27.09.2022

## Analysis Result

### (A) Microbiological Analysis

Sl. No.	Characteristic	Limit as per IS 10500: 2012 Amd. 2	Test Method	Result
1.	Total Coliform Bocteria/100ml	Not Detectable	IS 15185-2016	Not Detected
2.	E. coli/100ml	Not Detectable	IS 15185-2016	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): 1963 (RA 2012)	5	15	<5
2.	Odour	IS 3025 (Part 5): 1963 (RA 2012)	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 1984 (RA 2012)	6.5-8.5	No Relaxation	7.18
4.	Turbidity in NTU	IS 3025 (Part 10): 1984 (RA 2012)	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 1984 (RA 2012)	500	2000	354
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2014)	0.03	0.2	<0.01
7.	Ammonia as NH <sub>3</sub> in mg/l	IS 3025 (Part 34): 1988 (RA 2014)	0.5	No Relaxation	<0.5
8.	Calcium (as Ca) in mg/l	IS 3025 (Part 40): 1991 (RA 2014)	75	700	63.2
9.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	87.2
10.	Copper (as Cu) in mg/l	IS 3025 (Part 42): 1992 (RA 2014)	0.05	1.5	<0.02
11.	Fluoride (as F) in mg/l	APHA 23rd Edition 2017, 4500 F D	1.0	1.5	<0.1
12.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 1986 (RA 2014)	0.2	1.0	<0.1
13.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988 (RA 2014)	1.0	No Relaxation	0.35
14.	Magnesium (as Mg) in mg/l	IS 3025 (Part 45): 1994 (RA 2014)	30	100	33.4
15.	Manganese (as Mn) in mg/l	IS 3025 (Part 50): 2006 (RA 2014)	0.1	0.3	<0.05
16.	Nitrate (as NO <sub>3</sub> ) in mg/l	IS 3025 (Part 34): 1988 (RA 2014)	45	No Relaxation	1.32
17.	Sulphate (as SO <sub>4</sub> ) in mg/l	IS 3025 (Part 24): 1986 (RA 2014)	200	400	28.3
18.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	IS 3025 (Part 23): 1986 (RA 2014)	200	600	228.8
19.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	IS 3025 (Part 23): 2013	200	600	297.0
20.	Cadmium (as Cd) in mg/l	IS 3025 (Part 41): 1992 (RA 2014)	0.003	No Relaxation	<0.002
21.	Cyanide (as Cn) in mg/l	IS 3025 (Part 27): 1986 (RA 2014)	0.05	No Relaxation	<0.02
22.	Lead (as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2014)	0.01	No Relaxation	<0.01
23.	Mercury (as Hg) in mg/l	IS 3025 (Part 48): 1994 (RA 2014)	0.001	No Relaxation	<0.001
24.	Arsenic (as As) in mg/l	IS 3025 (Part 37): 1988 (RA 2014)	0.01	No Relaxation	<0.01
25.	Zinc (as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2014)	5	15	0.25
26.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2014)	0.05	No Relaxation	<0.05

Report Prepared By:

*Sky*

for Qualissure Laboratory Services

Reviewed & Authorized By



Soumya Chakraborty, Microbiologist  
(Authorized Signatory)

for Qualissure Laboratory Services

Reviewed & Authorized By



Bahupriya Banerjee, Chemist  
(Authorized Signatory)

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

- The results relate only to the item(s) tested.
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## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	<b>Report No.</b> : QLS/P-33/23-24/C/09A
<b>M/s. Orissa Metaliks Pvt. Ltd.(Unit I)</b>	<b>Date</b> : 05.05.2023
<b>Mouza- Mathurakismat &amp; Amba, VIII- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (I), Paschim Medinipur- 721301, West Bengal.</b>	<b>Sample No.</b> : QLS/P-33/23-24/09A
	<b>Date Of Performance</b> : 21.03.2023-27.03.2023
	<b>Sample Description</b> : Noise Monitoring
	<b>Ref No. Date</b> : 0122368532, Dated-27.09.2022

## Monitoring Result of Noise

Sampling Done By: P.Mahato			
Sampling Guideline : As per IS- 9876: 1981 (RA-2003)			
Location : Near CPP Area			
Date of Monitoring : 19.03.2023-20.03.2023			
Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
11.00-12.00	64.2	60.4	62.9
12.00-13.00	67.9	62.1	65.1
13.00-14.00	68.7	60.2	65.1
14.00-15.00	69.5	59.8	66.7
15.00-16.00	70.1	62.3	67.7
16.00-17.00	69.8	63.1	67.1
17.00-18.00	69.8	62.5	67.8
18.00-19.00	69.2	60.1	66.4
19.00-20.00	69.5	61.4	66.9
20.00-21.00	68.2	59.8	67.3
21.00-22.00	69.8	59.8	65.5
22.00-23.00	69.0	58.7	65.3
23.00-0.00	67.3	56.8	63.1
0.00-1.00	67.8	58.4	64.3
1.00-2.00	66.2	57.6	62.9
2.00-3.00	69.0	56.9	64.5
3.00-4.00	64.5	58.9	62.4
4.00-5.00	66.3	56.8	61.6
5.00-6.00	58.7	55.6	57.3
6.00-7.00	61.0	54.7	57.1
7.00-8.00	59.5	56.2	57.6
8.00-9.00	59.5	52.3	56.4
9.00-10.00	59.0	54.3	57.2
10.00-11.00	60.2	52.3	56.4

Report Prepared By:

*Revised*

for Qualissure Laboratory Services  
 Reviewed & Authorized By



Benmadhab Gorai, Chemist  
 (Authorized Signatory)

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## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	<b>Report No.</b> : QLS/P-33/23-24/C/09B
<b>M/s. Orissa Metallika Pvt. Ltd. (Unit I)</b>	<b>Date</b> : 05.05.2023
<b>Mouza- Mathurakamat &amp; Amba, Vill- Golcalpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721101, West Bengal.</b>	<b>Sample No.</b> : QLS/P-33/23-24/09B
	<b>Date Of Performance</b> : 21.03.2023-27.03.2023
	<b>Sample Description</b> : Noise Monitoring
	<b>Ref No. Date</b> : 0122368532;Dated-27.09.2022

## Monitoring Result of Noise

Sampling Done By: P.Mahato

Sampling Guideline : As per IS: 9876: 1981 (RA-2001)

Location : Between D.R.I Plant

Date of Monitoring : 19.03.2023-20.03.2023

Time	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
11.00-12.00	65.0	62.1	63.3
12.00-13.00	63.0	60.3	62.0
13.00-14.00	70.5	62.5	68.2
14.00-15.00	65.2	62.3	64.0
15.00-16.00	71.9	65.2	69.0
16.00-17.00	67.5	65.3	66.8
17.00-18.00	68.2	66.8	67.7
18.00-19.00	68.7	66.9	68.3
19.00-20.00	70.2	67.6	69.3
20.00-21.00	70.4	68.2	69.8
21.00-22.00	69.8	61.8	65.6
22.00-23.00	69.1	62.5	65.7
23.00-0.00	68.5	64.2	65.6
0.00-1.00	67.2	60.3	64.9
1.00-2.00	63.2	60.5	63.8
2.00-3.00	64.8	61.4	63.8
3.00-4.00	65.0	60.4	63.0
4.00-5.00	63.4	60.7	61.5
5.00-6.00	55.6	52.3	54.5
6.00-7.00	54.8	50.0	53.3
7.00-8.00	53.0	49.2	52.7
8.00-9.00	56.8	53.2	55.2
9.00-10.00	55.6	53.1	56.8
10.00-11.00	63.2	59.7	61.8

Report Prepared By:

*P.Mahato*

For Qualissure Laboratory Services

Reviewed & Authorized By



Binimadhav Gorai, Chemist  
(Authorized Signatory)



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

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> <b>M/s. Orissa Metalliks Pvt. Ltd.(Unit I)</b> Mouza- Mathurakismat & Amba, Vill- Gokulpur, P.O- Shyamraipur, P.S- Kharagpur (L), Paschim Medinipur- 721301, West Bengal.	<b>Report No. :</b> QLS/P-33/23-24/C/10 <b>Date :</b> 05.05.2023 <b>Sample No. :</b> QLS/P-33/23-24/10(A-C) <b>Sample Description :</b> Ambient Noise <b>Date of performance :</b> 21.03.2023-27.03.2023 <b>Ref No. Date :</b> O122368532;Dated-27.09.2022
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Monitoring Result of Noise

Sampling Done By: P.Mahato					
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)					
Sample No.	Date of Monitoring	Location	Lmax dB (A)	Lmin dB (A)	Avg. dB (A)
10A	19.03.2023 20.03.2023	Near Plant Main Gate	67.5	51.3	63.8
10B		Methurakismat Village	58.1	48.5	57.9
10C		Latibpur Village	63.5	43.1	52.2

Report Prepared By:

for Qualissure Laboratory Services  
Reviewed & Authorized By

Benimadhab Goral, Chemist  
(Authorized Signatory)















# OHS RECORD

FORM No. 17

## HEALTH

1. Name of the Employer: **PPCL (NVT)**

(Download from State O & M of the West Bengal Industrial Safety Act)

2. Name of the Worker: **RAMAN**

3. Age: **40** 4. Date of Birth: **24/11/77**

Sl. No.	Date of Examination	Particulars of Examination	Result of Examination	Remarks
1	18-05-2023			
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				

## REGISTER

as required under Regulation No. 40A(1)(ii) of the West Bengal Industrial Safety Act, 1971

Sl. No.	Name of the Worker	Date of Birth	Particulars of Examination	Result of Examination	Remarks
1	RAMAN	24/11/77			
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					





# OHS RECORD

FORM No. 17

## HEALTH

- Name of the Employer: *ABC Pvt. Ltd.*
- Name of worker: *Johny John*
- No. of *15* Date of Birth: *10/10/21*

(To be filled only when A & B of the Form Being Filled) (Para. 276)

## REGISTER

(To be filled only when A, B & C of the Form Being Filled) (Para. 276)

Sl. No.	Date of Injury	Particulars of Injury	Particulars of Disease	Particulars of Illness	Particulars of Injury	Particulars of Injury	Particulars of Injury	Particulars of Injury
1	10/10/21							
END								

Sl. No.	Date of Injury	Particulars of Injury	Particulars of Injury	Particulars of Injury	Particulars of Injury	Particulars of Injury	Particulars of Injury	Particulars of Injury
1	10/10/21							
2	10/10/21							
3	10/10/21							
4	10/10/21							
5	10/10/21							
6	10/10/21							
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44	10/10/21							
45	10/10/21							
46	10/10/21							
47	10/10/21							
48	10/10/21							
49	10/10/21							
50	10/10/21							

Note: 1. Entries are to be made in the order of occurrence.  
2. Entries are to be made in the order of occurrence.







