

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

1 message

ORISSA METALIKS <orissametalikspvtltd@gmail.com>

Mon, Nov 27, 2023 at 4:51 PM

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

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

Dear Sir,

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

We assured that we will comply 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

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

Tel : 91 33-22894255/ 56

Fax : 91 33-22894254

Mbl. No-07044070948



Compliance Report_DEC-2023.pdf

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Ref. OMPL/ENV COMPL / DEC-2023

Date:-27.11.2023

To,

a) **Regional Office,
Ministry of Environment, Forests & Climate Change, Bhubaneswar
A/3 Chandrasekharpur,
Bhubaneswar – 751023, Odisha**

b) **Sub Office, Kolkata
(Under Regional Office, MoEF&CC, Bhubaneswar)
Kolkata IB – 198, Sector-III, Salt Lake City– 700106,
West Bengal**

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

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

Dear Sir,

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

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

Hope you will find the same in order.

Yours Faithfully,

For **M/s Orissa Metaliks Private Limited**
Authorized Signatory

C.C.:-

1. **The Member Secretary, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block – LA, Sector – III, Kolkata – 700091**
2. **The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Department of Environment, Govt. of West Bengal, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt lake, Sector-III, Bidhannagar, Kolkata-700106**

Enclosures:-

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

SIX MONTHLY COMPLIANCE
REPORT
(DECEMBER-2023)
FOR

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

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

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



M/s ORISSA METALIKS PRIVATE LIMITED

1, GRASTIN PLACE, ORBIT HOUSE

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

WEST BENGAL

Ph No.-033 – 22438518

Email id-orissametalikspvtltd@gmail.com

Your application has been **Submitted** with following details

Proposal No	SIA/WB/IND/17065/2015
Compliance ID	26345878
Compliance Number(For Tracking)	EC/M/COMPLIANCE/26345878/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	27-11-2023
IRO Name	ARTATRANA MISHRA
IRO Email	jhk109@ifs.nic.in
State	WEST BENGAL
IRO Office Address	Budgam

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


[Back](#)

View Compliance Report at Project Proponent

Proposal Details

Proposal No	SIA/WB/IND/17065/2015	Category	Industrial Projects - 1
Proposal Name	Induction Furnace 15 x 20 T (0.9 MTPA), 0.84 MTPA Rolling Mill (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based)		
Plot / Survey/ Khasra No.		Village(s)	
Sub-District(s)			
State	WEST BENGAL	District	MEDINIPUR?WEST
MoEF File No	EC No- 3311/EN/T-II-I/016/2018	Name of the Entity/ Corporate Office	Orissa Metaliks Private Limited
Entity's PAN	NA		
Entity Name as per PAN	NA	Entity details mentioned above is correct ?	

Covering Letter

Covering Letter [Click to View](#)

Compliance Reporting Details

Reporting Year	2023	Reporting Period	01 Dec(01 Apr - 30 Sep)
Remark(if any)	Compliance Report for Period April 2023 to September 2023 for Induction Furnace 15 x 20 T (0.9 MTPA) with matching LRF & CCM, Rolling Mill 0.84 MTPA (Hot Rolling Mill-0.65 MTPA + Cold Rolling Mill-0.19 MTPA) with Captive Power Plant 45 MW (45 MW Dolochar-coal mix based)		

Details of Production and Project Area

Date of Commencement of Project/Activity
 29-11-2018

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	12.14	12.14
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	12.14	12.14

PRODUCTION CAPACITY

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	M.S. BILLETS	Tons per Annum (TPA)	900000 (OMPL-600000 + OMIPL-300000)	900000 (OMPL-600000 + OMIPL-300000)	CO113633 ; CO131928 (OMIPL)	31-03-2026	OMPL-357289 TPA + OMIPL-299998 TPA
2	TMT BAR, WIRE & WIRE ROD	Tons per Annum (TPA)	650000 (OMIPL)	650000 (OMIPL)	CO131928	31-03-2026	494074.12 TPA
3	WIRE COIL(1 MM to 4MM)	Tons per Annum (TPA)	150000	150000 (OMIPL)	CO113633	31-03-2026	--

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents				
1	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from various process units should conform to the load/mass-based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the	<table border="1"> <tr> <td>PPs Submission</td> <td>Fugitive emission analysis is being done on regular basis by M/s Greenvision West Bengal which is NABL/ WBPCB accredited laboratory. The analysis data as per report (September 2023) are attached Being Complied Attachment: Click to View</td> </tr> <tr> <td>PPs Submission</td> <td>SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Necessary measures have been adopted by the management for preventing</td> </tr> </table>	PPs Submission	Fugitive emission analysis is being done on regular basis by M/s Greenvision West Bengal which is NABL/ WBPCB accredited laboratory. The analysis data as per report (September 2023) are attached Being Complied Attachment: Click to View	PPs Submission	SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Necessary measures have been adopted by the management for preventing
PPs Submission	Fugitive emission analysis is being done on regular basis by M/s Greenvision West Bengal which is NABL/ WBPCB accredited laboratory. The analysis data as per report (September 2023) are attached Being Complied Attachment: Click to View						
PPs Submission	SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Necessary measures have been adopted by the management for preventing						

		prescribed standards.		gaseous emission for operational plant. Load/mass-based standards for the financial year 2022-2023 has been submitted in the prescribed format with Environmental Statement to the West Bengal Pollution Control vide letter no- OMPL/ENV_Statement/2023-2024 dated 21.09.2023 Being Complied Attachment: NA
2	AIR QUALITY MONITORING AND PRESERVATION	Induction furnaces should be provided with fume extraction and dedicated pollution control systems consisting of Swivelling Hood, Spark Arrestor cum Cyclone separator, Bag Filter, ID Fan etc. and stack of height 30m from G.L. as proposed. Secondary fume extraction system with adequate side suction should be provided to prevent fugitive emission during charging. Adequate dust extraction system to be provided with re-heating furnace of rolling mills. Stack emission (PM) should not exceed 50 mg/Nm ³ . Stack emissions should be monitored at regular intervals and records should be maintained.	PPs Submission	Also, as per CPCB guidelines OCEMS (Particular Matter) is installed and data is continuously being transferred to CPCB server. Six monthly data of OCEMS is enclosed. Being Complied Attachment: Click to View
			PPs Submission	24 x 7 continuous emission monitoring system have been installed as per CPCB guideline at process stacks to monitor stack emission and the data are being transferred to CPCB online server. Existing SMS with LRF are equipped with bag filters, hood and I.D. Fans. All bag houses are design to meet the standard below 50 mg/Nm ³ . Stack monitoring of the currently operating units is carried out on regular basis by W.B.P.C.B/ NABL/ MoEF authorized laboratories. Stack monitoring report is enclosed. Being Complied Attachment: Click to View
3	WASTE MANAGEMENT	Dust collection from Bag filter should be done through pneumatic control system. Collected dust is	PPs Submission	As stated earlier SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. For the operational plant, Dust collection from Bag filter is done through

		to be sold for land filling subject to the condition that it does not fall under the Hazardous wastes (Management, Handling and Transboundary Movement) Rules, 2008.		pneumatic control system and is used for levelling, in pellet making etc. For the proposed remaining units same will be adopted. Being Complied Attachment: NA
4	AIR QUALITY MONITORING AND PRESERVATION	High efficiency ESPs should be installed in CPP to ensure that particulate emission does not exceed 50 mg/Nm ³ . Adequate dust extraction system and water spray system in dust prone areas such as coal handling plant & ash handling plant & ash handling plant/ points, transfer areas and other vulnerable areas shall be provided. Space for FGD is to be provided as submitted.	PPs Submission	SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. The APC dust from SMS is used in pellet plant. The CPP project has not been started till date. The stipulated conditions will be complied in parallel with implementation of the project. Being Complied Attachment: NA
5	AIR QUALITY MONITORING AND PRESERVATION	Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.	PPs Submission	Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories. Also after taking into consideration the interest and financial share cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB. CAAQMS data is enclosed. Being Complied Attachment: Click to View
			PPs Submission	Ambient Air Quality (AAQ) are monitored at two locations viz., Near

				Plant Main Gate and Radhanagar Village by third party monitoring agency M/s. Greenvision, West Bengal which is NABL/ WBPCB accredited laboratory .AAQM reports carried in month of September 2023 are attached Being Complied Attachment: Click to View
6	AIR QUALITY MONITORING AND PRESERVATION	Adequate measures to be adopted for control of fugitive emission. Regular water sprinkling should be done to control the fugitive emission. Bag filter of adequate capacity to be provided to the raw material handling section.	PPs Submission	Adequate Measures have been taken for reducing the RSPM levels in the ambient air like 1. Fixed water sprinklers are provided in the potential internal roads, plant area and raw materials handling areas. 2. One number of Mobile water sprinkler tanker and one number of water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission. 3. Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day). 4. Adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process. 5. Movable water mist fog system is being used. Being Complied Attachment: NA
7	WATER QUALITY MONITORING AND PRESERVATION	Water meter to be installed at every inlet point of fresh water uptake and also at circulation points and regular records to be maintained.	PPs Submission	Water meter at the bore well is installed and daily log book are maintained. Also Online continuous telemetry system is provided to all the bore wells and the data is transferred to SWID, West Bengal. Complied Attachment: NA
8	WATER QUALITY MONITORING AND PRESERVATION	Groundwater should not be abstracted without obtaining permission from the competent authority as per The West Bengal Ground Water	PPs Submission	Sufficient water extraction permission from SWID, Government of West Bengal has been obtained. Complied Attachment: NA

		Resources (Management, Control and Regulation) Act, 2005. Water requirement for the proposed expansion project should be met from DVC as per permission obtained.		
9	Statutory compliance	Sponge iron and Pig iron should be used as major raw material in Induction Furnace (at least 70% of the total input). Use of galvanized iron scrap as raw material is not permitted.	PPs Submission	Sponge iron and pig iron are used as major raw material in operational Induction Furnaces. Being Complied Attachment: NA
10	MISCELLANEOUS	Covered storage yard for raw materials to be provided. Loading and unloading operations should not be carried out in open areas.	PPs Submission	Covered storage yard for raw materials is provided. Loading and unloading operations for operational unit is not carried out in open areas. Being Complied Attachment: Click to View
11	WATER QUALITY MONITORING AND PRESERVATION	As proposed, the unit must develop storage facilities to harvest rain water of capacity 900 KL so as to use the stored water for plantation, fire fighting, washing & cleaning etc. Recharging of ground water is not permitted.	PPs Submission	Storage facilities to harvest rain water of capacity 900 KL is in place and water is used for plantation, fire fighting, washing & cleaning etc. Being Complied Attachment: Click to View
12	WATER QUALITY MONITORING AND PRESERVATION	Process effluent discharge is not permitted. Cooling water should be recycled.	PPs Submission	Water analysis report is enclosed Being Complied Attachment: Click to View
			PPs Submission	SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. It has been stated

				that the conditions were considered in the design of the project. Plant is designed as Zero Discharge plant. Being Complied Attachment: NA
13	WASTE MANAGEMENT	Solid wastes are generated in the form of scrap and slag. Scrap should be recycled in the proposed plant as proposed. Slag may be used for road construction and land filling; however, indiscriminate dumping is not permitted under any circumstances.	PPs Submission	SMS Slag is used for road construction and land filling after maximum recovery of metal. The detail of solid waste generated and its management practice adopted for SMS & rolling mill is: Slag from SMS Slag-Slag to be used for road construction, Low land levelling & paver block making after recovering metal from slag crushing unit and doing TCLP test. Solid waste (dust as collected in the de-dusting system) from SMS will be used in the pellet plant as pelletization mix Mill scale & Scrap / End cuts from Rolling mill- Used as raw material in SMS plant. Being Complied Attachment: NA
			PPs Submission	TCLP test for SMS slag is enclosed Being Complied Attachment: Click to View
14	GREENBELT	At least 5000 nos. of recommended species to be planted in the green belt area of 10.22 acres. Indicative list of species is given at Annexure-I. Green belt comprising of three rows of trees with thick canopy should be developed all along the periphery of the plant.	PPs Submission	As mentioned in point no-6, in the financial year 2023-2024, till September 2023 around 803 plants were planted and the survival rate is 96.0%. Total area covered in green belt is 33%. Being Complied Attachment: NA
15	MISCELLANEOUS	All internal roads should be concreted /pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe	PPs Submission	Concreting of internal road with proper drainage system is going on and balance will be done in parallel with implementation of project. Proper lighting and proper pathway inside the factory premises are constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of

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

vehicles is in place. Vehicles conforming to pollution under control (PUC) norms are only allowed inside the plant premises. For effective housekeeping following steps are adopted by the management: ? Fixed water sprinklers are provided in the potential internal roads, plant area and raw materials handling areas. ? One number of Mobile water sprinkler tanker and one number of water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission. ? Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day). ? Adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process. ? Movable water mist fog system is being used. ? Engaged more numbers of dedicated Housekeeping team with proper training and equipment. ? Regular painting and cleaning / whitewashing of wall. ? Scraps are stored in proper demarcated area with proper marking. ? Hazardous wastes are stored in dedicated HZW store. ? Regular cleaning of drain systems is done.
Being Complied
Attachment: [Click to View](#)

16	Human Health Environment	<p>Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records</p>	PPs Submission	<p>Our management is very much concerned about Health & Safety of workers & as per the WB Factories Rules 1958, Safety Committee meeting is conducted once in every Month, various Safety & Environment Awareness Programme is being observed, Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948. OHS record is enclosed. Being Complied Attachment: Click to View</p>
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		maintained as per the Factories Act.		
17	Human Health Environment	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	PPs Submission	Regular mock drills are carried out to create awareness among employees about necessary safety measures to be taken at any unforeseen circumstances. Hydrants, medium velocity spray system, portable fire extinguishers of various capacities containing agents such as CO2, DCP etc. are located at strategic points of the plant to control fire and explosion hazards. Being Complied Attachment: Click to View
18	MISCELLANEOUS	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	PPs Submission	Adequate funds have been deployed in CAPEX and OPEX and an itemised action plan has been drawn for implementing the stipulated conditions. The detail about the Recurring Cost on Environmental Safeguard for current operational plant is discussed in point no-7. Being Complied Attachment: NA
19	MISCELLANEOUS	Trucks carrying coal and other raw material shall be covered with tarpaulin to prevent spreading of dust during transportation	PPs Submission	Trucks carrying coal and other raw material are covered with tarpaulin to prevent spreading of dust during transportation. Being Complied Attachment: NA
20	AIR QUALITY MONITORING AND PRESERVATION	Haulage road shall be sprinkled with water at regular intervals for which tankers with sprinkler arrangement are deployed. Regular sweeping of roads shall be practiced with vacuum sweeping machine or water flushing to minimize dust.	PPs Submission	One number of dedicated water spraying tankers on haul roads for dust suppression is in use. Also 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. Regular sweeping of roads is practiced with vacuum sweeping machine to minimize dust. Being Complied Attachment: NA

21	ENERGY PRESERVATION MEASURES	At least 5 MW of solar power to be generated and utilized to reduce coal consumption.	PPs Submission	In order to reduce the consumption of non-renewable source of energy (coal), power requirement of the existing operational unit is made from Waste Heat Recovery Boiler (WHRB) attached with DRI Kilns of Orissa Metaliks (P) Ltd Unit-I. But in near future if power requirement increases necessary arrangement will be made for incorporating Solar power. Being Complied Attachment: NA
22	WATER QUALITY MONITORING AND PRESERVATION	Rain water harvesting pond of area 1.389 acres to create as proposed for surface storage of rain water.	PPs Submission	One number of rain water harvesting pond on 1.389 acres is in place and harvested rain water is used in plant for green belt development and dust suppression. Being Complied Attachment: NA
23	WATER QUALITY MONITORING AND PRESERVATION	Rain water to be harvested at least to the extent of 20000 cum/annum and should be utilized in all plant requirement and limit ground water abstraction below 0.6 MGD.	PPs Submission	Common rainwater harvesting pond of 50,000 KL capacity is in place and harvested rain water is used in plant for green belt development and dust suppression. Being Complied Attachment: NA
24	PUBLIC HEARING	CSR schemes identified based on public hearing issues and need based assessment shall be implemented in consultation with District Administration starting from the development of project itself.	PPs Submission	M/s Orissa Metaliks Private Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages. In financial year 2023-24, till September 2023 OMPL company has spent Rs.33, 65,333 under the head of CSR/CER. Being Complied Attachment: Click to View
25	Noise Monitoring & Prevention	Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the	PPs Submission	SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Noise Monitoring is being done on regular basis by M/s. Greenvision, West Bengal which is NABL/ WBPCB accredited laboratory at three locations viz. Plant Main

	standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB (A) Leq (night-time) and 70 dB(A) Leq (night time) and its subsequent amendments.	gate, Amba Village & Near SMS Area. The Ambient & Work Zone Noise quality monitoring reports are attached. Being Complied Attachment: Click to View
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General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents		
1	Statutory compliance	The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.	<table border="1"> <tr> <td>PPs Submission</td> <td>As per Ministry O.M. issued vide File No.-1A3-22/28/2022-1A.111[E 181584] dated 13th December 2022, the validity of environment clearance is increased to 10 years and further extendable for another 01 year. Complied Attachment: NA</td> </tr> </table>	PPs Submission	As per Ministry O.M. issued vide File No.-1A3-22/28/2022-1A.111[E 181584] dated 13th December 2022, the validity of environment clearance is increased to 10 years and further extendable for another 01 year. Complied Attachment: NA
PPs Submission	As per Ministry O.M. issued vide File No.-1A3-22/28/2022-1A.111[E 181584] dated 13th December 2022, the validity of environment clearance is increased to 10 years and further extendable for another 01 year. Complied Attachment: NA				
2	Statutory compliance	Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	<table border="1"> <tr> <td>PPs Submission</td> <td>The Consent to Establish (NOC) permissions for project were awarded by WBPCB vide NOC no-147019 dated 12.04.2017, amendment dated 15.05.2017 and NOC no-159390 dated 26.07.2019. Complied Attachment: NA</td> </tr> </table>	PPs Submission	The Consent to Establish (NOC) permissions for project were awarded by WBPCB vide NOC no-147019 dated 12.04.2017, amendment dated 15.05.2017 and NOC no-159390 dated 26.07.2019. Complied Attachment: NA
PPs Submission	The Consent to Establish (NOC) permissions for project were awarded by WBPCB vide NOC no-147019 dated 12.04.2017, amendment dated 15.05.2017 and NOC no-159390 dated 26.07.2019. Complied Attachment: NA				
3	MISCELLANEOUS	The project proponent shall comply with all the environmental protection	<table border="1"> <tr> <td>PPs Submission</td> <td>As stated, earlier M/s Orissa Metaliks Private</td> </tr> </table>	PPs Submission	As stated, earlier M/s Orissa Metaliks Private
PPs Submission	As stated, earlier M/s Orissa Metaliks Private				

		measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.		Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages Being Complied Attachment: NA
4	MISCELLANEOUS	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	PPs Submission	Noted Agreed to Comply Attachment: NA
5	MISCELLANEOUS	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	PPs Submission	We have provided housing for construction labour outside the site with cooking, toilets, drinking water, medical health care etc. Being Complied Attachment: NA
6	MISCELLANEOUS	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	PPs Submission	Adequate fund provision (Rs 20 Crores capital cost & Rs 2.0 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose. The detail about the Recurring Cost on Environmental Safeguard for current operational plant is enclosed as point no-7. Being Complied Attachment: NA
7	MISCELLANEOUS	No further expansion or modification in the plant should be carried out without prior approval of the State Level Environmental Impact Assessment Authority, West Bengal. In the case of any changes(s) in the scope of the	PPs Submission	Agreed Being Complied Attachment: NA

		project, the project would require a fresh appraisal by the SEIAA, West Bengal.		
8	MISCELLANEOUS	The West Bengal Pollution Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State level Environment Impact Assessment Authority, West Bengal and also to Regional Office of MoEF&CC, Bhubaneswar.	PPs Submission	Regular reports of Monitoring and compliance are submitted to the State Level Environment Impact Assessment Authority, West Bengal & WBPCB regularly. The recent five year details of submission are enclosed here with. Being Complied Attachment: NA
9	MISCELLANEOUS	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguards measures in a time-bound and satisfactory manner.	PPs Submission	Noted Being Complied Attachment: NA
10	MISCELLANEOUS	The project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the West Pollution Control Board and may also be seen at Website of the SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	PPs Submission	The management of OMPL have advertised information regarding grant of Expansion EC in two local newspaper viz., ?Aajkal? (Bengali) dated 06.10.2018 and ?Business Standard? (English) dated 06.10.2018 Complied Attachment: NA

11	MISCELLANEOUS	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<table border="1"> <tr> <td data-bbox="863 0 1070 1176">PPs Submission</td> <td data-bbox="1070 0 1428 1176"> <p>Monitoring of criteria pollutants level namely; PM10, PM 2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters is done by third party monitoring agency M/s. Qualissure Laboratory Services, Kolkata which is NABL accredited laboratory. Emission levels of pollutants of different units is being displayed on board maintained as per CPCB format issued vide File no-B-29016 NGT/C-10/2020/ WM II/Div./ Dated 20th January 2020 outside the main gate of the plant for disclosure to the public and also uploaded on the website of the company https://orissametaliks.com/qehs.html Electronic display board has been installed at plant main gate and online stack emission data is also being displayed. Complied Attachment: NA</p> </td> </tr> </table>		PPs Submission	<p>Monitoring of criteria pollutants level namely; PM10, PM 2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters is done by third party monitoring agency M/s. Qualissure Laboratory Services, Kolkata which is NABL accredited laboratory. Emission levels of pollutants of different units is being displayed on board maintained as per CPCB format issued vide File no-B-29016 NGT/C-10/2020/ WM II/Div./ Dated 20th January 2020 outside the main gate of the plant for disclosure to the public and also uploaded on the website of the company https://orissametaliks.com/qehs.html Electronic display board has been installed at plant main gate and online stack emission data is also being displayed. Complied Attachment: NA</p>
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12	MISCELLANEOUS	<p>The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.</p>	<table border="1"> <tr> <td data-bbox="863 1176 1070 1574">PPs Submission</td> <td data-bbox="1070 1176 1428 1574"> <p>Private Company, no finance is needed m outside. Agreed to Comply Attachment: NA</p> </td> </tr> </table>		PPs Submission	<p>Private Company, no finance is needed m outside. Agreed to Comply Attachment: NA</p>
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13	MISCELLANEOUS	<p>The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous wastes (Management, Handling and Trans boundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.</p>	<table border="1"> <tr> <td data-bbox="863 1574 1070 2136">PPs Submission</td> <td data-bbox="1070 1574 1428 2136"> <p>Noted Agreed to Comply Attachment: NA</p> </td> </tr> </table>		PPs Submission	<p>Noted Agreed to Comply Attachment: NA</p>
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14	MISCELLANEOUS	<p>The contact details of the proponent and the name of the consultant are given below: Name of the Contact person with Designation-Mr. Bijayen Srivastava (Manger- Environment & Pollution) Address 1, Grastin Place, 3rd Floor, Kolkata-700001 Telephone Number, Fax Number 033 22438518; Fax no. 033 2243 8517; 7044070948 (M) Email orissametalikspvtltd@gmail.com Name of the Environmental Consultant Kalyani laboratories Private Limited</p>	PPs Submission	Noted Complied Attachment: NA
15	MISCELLANEOUS	<p>Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP</p>	PPs Submission	<p>In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment, banner and flex are displayed at suitable place like work place, canteen, parking area etc. Being Complied Attachment: NA</p>

Document Upload

Last Site Visit Report (if available) NA
Additional Attachment (if any) [Click to View](#)

Last Site Visit Report Date (if available) 02-02-2021

Additional Remarks (if any)

- I '[Orissa Metaliks Private Limited](#)' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From IRO

Cover Letter From IRO NA

Name of the Project: -

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

Clearance Letter/s No. and date: -

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

Period of Compliance Report -

April 2023 to September 2023

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



TPA

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

In the financial year 2023-24, till September 2023 around 803 nos. of trees were planted and the survival rate is 96.0%. Total area covered in green belt is 33%. The Green Belt details are as follows:

Sl. No.	Species Planted	Quantity in Numbers					
1	Areca Palm	40					
3	Foxtail Palm	35					
4	Bakul	85					
5	Nerium	188					
6	Yellow Oleander	248					
7	Conocarpus	30					
8	Medicinal Plant	177					
Survival of plantation		Before 2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024 (till Sept.)
Total Seedling/Plantation (No.)		4,000	1,000	4,000	4,000	4,000	803
Survival Trees (No) as on date from date of EC		2,500	960	3,840	3,840	2,500	771
Survival		--	96 %				
TOTAL SURVIVAL TREES/ SAPLING TILL DATE		13,711					
Area Covered (Acres)		10.3					



7	<p>Project Cost: project cost 290 Crores as per earlier EC. Project Cost remains same as investment for proposed proposal as 25 MW CPP will not be installed and its place 05 no. I.F. with Rolling Mill is proposed.</p> <p>Pollution Control Cost: no change in project Cost because of proposed proposal. Capital cost: Rs. 20.00 Crores; recurring cost: Rs. 2.00 Crores/ Annum remain same.</p>	<p style="text-align: center;">Noted</p> <p>Adequate fund provision (Rs 20 Crores capital cost & Rs 2.0 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose. The detail about the Recurring Cost on Environmental Safeguard for current operational plant is :</p> <table border="1" data-bbox="901 369 1508 1086"> <thead> <tr> <th>Year</th> <th>Particulars</th> <th>Narration</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center;">2023-2024 (Till Sept.)</td> <td style="text-align: center;">Green Belt Development</td> <td>Maintenance, labour cost etc.</td> <td style="text-align: right;">61,200</td> </tr> <tr> <td style="text-align: center;">House Keeping</td> <td>Labour charges, Drainage Cleaning and other materials</td> <td style="text-align: right;">2,11,600</td> </tr> <tr> <td style="text-align: center;">Analysis & Monitoring of Environmental Parameters</td> <td>Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis</td> <td style="text-align: right;">1,12,050</td> </tr> <tr> <td style="text-align: center;">O & M on A.P.C Devices</td> <td>Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.</td> <td style="text-align: right;">8,10,800</td> </tr> <tr> <td colspan="3" style="text-align: center;">TOTAL (INR)</td> <td style="text-align: right;">11,95,650</td> </tr> </tbody> </table>					Year	Particulars	Narration	Amount	2023-2024 (Till Sept.)	Green Belt Development	Maintenance, labour cost etc.	61,200	House Keeping	Labour charges, Drainage Cleaning and other materials	2,11,600	Analysis & Monitoring of Environmental Parameters	Stack, Fugitive, Ambient, Water etc. Monitoring & Analysis, In-house Analysis	1,12,050	O & M on A.P.C Devices	Operation & Maintenance cost, Electricity consumption etc. on A.P.C Device installed.	8,10,800	TOTAL (INR)			11,95,650
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8	<p>Make-up water Consumption: make up water requirement is 2712 KLD.</p> <p>Source: Existing Bore well/ Rainwater Harvesting Pond.</p>	<p style="text-align: center;">Noted</p> <p>Orissa Metaliks Private Limited has already obtained sufficient permission for Ground water withdrawal & Surface water (from river Kansabati) from SWID West Bengal.</p>																									
9	Manpower : Total- 350	<p style="text-align: center;">Noted</p>																									
10	<p>Air pollution Control device Detail</p> <table border="1" data-bbox="204 1350 874 1977"> <thead> <tr> <th>Unit Name</th> <th>Configuration</th> <th>APC & Stack Detail</th> </tr> </thead> <tbody> <tr> <td>Induction furnace with LRF & CCM</td> <td>15 X 20 T</td> <td>03 no Bag Filter with 03 no. stack of 35 meter</td> </tr> <tr> <td>Hot Rolling Mill with induction heater</td> <td>6,50,000 TPA</td> <td rowspan="2" style="text-align: center;">----</td> </tr> <tr> <td>Cold Rolling Mill with Annealing heater</td> <td>1,90,000 TPA</td> </tr> <tr> <td>45 MW- CFBC based CPP (Dolochar Coal mix based)</td> <td>1 x 200 TPH</td> <td>ESP Stack. 1 no., 75 m</td> </tr> </tbody> </table>					Unit Name	Configuration	APC & Stack Detail	Induction furnace with LRF & CCM	15 X 20 T	03 no Bag Filter with 03 no. stack of 35 meter	Hot Rolling Mill with induction heater	6,50,000 TPA	----	Cold Rolling Mill with Annealing heater	1,90,000 TPA	45 MW- CFBC based CPP (Dolochar Coal mix based)	1 x 200 TPH	ESP Stack. 1 no., 75 m	<p>Noted and being complied with by holding & subsidiary company both.</p>							
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11	Solid waste	Sl. No	Solid Waste	Revised Quantity	Solid Waste management	<p style="text-align: center;">Noted and being complied with</p> <p>Slag is being used for Road Construction. Low land levelling & paver Block making.</p> <p>Solid waste (dust as collected in the de-dusting</p>																					



			ation (TPA)		System) from SMS is used in the pellet plant as palletisation mix. Environmental statement for financial year 2022-23 in prescribed format has been submitted to WBPCB vide letter no-OMPL/ENV_Statement/2023-2024 dated 21.09.2023
		1	Slag and Dust from Induction Furnace	1,71,125	Slag to be used for Road Construction . Low land-filling & paver Block making after recovering metal from slag crushing unit. Solid waste (dust as collected in the Dedusting System) from SMS will be used in the pellet plant as palletisation mix.
		2	Mill scale and scraps from Rolling Mill & CCM	34,800	Used as raw material in SMS Plant
		3	Fly Ash	96,150	Used as a raw material for cement manufacturing / brick manufacturing.
		4	Bottom Ash	55,730	Used for land filling/road construction purpose.
12	Power requirement: 157 MW				Noted
13	Applicability of EIA Notification 2006: Category B1 [3 (a): metallurgical Industry (ferrous & Non Ferrous) & 1 (d) Thermal power Plant]				Noted

SL. NO	SPECIFIC CONDITION	COMPLIANCE STATUS
1	The gaseous emissions from various process units should conform to the load/mass-based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.	Being complied SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Necessary measures have been adopted by the management for preventing gaseous emission for operational





		<p>plant.</p> <p>Load/mass-based standards for the financial year 2022-2023 has been submitted in the prescribed format with Environmental Statement to the West Bengal Pollution Control vide letter no- OMPL/ENV_Statement/2023-2024 dated 21.09.2023</p> <p>Fugitive emission analysis is being done on regular basis by M/s Greenvision West Bengal which is NABL/ WBPCB accredited laboratory. The analysis data as per report (September 2023) are:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Near SMS Area</th> <th>Near Truck Parking Area</th> </tr> </thead> <tbody> <tr> <td>SPM ($\mu\text{g}/\text{m}^3$)</td> <td>295.12</td> <td>385.72</td> </tr> </tbody> </table> <p>Fugitive monitoring reports are attached as Annexure No.-I.</p>	Parameter	Near SMS Area	Near Truck Parking Area	SPM ($\mu\text{g}/\text{m}^3$)	295.12	385.72
Parameter	Near SMS Area	Near Truck Parking Area						
SPM ($\mu\text{g}/\text{m}^3$)	295.12	385.72						
2	<p>Induction furnaces should be provided with fume extraction and dedicated pollution control systems consisting of Swivelling Hood, Spark Arrestor cum Cyclone separator, Bag Filter, ID Fan etc. and stack of height 30m from G.L. as proposed. Secondary fume extraction system with adequate side suction should be provided to prevent fugitive emission during charging. Adequate dust extraction system to be provided with re-heating furnace of rolling mills. Stack emission (PM) should not exceed 50 mg/Nm³. Stack emissions should be monitored at regular intervals and records should be maintained.</p>	<p>Being complied</p> <p>24 x 7 continuous emission monitoring system have been installed as per CPCB guideline at process stacks to monitor stack emission and the data are being transferred to CPCB online server. Existing SMS with LRF are equipped with bag filters, hood and I.D. Fans. All bag houses are design to meet the standard below 50 mg/Nm³.</p> <p>Stack monitoring of the currently operating units is carried out on regular basis by W.B.P.C.B/ NABL/ MoEF authorized laboratories. Stack monitoring report is enclosed as Annexure-II.</p> <p>Also, as per CPCB guidelines OCEMS (Particular Matter) is installed and data is continuously being transferred to CPCB server. Six monthly data of OCEMS is enclosed as Annexure-III.</p>						
3	<p>Dust collection from Bag filter should be done through pneumatic control system. Collected dust is to be sold for land filling subject to the condition that it does not fall under the Hazardous wastes (Management, Handling and Transboundary Movement) Rules, 2008.</p>	<p>Being Complied</p> <p>As stated earlier SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. For the operational plant, Dust collection from Bag filter is done through pneumatic control system and is used for levelling, in pellet making etc.</p> <p>For the proposed remaining units same will be adopted.</p>						
4	<p>High efficiency ESPs should be installed in CPP to ensure that particulate emission does not exceed 50 mg/Nm³. Adequate dust extraction system and water spray system in dust prone areas such as coal handling plant & ash handling plant & ash handling plant/ points, transfer areas and other vulnerable areas shall be provided. Space for FGD is to be provided as submitted.</p>	<p>Will be complied with</p> <p>SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. The APC dust from SMS is used in pellet plant.</p> <p>The CPP project has not been started till date. The stipulated conditions will be complied in parallel with implementation of the project.</p>						



5	Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.	<p style="text-align: center;">Being Complied</p> <p>Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB/ MoEF&CC/ NABL accredited laboratories.</p> <p>Ambient Air Quality (AAQ) are monitored at two locations viz., Near Plant Main Gate and Radhanagar Village by third party monitoring agency M/s. Greenvision, West Bengal which is NABL/ WBPCB accredited laboratory. As per monitoring reports the emission levels are as follows:</p> <table border="1" data-bbox="898 533 1501 786"> <thead> <tr> <th>Parameter</th> <th>Near Plant Main Gate</th> <th>Radhanagar Village</th> </tr> </thead> <tbody> <tr> <td>PM10 ($\mu\text{g}/\text{m}^3$)</td> <td>70.63</td> <td>58.98</td> </tr> <tr> <td>PM 2.5 ($\mu\text{g}/\text{m}^3$)</td> <td>35.66</td> <td>30.83</td> </tr> <tr> <td>SO2 ($\mu\text{g}/\text{m}^3$)</td> <td>9.52</td> <td>8.79</td> </tr> <tr> <td>NO2 ($\mu\text{g}/\text{m}^3$)</td> <td>30.22</td> <td>28.62</td> </tr> <tr> <td>CO (mg/m^3)</td> <td>0.374</td> <td>0.194</td> </tr> </tbody> </table> <p>AAQM reports are attached for your ready reference as Annexure No.-IV.</p> <p>Also after taking into consideration the interest and financial share cost from associate company of the Group, for monitoring the Ambient Air quality around industrial units of the Group, 04 nos. Continuous Ambient Air Quality Monitoring Station (USEPA/ MCERT approved) is installed covering upwind, downwind and crosswind directions after getting site approval from WBPCB. CAAQMS data is enclosed as Annexure-V.</p>	Parameter	Near Plant Main Gate	Radhanagar Village	PM10 ($\mu\text{g}/\text{m}^3$)	70.63	58.98	PM 2.5 ($\mu\text{g}/\text{m}^3$)	35.66	30.83	SO2 ($\mu\text{g}/\text{m}^3$)	9.52	8.79	NO2 ($\mu\text{g}/\text{m}^3$)	30.22	28.62	CO (mg/m^3)	0.374	0.194
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6	Adequate measures to be adopted for control of fugitive emission. Regular water sprinkling should be done to control the fugitive emission. Bag filter of adequate capacity to be provided to the raw material handling section.	<p style="text-align: center;">Being Complied With and will continued to be complied</p> <p>Adequate Measures have been taken for reducing the RSPM levels in the ambient air like</p> <ol style="list-style-type: none"> 1. Fixed water sprinklers are provided in the potential internal roads, plant area and raw materials handling areas. 2. One number of Mobile water sprinkler tanker and one number of water mist cannon have been engaged for regular water sprinkling in the haul roads of construction areas for control of fugitive dust emission. 3. Frequency of Mechanical Street sweeping machine with vacuum cleaning has been increased (from 2 times a days to 04 times a day). 4. Adequate dust suppression and extraction system are provided in material storage areas, material unloading and transfer points for controlling fugitive emission and the dust from APC devices are collected and reused in the process. 5. Movable water mist fog system is being used. 																		



7	Water meter to be installed at every inlet point of fresh water uptake and also at circulation points and regular records to be maintained.	<p>Being complied with</p> <p>Water meter at the bore well is installed and daily log book are maintained. Also Online continuous telemetry system is provided to all the bore wells and the data is transferred to SWID, West Bengal.</p>
8	Groundwater should not be abstracted without obtaining permission from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. Water requirement for the proposed expansion project should be met from DVC as per permission obtained.	<p>Being complied with</p> <p>Sufficient water extraction permission from SWID, Government of West Bengal has been obtained.</p>
9	Sponge iron and Pig iron should be used as major raw material in Induction Furnace (at least 70% of the total input). Use of galvanized iron scrap as raw material is not permitted.	<p>Being Complied</p> <p>Sponge iron and pig iron are used as major raw material in operational Induction Furnaces.</p>
10	Covered storage yard for raw materials to be provided. Loading and unloading operations should not be carried out in open areas.	<p>Being Complied</p> <p>Covered storage yard for raw materials is provided. Loading and unloading operations for operational unit is not carried out in open areas.</p> 
11	As proposed, the unit must develop storage facilities to harvest rain water of capacity 900 KL so as to use the stored water for plantation, fire fighting, washing & cleaning etc. Recharging of ground water is not permitted.	<p>Being Complied</p> <p>Storage facilities to harvest rain water of capacity 900 KL is in place and water is used for plantation, fire fighting, washing & cleaning etc.</p> 
12	Process effluent discharge is not permitted. Cooling water should be recycled.	<p>Being Complied</p> <p>SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. It has been stated that the conditions were considered in the design of the project. Plant is designed as Zero Discharge plant. Water analysis report is enclosed as Annexure-IX.</p>



13	Solid wastes are generated in the form of scrap and slag. Scrap should be recycled in the proposed plant as proposed. Slag may be used for road construction and land filling; however, indiscriminate dumping is not permitted under any circumstances.	<p style="text-align: center;">Being Complied/</p> <p>SMS Slag is used for road construction and land filling after maximum recovery of metal. TCLP test for SMS slag is enclosed as Annexure-VI. The detail of solid waste generated and its management practice adopted for SMS & rolling mill is:</p> <table border="1" data-bbox="903 371 1497 824"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>Disposal Scheme</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Slag from SMS Slag</td> <td>Slag to be used for road construction, Low land levelling & paver block making after recovering metal from slag crushing unit and doing TCLP test. Solid waste (dust as collected in the de-dusting system) from SMS will be used in the pellet plant as pelletization mix</td> </tr> <tr> <td>2</td> <td>Mill scale & Scrap / End cuts from Rolling mill</td> <td>Used as raw material in SMS plant.</td> </tr> </tbody> </table>	S. No.	Particulars	Disposal Scheme	1.	Slag from SMS Slag	Slag to be used for road construction, Low land levelling & paver block making after recovering metal from slag crushing unit and doing TCLP test. Solid waste (dust as collected in the de-dusting system) from SMS will be used in the pellet plant as pelletization mix	2	Mill scale & Scrap / End cuts from Rolling mill	Used as raw material in SMS plant.								
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2	Mill scale & Scrap / End cuts from Rolling mill	Used as raw material in SMS plant.																	
14	Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB (A) Leq (night-time) and 70 dB(A) Leq (night time) and its subsequent amendments.	<p style="text-align: center;">Being Complied</p> <p>SMS with matching LRF, CCM & rolling mill are in operation and rest of the facilities are yet to be implemented. Noise Monitoring is being done on regular basis by M/s. Greenvision, West Bengal which is NABL/ WBPCB accredited laboratory at three locations viz. Plant Main gate, Amba Village & Near SMS Area and noise levels are as follows:</p> <table border="1" data-bbox="903 1173 1497 1294"> <thead> <tr> <th rowspan="2">Parameter</th> <th colspan="2">Near Plant Main gate</th> <th>SMS Area</th> <th colspan="2">Amba Village</th> </tr> <tr> <th>Day</th> <th>Night</th> <th>-</th> <th>Day</th> <th>Night</th> </tr> </thead> <tbody> <tr> <td>Leq (dBA)</td> <td>62.7</td> <td>52.4</td> <td>55.5-65</td> <td>59.7</td> <td>49.9</td> </tr> </tbody> </table> <p>The Ambient & Work Zone Noise quality monitoring reports are attached as Annexure - VII.</p>	Parameter	Near Plant Main gate		SMS Area	Amba Village		Day	Night	-	Day	Night	Leq (dBA)	62.7	52.4	55.5-65	59.7	49.9
Parameter	Near Plant Main gate			SMS Area	Amba Village														
	Day	Night	-	Day	Night														
Leq (dBA)	62.7	52.4	55.5-65	59.7	49.9														
15	At least 5000 nos. of recommended species to be planted in the green belt area of 10.22 acres. Indicative list of species is given at Annexure-I. Green belt comprising of three rows of trees with thick canopy should be developed all along the periphery of the plant.	<p style="text-align: center;">Being Complied</p> <p>As mentioned in point no-6, in the financial year 2023-2024, till September 2023 around 803 plants were planted and the survival rate is 96.0%. Total area covered in green belt is 33%.</p>																	
16	All internal roads should be concreted /pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises. Solar lighting should be used as far as practicable.	<p style="text-align: center;">Being/Will be Complied</p> <p>Concreting of internal road with proper drainage system is going on and balance will be done in parallel with implementation of project.</p> <p>Proper lighting and proper pathway inside the factory premises are constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles is in place. Vehicles conforming to pollution under control (PUC) norms are only allowed inside the plant premises.</p> <p>For effective housekeeping following steps are</p>																	



adopted by the management:

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







17

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


Being Complied

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



		 <p>ENVIRONMENT AWARENESS PROGRAMME</p>  <p>ENVIRONMENT AWARENESS PROGRAMME</p> <p>Occupational health surveillance of the workers is being periodically accessed and records are being maintained as per the Factories Act 1948. OHS record is enclosed as Annexure-VIII.</p>
18	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	<p>Being Complied</p> <p>Regular mock drills are carried out to create awareness among employees about necessary safety measures to be taken at any unforeseen circumstances. Hydrants, medium velocity spray system, portable fire extinguishers of various capacities containing agents such as CO₂, DCP etc. are located at strategic points of the plant to control fire and explosion hazards.</p>
19	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	<p>Being Complied</p> <p>Adequate funds have been deployed in CAPEX and OPEX and an itemised action plan has been drawn for implementing the stipulated conditions.</p> <p>The detail about the Recurring Cost on Environmental Safeguard for current operational plant is discussed in point no-7.</p>
20	Trucks carrying coal and other raw material shall be covered with tarpaulin to prevent spreading of dust during transportation.	<p>Being Complied</p> <p>Trucks carrying coal and other raw material are covered with tarpaulin to prevent spreading of dust during transportation.</p>
21	Haulage road shall be sprinkled with water at regular intervals for which tankers with sprinkler	<p>Being Complied With</p> <p>One number of dedicated water spraying</p>



	arrangement are deployed. Regular sweeping of roads shall be practiced with vacuum sweeping machine or water flushing to minimize dust.	tankers on haul roads for dust suppression is in use. Also 10 nos. water sprinkler/ water gun along the roadside covering 0.5 km have been installed to reduce fugitive emission. Regular sweeping of roads is practiced with vacuum sweeping machine to minimize dust.
22	At least 5 MW of solar power to be generated and utilized to reduce coal consumption.	Noted In order to reduce the consumption of non-renewable source of energy (coal), power requirement of the existing operational unit is made from Waste Heat Recovery Boiler (WHRB) attached with DRI Kilns of Orissa Metaliks (P) Ltd Unit-I. But in near future if power requirement increases necessary arrangement will be made for incorporating Solar power.
23	Rain water harvesting pond of area 1.389 acres to create as proposed for surface storage of rain water.	Being Complied One number of rain water harvesting pond on 1.389 acres is in place and harvested rain water is used in plant for green belt development and dust suppression.
24	Rain water to be harvested at least to the extent of 20000 cum/annum and should be utilized in all plant requirement and limit ground water abstraction below 0.6 MGD.	Being Complied Common rainwater harvesting pond of 50,000 KL capacity is in place and harvested rain water is used in plant for green belt development and dust suppression.
25	CSR schemes identified based on public hearing issues and need based assessment shall be implemented in consultation with District Administration starting from the development of project itself.	Being Complied M/s Orissa Metaliks Private Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages. In financial year 2023-24, till September 2023 OMPL company has spent Rs.33, 65,333 under the head of CSR/CER. The recent CSR/CER photograph are as:  Revamping of ambulance





SL. NO.	GENERAL CONDITION	COMPLIANCE STATUS
1	The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.	Noted As per Ministry O.M. issued vide File No.-1A3-22/28/2022-1A.111[E 181584] dated 13th December 2022, the validity of environment clearance is increased to 10 years and further extendable for another 01 year.
2	Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	Complied The Consent to Establish (NOC) permissions for project were awarded by WBPCB vide NOC no-147019 dated 12.04.2017, amendment dated 15.05.2017 and NOC no-159390 dated 26.07.2019.
3	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being Complied As stated, earlier M/s Orissa Metaliks Private Limited has well-defined CSR policy under which OMPL Carry out social development and welfare measures in the surrounding villages.
4	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	Being Complied
5	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	Noted We have provided housing for construction labour outside the site with cooking, toilets, drinking water, medical health care etc.
6	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA,	Being Complied Adequate fund provision (Rs 20 Crores capital cost & Rs 2.0 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose.



	West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	The detail about the Recurring Cost on Environmental Safeguard for current operational plant is enclosed as point no-7 .																																								
7	No further expansion or modification in the plant should be carried out without prior approval of the State Level Environmental Impact Assessment Authority, West Bengal. In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.	Agreed																																								
8	The West Bengal Pollution Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State level Environment Impact Assessment Authority, West Bengal and also to Regional Office of MoEF&CC, Bhubaneswar.	Being Complied and will continued to be complied Regular reports of Monitoring and compliance are submitted to the State Level Environment Impact Assessment Authority, West Bengal & WBPCB regularly. The recent five year details of submission are enclosed here with.																																								
		<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Year</th> <th>Period Up To</th> <th>Submission Date</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td rowspan="2">2017-2018</td> <td>1st Dec 2017</td> <td>22.11.2017</td> </tr> <tr> <td>1st June 2018</td> <td>01.06.2018</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">2018-2019</td> <td>1st Dec 2018</td> <td>21.11.2018</td> </tr> <tr> <td>1st June 2019</td> <td>23.05.2019</td> </tr> <tr> <td rowspan="2">3</td> <td rowspan="2">2019-2020</td> <td>1st Dec 2019</td> <td>18.11.2019</td> </tr> <tr> <td>1st June 2020</td> <td>27.05.2020</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">2020-2021</td> <td>1st Dec 2020</td> <td>01.12.2020</td> </tr> <tr> <td>1st June 2021</td> <td>28.05.2021</td> </tr> <tr> <td rowspan="2">5</td> <td rowspan="2">2021-2022</td> <td>1st Dec 2021</td> <td>01.12.2021</td> </tr> <tr> <td>1st June 2022</td> <td>26.05.2022</td> </tr> <tr> <td rowspan="2">6</td> <td rowspan="2">2022-2023</td> <td>1st Dec 2022</td> <td>19.11.2022</td> </tr> <tr> <td>1st June 2023</td> <td>26.05.2023</td> </tr> </tbody> </table>	Sr. No	Year	Period Up To	Submission Date	1	2017-2018	1 st Dec 2017	22.11.2017	1 st June 2018	01.06.2018	2	2018-2019	1 st Dec 2018	21.11.2018	1 st June 2019	23.05.2019	3	2019-2020	1 st Dec 2019	18.11.2019	1 st June 2020	27.05.2020	4	2020-2021	1 st Dec 2020	01.12.2020	1 st June 2021	28.05.2021	5	2021-2022	1 st Dec 2021	01.12.2021	1 st June 2022	26.05.2022	6	2022-2023	1 st Dec 2022	19.11.2022	1 st June 2023	26.05.2023
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9	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguards measures in a time-bound and satisfactory manner.	Noted																																								
10	The project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the West Pollution Control Board and may also be seen at Website of the SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	Complied The management of OMPL have advertised information regarding grant of Expansion EC in two local newspaper viz., <ul style="list-style-type: none">• "Aajkal" (Bengali) dated 06.10.2018 and• "Business Standard" (English) dated 06.10.2018																																								
11	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels	Complied Monitoring of criteria pollutants level namely; PM10, PM 2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters is done by third party monitoring agency M/s.																																								



	namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Qualissure Laboratory Services, Kolkata which is NABL accredited laboratory. Emission levels of pollutants of different units is being displayed on board maintained as per CPCB format issued vide File no-B-29016 NGT/C-10/2020/ WM II/Div./ Dated 20th January 2020 outside the main gate of the plant for disclosure to the public and also uploaded on the website of the company https://orissametaliks.com/qehs.html Electronic display board has been installed at plant main gate and online stack emission data is also being displayed.										
12	The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.	Noted Private Company, no finance is needed m outside.										
13	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous wastes (Management, Handling and Trans boundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.	Noted										
14	The contact details of the proponent and the name of the consultant are given below: <table border="1" data-bbox="183 1164 837 1624"> <tr> <td>Name of the Contact person with Designation</td> <td>Mr. Bijayen Srivastava, Manger-Environment & Pollution</td> </tr> <tr> <td>Address</td> <td>1, Grastin Place, 3rd Floor, Kolkata-700001</td> </tr> <tr> <td>Telephone Number, Fax Number</td> <td>033 22438518; Fax no. 033 2243 8517; 7044070948 (M)</td> </tr> <tr> <td>Email</td> <td>orissametalikspvtltd@gmail.com</td> </tr> <tr> <td>Name of the Environmental Consultant</td> <td>Kalyani laboratories Private Limited</td> </tr> </table>	Name of the Contact person with Designation	Mr. Bijayen Srivastava, Manger-Environment & Pollution	Address	1, Grastin Place, 3 rd Floor, Kolkata-700001	Telephone Number, Fax Number	033 22438518; Fax no. 033 2243 8517; 7044070948 (M)	Email	orissametalikspvtltd@gmail.com	Name of the Environmental Consultant	Kalyani laboratories Private Limited	Agreed
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Email	orissametalikspvtltd@gmail.com											
Name of the Environmental Consultant	Kalyani laboratories Private Limited											
F. No. IA3-22/8/2021-IA.III [E 150512] dated 18.07.2022												
I)	Sensitization of project proponents on implementation of ban on Single Use Plastic (SUP).	In order to create awareness among the employees about the harm/ impact of Single Use Plastic on environment, banner and flex are displayed at suitable place like work place, canteen, parking area etc.										





GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC110032300000423F

Report No. : GV/AR/23-24/221
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd.
Address of Customer : Mouza : Mathurakismat, Gokulpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Fugitive Air
Sampling Location : Near S.M.S. Area
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory
Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-155-2023(2)
Report Date : 29.09.2023
Date of Sampling : 16.09.2023
Date of Receiving : 18.09.2023
Analysis Started On : 19.09.2023
Analysis Completed On : 20.09.2023
Time of Sampling : 08:50 am to
04:50 pm

A. METROLOGICAL INFORMATION

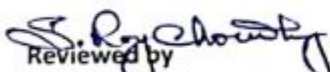
Average Temperature (°C) : 32.0
Barometric Pressure (mm of Hg) : 756.0

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	295.12	IS : 5182 (Part 4),1999
02.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	8.79	IS : 5182 (Part 2),2006
03.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	30.22	IS : 5182 (Part 6),2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM – 2000, SO₂ – 80, NO₂ – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.
3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.



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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

TEST REPORT OF FUGITIVE AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1100323000000424F

Report No. : GV/AR/23-24/222
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd.
Address of Customer : Mouza : Mathurakismat, Gokulpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Fugitive Air
Sampling Location : Near Truck Parking Area
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory
Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-155-2023(3)
Report Date : 29.09.2023
Date of Sampling : 16.09.2023
Date of Receiving : 18.09.2023
Analysis Started On : 19.09.2023
Analysis Completed On : 20.09.2023
Time of Sampling : 09:30 am to
05:30 pm

A. METROLOGICAL INFORMATION

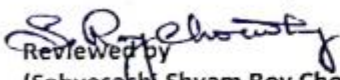
Average Temperature ($^{\circ}\text{C}$) : 32.0
Barometric Pressure (mm of Hg) : 756.0

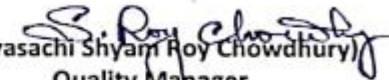
B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of TSPM	$\mu\text{g}/\text{m}^3$	385.72	IS : 5182 (Part 4),1999
02.	Concentration of SO_2	$\mu\text{g}/\text{m}^3$	9.52	IS : 5182 (Part 2),2006
03.	Concentration of NO_2	$\mu\text{g}/\text{m}^3$	38.83	IS : 5182 (Part 6),2006

Limit : ($\mu\text{g}/\text{m}^3$) TSPM – 2000, SO_2 – 80, NO_2 – 80

Ref. : The Environment (Protection) Rules, 1986, Fourth Amendment, 2008 notified by G.S.R.414(E), dated 30.5.2008.


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
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WEST BENGAL POLLUTION CONTROL BOARD

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

ANNEXURE-II

Analysis Report of Gaseous Emission

Sample ID : 260520230086

1. Name of Industry	: M/s. Orissa Metaliks Pvt. Ltd. (Unit-I)
2. Address	: Vill-Gokulpur, Shyamraipur, Kharagpur, Paschim Medinipur
3. Category & Type	: Red/Integrated Steel Plant
4. Sampling Date	: 24/05/2023
5. Sampled collected by	: S. Mukherjee(JEE), HRO
6. Thimble Number	: 448
7. Name of WBPCB Recognized Laboratory	: M/s. R. V. Briggs & Co. (P) Ltd.
8. Duration of Sampling	: 38 min
9. Height of Stack from ground (m)	: 35.0
10. Cross section of stack at sampling point (m ²)	: 0.7857
11. Stack connected to	: Induction Furnace (6 to10) (5x20 MT each) attached with Common Stack, all furnace were running condition
12. Emission source (Furnace / Boiler)	: Melting of Pig Iron and Sponge Iron
13. Average operational hours of boiler/furnace (per month)	: 720 hr./month
14. APC System (if any)	: Bag Filter
15. Working load of source (MT/hr.)	: 5x20 MT each (all furnace were running in the time of sampling)
16. Fuel used	: -
17. Rated Fuel consumption (Kg or L /hr.)	: -
18. Working Fuel consumption (Kg or L /hr.)	: -
19. Nature of Furnace / Boiler	: Induction furnace
20. Flue Gas Temp (°C)	: 46.0
21. Flue gas velocity (m/sec)	: 14.37
22. Volume of Flue gas drawn in lit (m ³)	: 1.064
23. Corrected flue gas volume (Nm ³)	: 0.9153
24. Percentage CO ₂ and or O ₂	: CO ₂ -0.2% & O ₂ -19.8%
25. To be compensated at (% , if required)	: -
26. Initial weight of Thimble (g)	: 1.4803
27. Final weight of Thimble (g)	: 1.4815
28. Weight of Particulate Matter (mg)	: 1.20
29. Particulate Matter (mg/Nm ³)	: 1.31
30. Barometric Pressure Head in mm of Hg	: 756 mm of Hg
31. Diameter of the nozzle (mm)	: 6.35 mm
32. Others	: -

Date of Reporting : 30/05/2023

Scientist

Senior Scientist

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

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

ONLINE CONTINUOUS EMISSION MONITORING STATIONS (Period- 1st April 2023 to 30th September 2023)

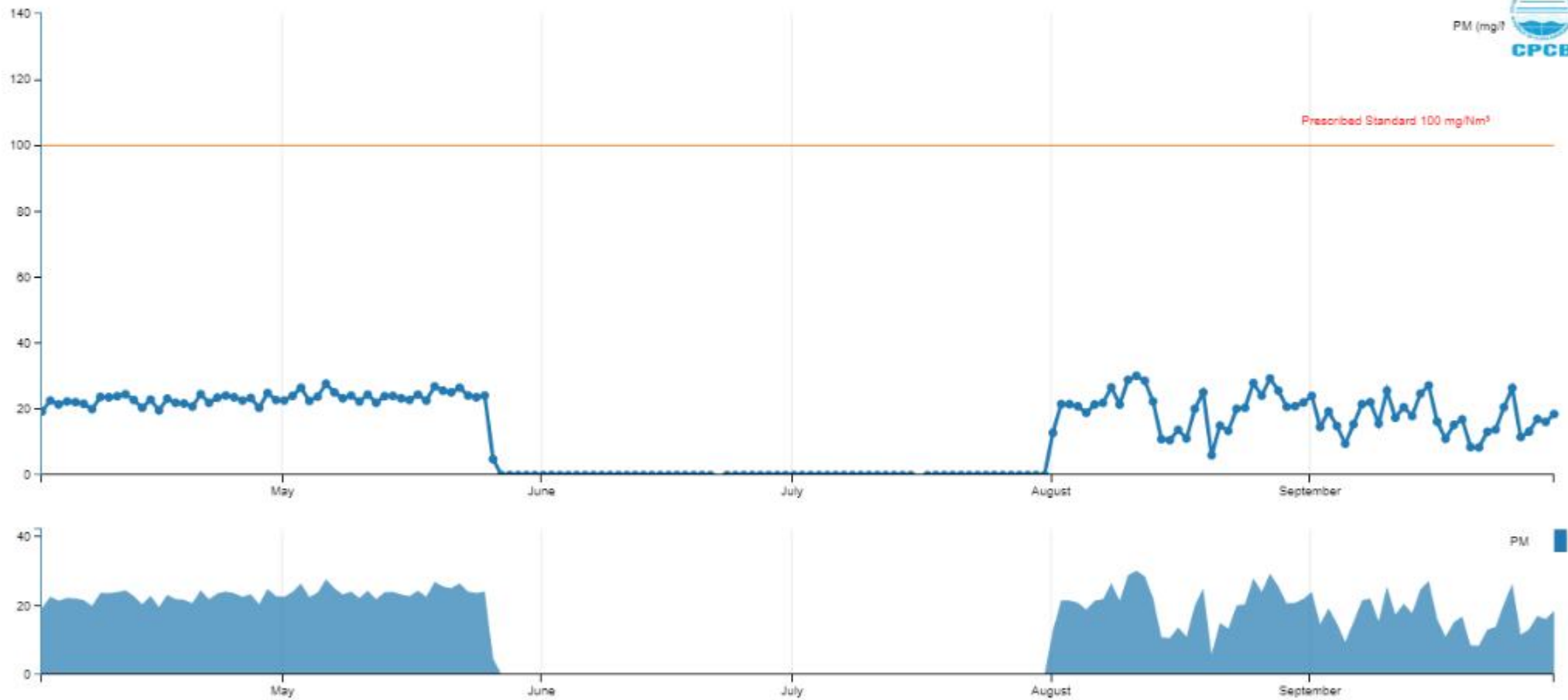
ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi
Metaliks Limited Unit-II) Stack_3_Induction Furnace of SMS & LRF

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

Start Date - 2023-04-01

End Date - 2023-09-30

Average - daily



ONLINE CONTINUOUS EMISSION MONITORING STATIONS (Period- 1st April 2023 to 30th September 2023)

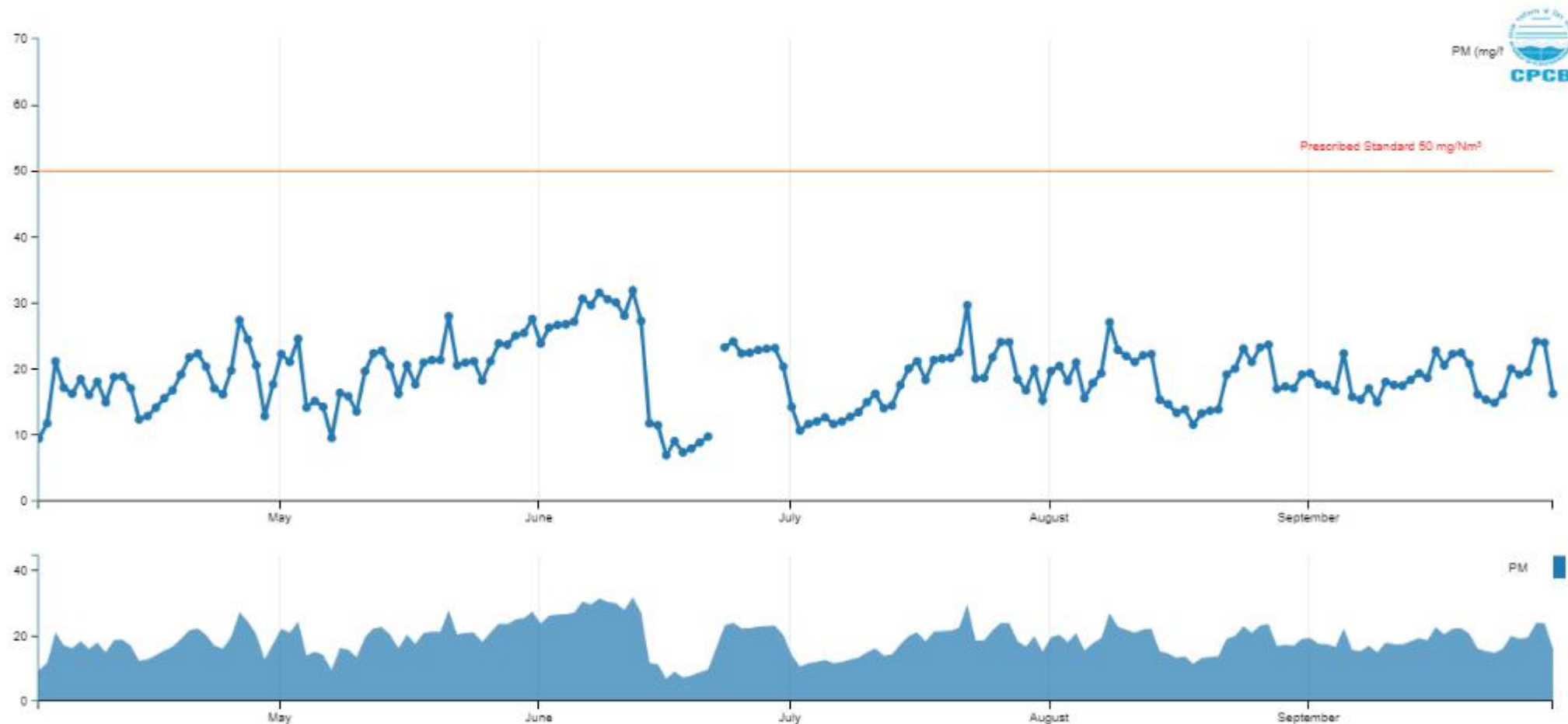
ORISSA METALIKS PRIVATE LIMITED UNIT-I (Previously Known as Rashmi Metaliks Limited Unit-II) STACK_7_SMS_INDUCTION FURNACE

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

Start Date - 2023-04-01

End Date - 2023-09-30

Average - daily



Prescribed Standard 50 mg/Nm³



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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-11003

TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision

Report No. : GV/AR/23-24/220
 Name of Customer : M/s. Orissa Metaliks Pvt. Ltd.
 Address of Customer : Mouza : Mathurakismat, Gokulpur, Kharagpur,
 Dist. : Paschim Medinipur, Pin : 721301, W.B.
 Sample Description : Ambient Air
 Sampling Location : Near Plant Main Gate
 Sample Condition : In GMF Filter Paper & Plastic Bottle
 Location of Testing : At Laboratory
 Sampling Method : CPCB, Emission Regulation (Part III)

U.L.R. No. : TC1100323000000421F

Sample Ref. ID : AS-155-2023(1)
 Report Date : 29.09.2023
 Date of Sampling : 16.09.2023 to
 17.09.2023
 Date of Receiving : 18.09.2023
 Analysis Started On : 19.09.2023
 Analysis Completed On : 20.09.2023
 Time of Sampling : 08:30 am to
 08:30 am

A. METROLOGICAL INFORMATION

Average Temperature ($^{\circ}\text{C}$) : 31.8
 Average Relative Humidity (%) : 76.0
 Barometric Pressure (mm of Hg) : 756.0
 Smell or Odour : No Remarkable Smell
 Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	$\mu\text{g}/\text{m}^3$	70.63	IS : 5182 (Part 23),2006
02.	Concentration of PM _{2.5}	$\mu\text{g}/\text{m}^3$	35.66	EPA CFR – 40 (pt 50) Appendix – 1 : 2003
03.	Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	9.52	IS : 5182 (Part 2),2006
04.	Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	30.22	IS : 5182 (Part 6),2006
05.	Concentration of CO	mg/m^3	0.374	IS 5182 [Part 10] : 1999 Reaffirmed 2005

Limit : ($\mu\text{g}/\text{m}^3$) National Ambient Air Quality Standard, CPCB Notification, 18 th November, 2009

PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, CO : 4 (mg/m^3)

S. Shyam Roy Chowdhury
 Reviewed by

(Sabyasachi Shyam Roy Chowdhury)
 Quality Manager

S. Shyam Roy Chowdhury
 (Sabyasachi Shyam Roy Chowdhury)
 Quality Manager
 Authorised Signatory
 For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
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 3. Retention period of tested sample (Filter Paper) is 6 months from the date of issue test report unless otherwise specified.



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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216
Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF AMBIENT AIR ANALYSIS

FORMAT NO. : GV/LAB/FM/33A

Sample is drawn by M/s. Greenvision

U.L.R. No. : TC1100323000000422F

Report No. : GV/AR/23-24/223
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd.
Address of Customer : Mouza : Mathurakismat, Gokulpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Ambient Air
Sampling Location : Radhanagar Village
Sample Condition : In GMF Filter Paper & Plastic Bottle
Location of Testing : At Laboratory
Sampling Method : CPCB, Emission Regulation (Part III)

Sample Ref. ID : AS-155-2023(4)
Report Date : 29.09.2023
Date of Sampling : 16.09.2023 to
17.09.2023
Date of Receiving : 18.09.2023
Analysis Started On : 19.09.2023
Analysis Completed On : 20.09.2023
Time of Sampling : 10:35 am to
10:35 am

A. METROLOGICAL INFORMATION

Average Temperature (°C) : 31.8
Average Relative Humidity (%) : 76.0
Barometric Pressure (mm of Hg) : 756.0
Smell or Odour : No Remarkable Smell
Weather Condition : Clear Sky

B. RESULT OF ANALYSIS

Sl. No.	Parameters	Unit	Concentration	Test Method
01.	Concentration of PM ₁₀	µg/m ³	58.98	IS : 5182 (Part 23),2006
02.	Concentration of PM _{2.5}	µg/m ³	30.83	EPA CFR – 40 (pt 50) Appendix – 1 : 2003
03.	Concentration of SO ₂	µg/m ³	8.79	IS : 5182 (Part 2),2006
04.	Concentration of NO ₂	µg/m ³	28.62	IS : 5182 (Part 6),2006
05.	Concentration of CO	mg/m ³	0.194	IS 5182 [Part 10] : 1999 Reaffirmed 2005

Limit : (µg/m³) National Ambient Air Quality Standard, CPCB Notification, 18 th November, 2009
PM₁₀ (24 Hrs) : 100, PM_{2.5} (24 Hrs) : 60, SO₂ (24 Hrs.) : 80, NO₂ (24 Hrs.) : 80, CO : 4 (mg/m³)

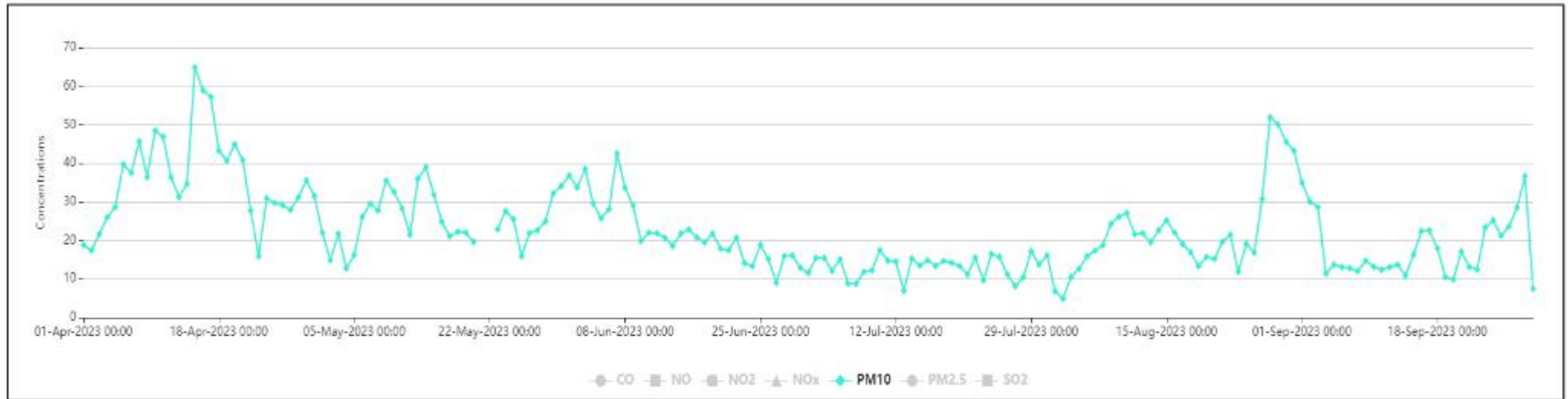
Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

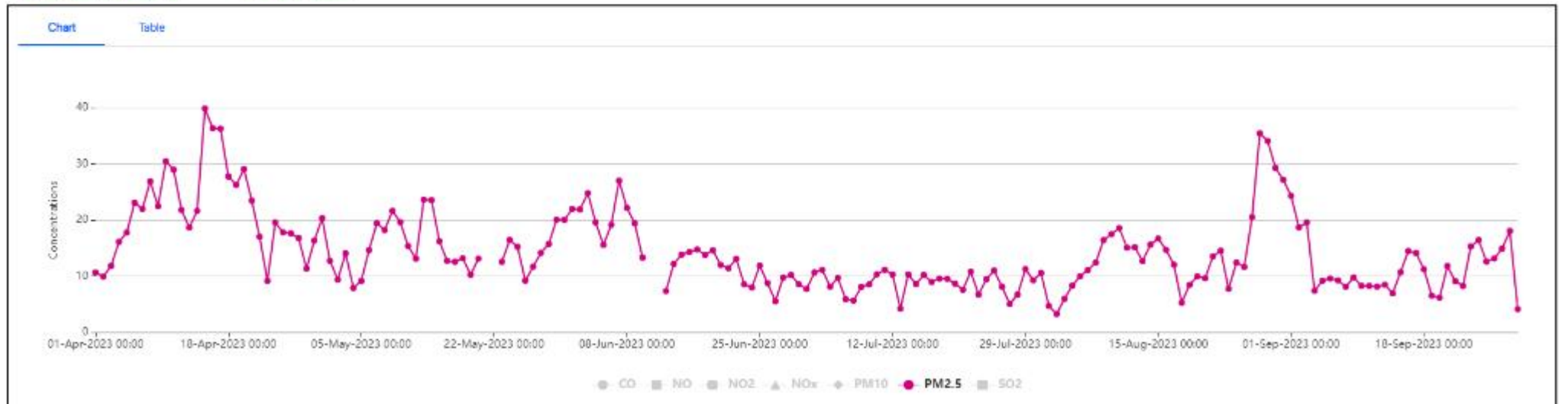
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CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Kalyanpur Village
Parameters : PM 10



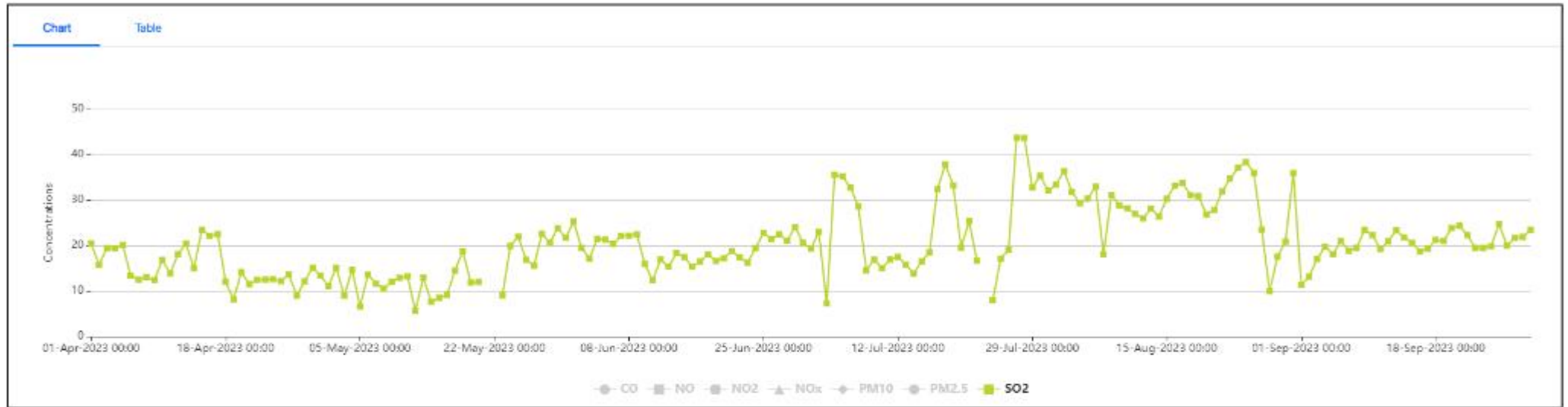
Location : Kalyanpur Village
Parameters : PM 2.5



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

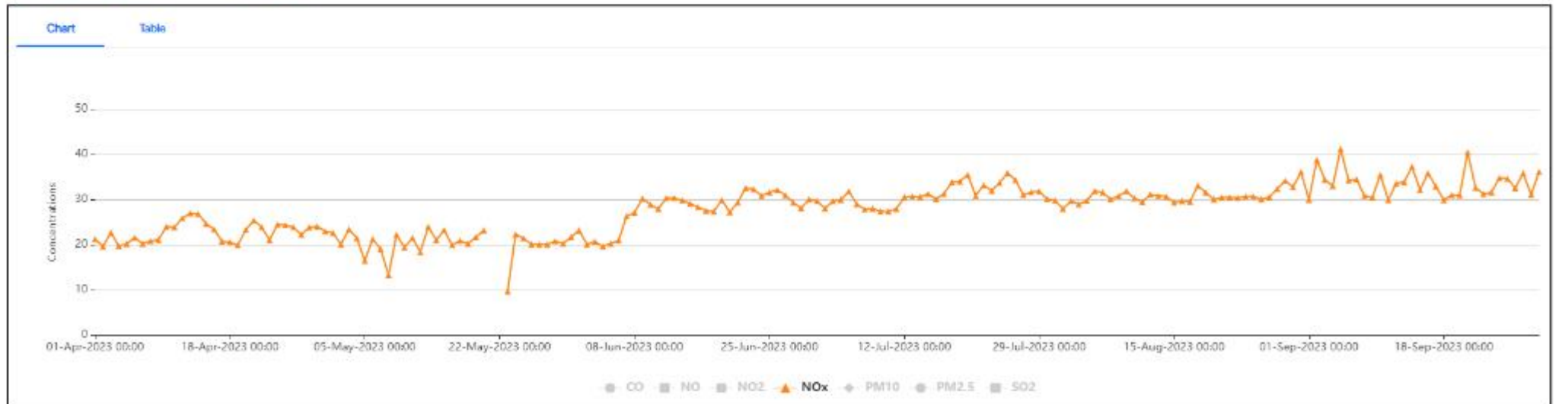
Location : Kalyanpur Village

Parameters : SO₂



Location : Kalyanpur Village

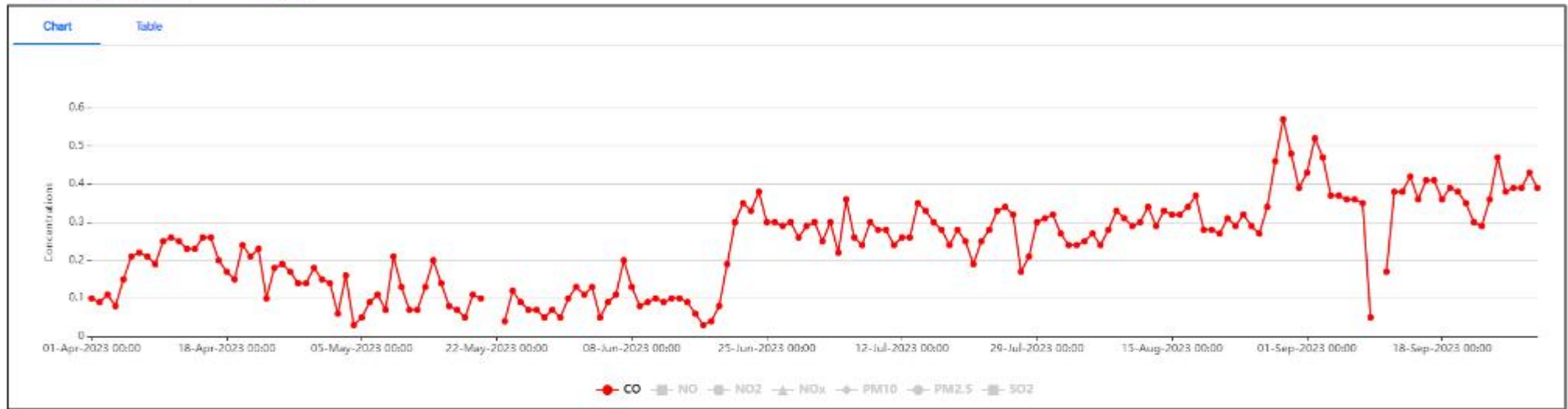
Parameters : NO_x



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

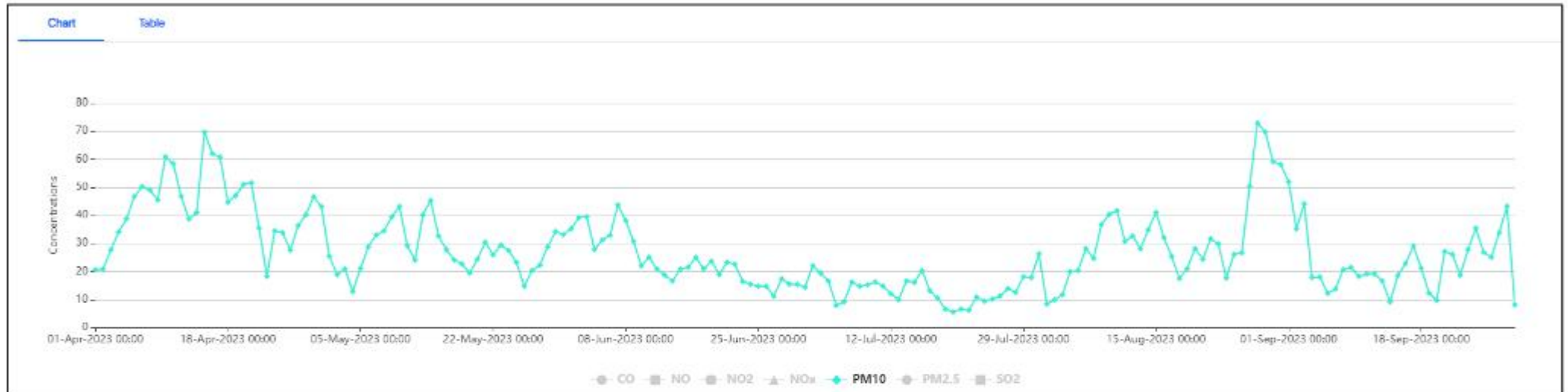
Location : Kalyanpur Village

Parameters : CO

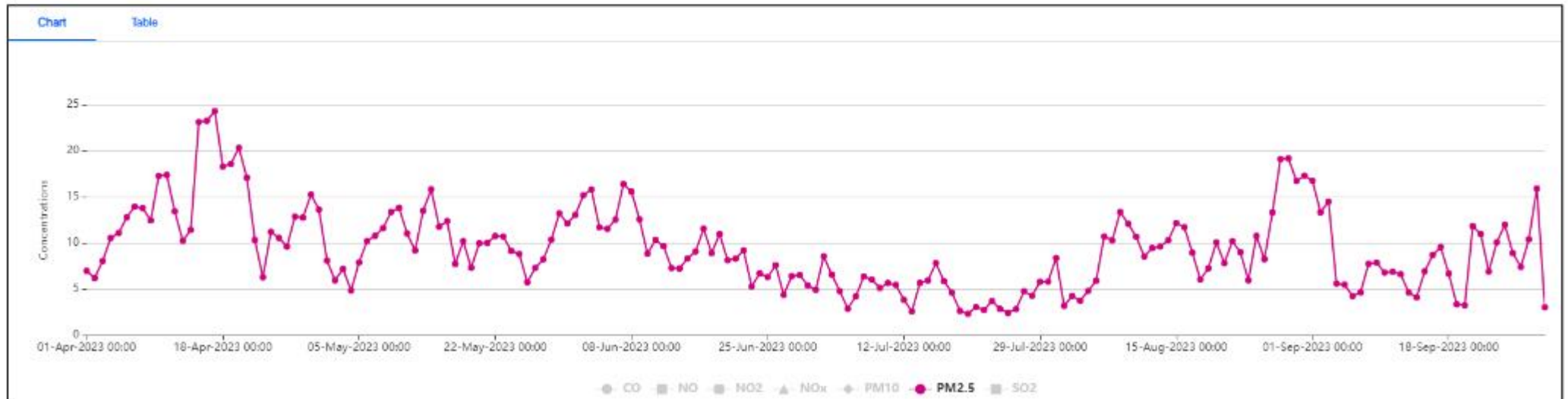


CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Panchrulia Station
Parameters : PM 10



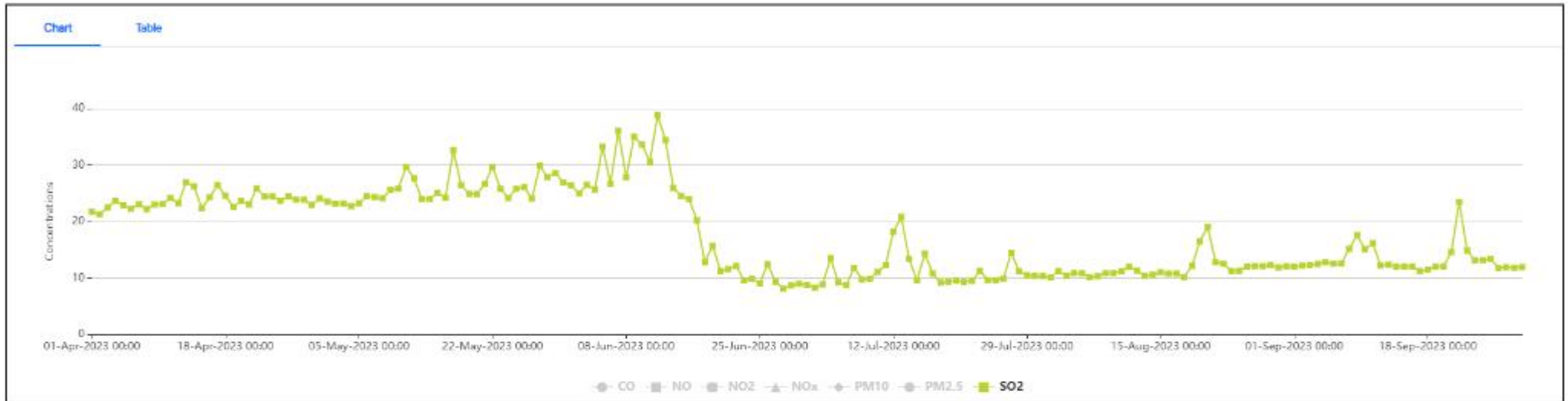
Location : Panchrulia Station
Parameters : PM 2.5



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

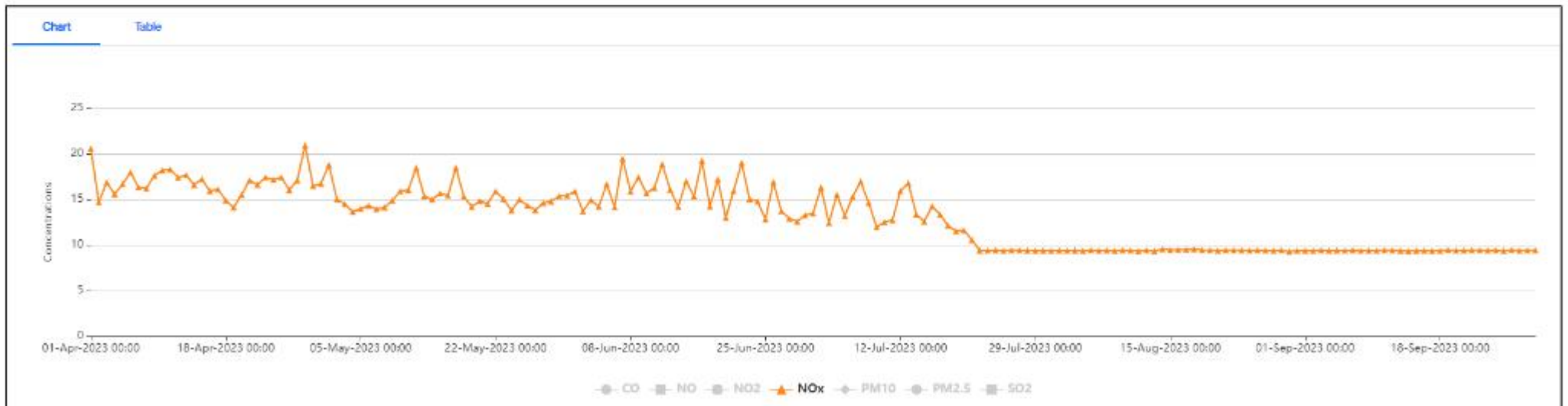
Location : Panchrulia Station

Parameters : SO₂



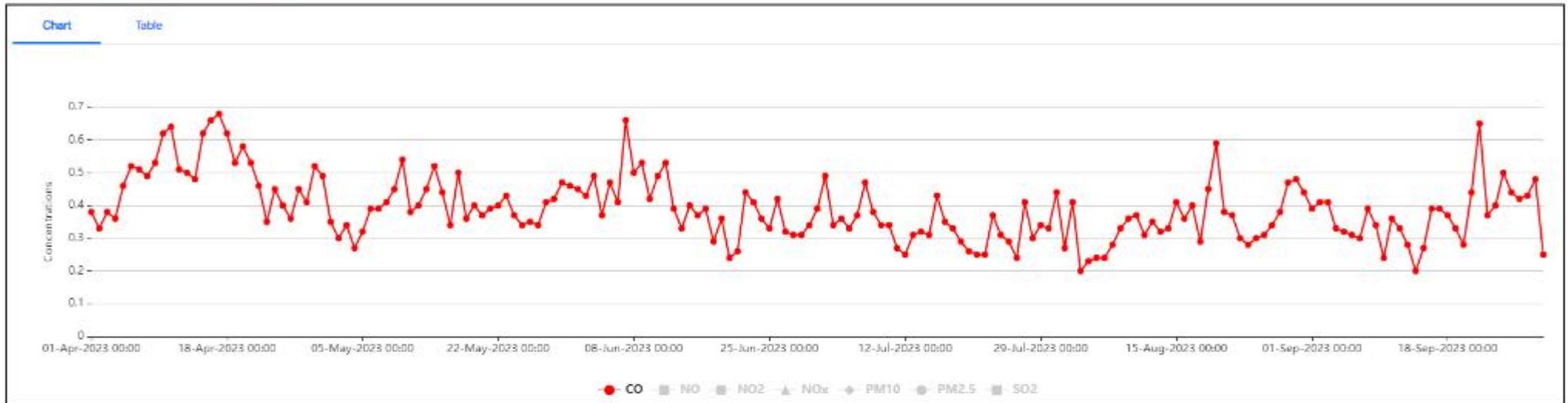
Location : Panchrulia Station

Parameters : NO_x



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Panchrulia Station
Parameters : CO



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

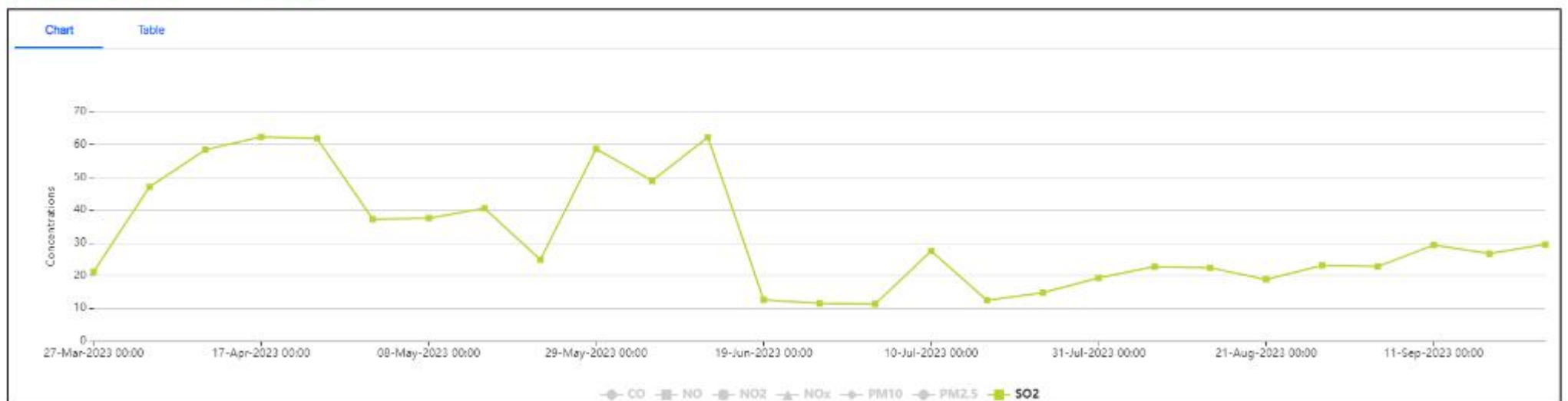
Location : Barkola Station

Parameters : PM 2.5



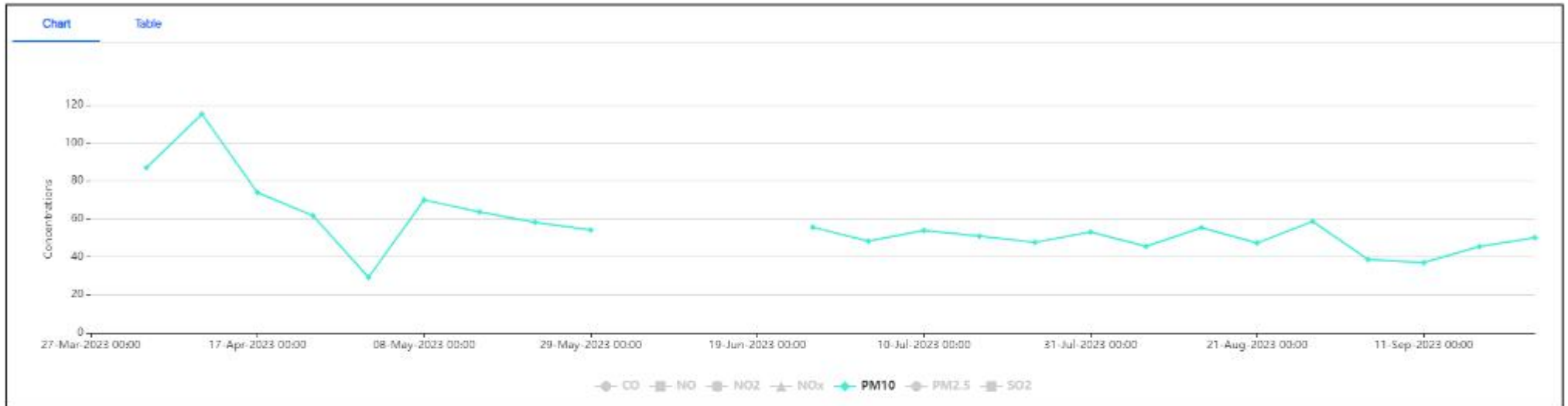
Location : Barkola Station

Parameters : SO2

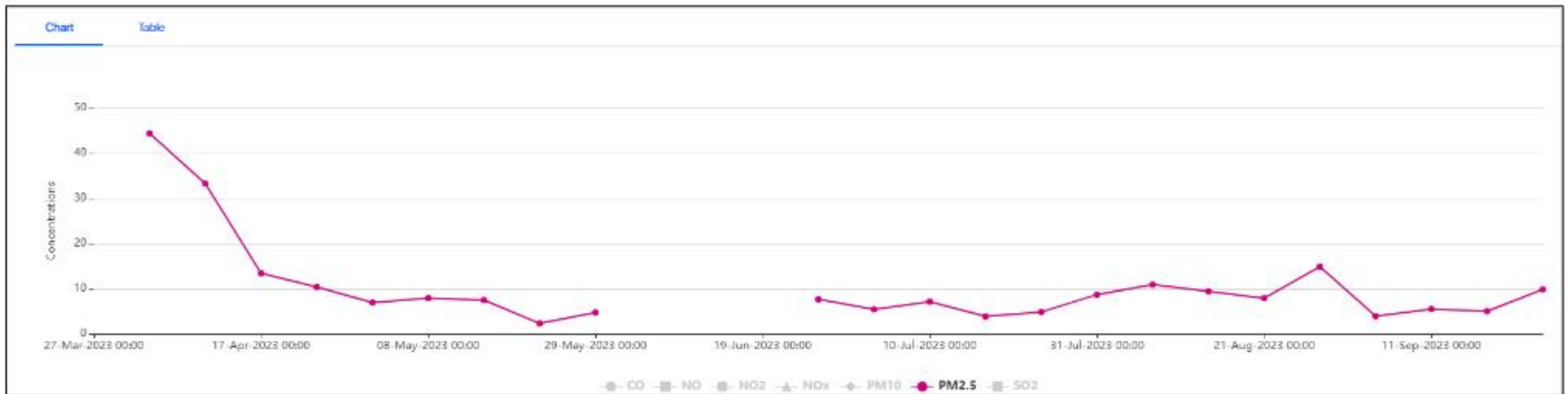


CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Rajogram Station
Parameters : PM10



Location : Rajogram Station
Parameters : PM2.5

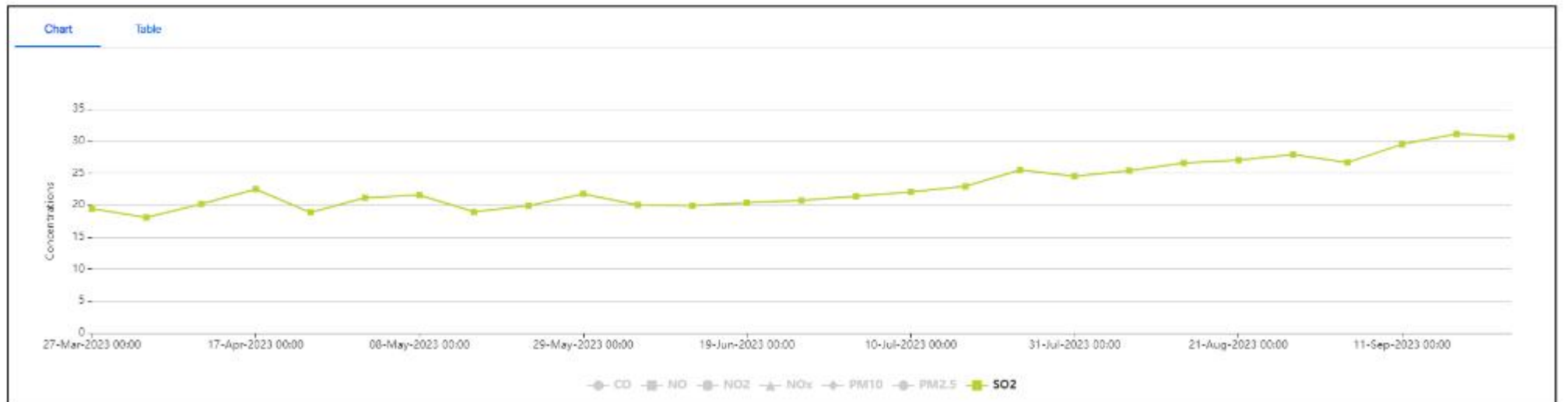


CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Rajogram Station
Parameters : CO



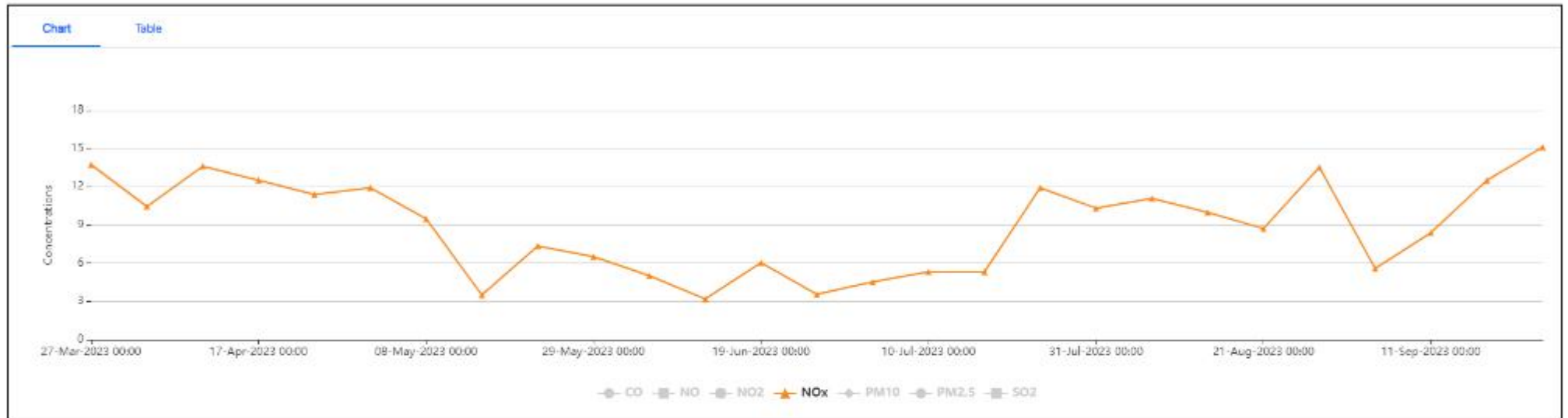
Location : Rajogram Station
Parameters : SO2



CAAQMS DATA (APRIL 2023 to SEPTEMBER 2023)

Location : Rajogram Station

Parameters : NOx





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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com

SLAG ANALYSIS REPORT

FORMAT NO. : GV/LAB/FM/335

Sample is drawn by M/s. Greenvision

Sample submitted and identified by customer as : Nil

U.L.R. No. : TC1100323000000429F

Report No. : GV/SS/23-24/018

Laboratory Ref. No. : SS-010-2023

Issued to : M/s. Orissa Metaliks Pvt. Ltd.

Report Date : 29.09.2023

Address : Mouza : Mathurakismat, Gokulpur, Kharagpur,
Dist. : Paschim Medinipur, Pin : 721301, W.B.

Date of Sampling : 17.09.2023

Sample Description : Slag Sample

Sample Received on : 18.09.2023

Location : Slag Dumping Yard

Analysis Started on : 19.09.2023

Sample Condition : In Plastic Pouch

Analysis Completed on : 22.09.2023

Type of Sample : SMS Slag

Time of Sampling : 03:50 pm

Sl. No.	Parameters	Test Method	Unit	Results	Limit as per EPA CHAPTER-7
01	Cadmium as Cd	EPA 200.8	mg/l	BDL (DL: 0.1 µg/l)	1.0
02	Mercury as Hg	EPA 200.8	mg/l	BDL (DL: 0.1 µg/l)	0.2
03	Total Chromium as Cr	EPA 200.8	mg/l	0.76	5.0
04	Arsenic as As	EPA 200.8	mg/l	BDL (DL: 0.1 µg/l)	5.0
05	Barium as Ba	EPA 200.8	mg/l	2.46	100.0
06	Lead as Pb	EPA 200.8	mg/l	0.17	5.0
07	Selenium as Se	EPA 200.8	mg/l	BDL (DL: 0.1 µg/l)	1.0
08	Silver as Ag	EPA 200.8	mg/l	BDL (DL: 0.1 µg/l)	5.0

*TCLP extraction has been done & the extract analyzed for the above parameters

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TC-11003

TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by	: M/s. Greenvision	U.L.R. No. :	TC1100323000000425F
Report No.	: GV/NL/23-24/063	Sample Ref. ID	: NLM-055-2023(1)
Name of Customer	: M/s. Orissa Metaliks Pvt. Ltd.	Report Date	: 29.09.2023
Address of Customer	: Mouza : Mathurakismat, Gokulpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301, W.B.	Date of Sampling	: 16.09.2023 & 17.09.2023
Sample Description	: Noise Level	Total Time	: 1 Hr.
Sampling Location	: Near Plant Main Gate	Sampling Method	: IS : 9989 :1981
Noise Level Limit	: Day Time : 75 dB(A); Night Time : 70 dB(A) { Source : The Noise Pollution (Regulation and Control) Rules, 2000}		
Monitoring Details	: Distance from Object : 3.0 Mtr. Height from the Ground : 1.5 Mtr.		
Category of Area	: Industrial Area		

Noise Level dB (A)					
Day Time (06:00Hrs to 22:00 Hrs.)			Night Time (22:00 Hrs. to 06:00 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
64.5	58.3	62.7	55.4	50.8	52.4

Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager

(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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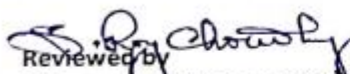
TC-11003

TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1100323000000426F
Report No. : GV/NL/23-24/064 Sample Ref. ID : NLM-055-2023(2)
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. Report Date : 29.09.2023
Address of Customer : Mouza : Mathurakismat, Gokulpur, Kharagpur, Date of Sampling : 16.09.2023 & 17.09.2023
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Noise Level Total Time : 1 Hr.
Sampling Location : Amba Village Sampling Method : IS : 9989 :1981
Noise Level Limit : Day Time : 55 dB(A), Night Time : 45 dB(A)
{ Source : The Noise Pollution (Regulation and Control) Rules, 2000}
Monitoring Details : Distance from Object : 3.0 Mtr.
Height from the Ground : 1.5 Mtr.
Category of Area : Residential Area

Noise Level dB (A)					
Day Time (06:00Hrs to 22:00 Hrs.)			Night Time (22:00 Hrs. to 06:00 Hrs.)		
Max.	Min.	Leq.	Max.	Min.	Leq.
63.2	55.4	59.7	52.2	48.4	49.9


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



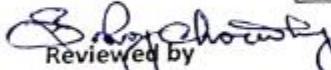
TC-11003


TEST REPORT OF NOISE LEVEL MONITORING

FORMAT NO. : GV/LAB/FM/33N

Sample is drawn by : M/s. Greenvision U.L.R. No. : TC1100323000000427F
Report No. : GV/NL/23-24/065 Sample Ref. ID : NLM-055-2023(3)
Name of Customer : M/s. Orissa Metaliks Pvt. Ltd. Report Date : 29.09.2023
Address of Customer : Mouza : Mathurakismat, Gokulpur, Kharagpur, Date of Sampling : 16.09.2023 & 17.09.2023
Dist. : Paschim Medinipur, Pin : 721301, W.B.
Sample Description : Noise Level Total Time : 24 Hrs.
Sampling Location : Near SMS Area Sampling Method : IS : 9989 :1981

Time	Lmax dB (A)	Lmin dB (A)	Leq dB (A)
09:55 hrs. to 10:55 hrs.	62.4	56.2	60.5
10:55 hrs. to 11:55 hrs.	64.0	58.3	62.4
11:55 hrs. to 12:55 hrs.	61.7	56.1	59.8
12:55 hrs. to 13:55 hrs.	60.6	53.0	57.5
13:55 hrs. to 14:55 hrs.	65.7	60.3	64.2
14:55 hrs. to 15:55 hrs.	64.5	59.8	63.4
15:55 hrs. to 16:55 hrs.	66.4	59.7	63.8
16:55 hrs. to 17:55 hrs.	65.2	58.0	61.7
17:55 hrs. to 18:55 hrs.	63.0	56.2	60.3
18:55 hrs. to 19:55 hrs.	60.6	53.8	57.8
19:55 hrs. to 20:55 hrs.	58.7	52.4	56.1
20:55 hrs. to 21:55 hrs.	57.2	51.9	55.2
21:55 hrs. to 22:55 hrs.	63.4	57.9	61.9
22:55 hrs. to 23:55 hrs.	62.5	56.0	60.1
23:55 hrs. to 00:55 hrs.	67.5	62.0	65.0
00:55 hrs. to 01:55 hrs.	62.8	54.5	59.8
01:55 hrs. to 02:55 hrs.	67.4	59.6	64.2
02:55 hrs. to 03:55 hrs.	66.0	60.2	64.4
03:55 hrs. to 04:55 hrs.	65.2	59.0	63.3
04:55 hrs. to 05:55 hrs.	66.6	60.4	64.3
05:55 hrs. to 06:55 hrs.	67.4	59.6	64.2
06:55 hrs. to 07:55 hrs.	64.2	57.2	61.7
07:55 hrs. to 08:55 hrs.	61.3	54.5	58.6
08:55 hrs. to 09:55 hrs.	65.6	59.8	64.0


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

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FORM NO.17(A)

Record of Eye Examination

SL NO.	DEPARTMENT/WORK	NAME OF WORKER	SEX	AGE(on last birthday)	OCCUPATION		EXAMINATION OF EYE SIGHT		SIGNATURE OF OPHTHALMOLOGIST	REMARKS
					Nature	Date of Employment	Date	Result		
31	MECHANICAL	GOPAL SAHU	M	29	FITTER	19-02-22	01-10-23	0/b		ok
32	MECHANICAL	SANDEEP YADAB	M	26	ASST.ENGINEER	02-11-21	01-10-23	0/b		ok
33	MECHANICAL	ANUJ KUMAR	M	26	ENGINEER	06-01-22	01-10-23	0/b		ok
34	OPERATION	ANUKANT RAY	M	30	PULLPIT OPERATOR	13-03-22	01-10-23	0/b		ok
35	OPERATION	ABHISEK JANA	M	24	ASST.ENGINEER	16-12-21	01-10-23	0/b		ok
36	OPERATION	SANLAP BANERJEE	M	23	ENGINEER	23-06-23	01-10-23	0/b		ok
37	OPERATOR	YOGENDRA PRASAD	M	38	INTER	21-11-20	01-10-23	0/b		ok
38	WORKSHOP	PRAMOD KR. SINGH	M	47	INTER	06-06-23	01-10-23	No		ok
39	PROCESS	BANARSI SHARMA	M	37	INCHARGE	29-05-21	01-10-23	0/b		ok

[Prescribed under Rules 63 & 94 of The West Bengal Factories Rules, 1958]

as amended vide Notification No. 1183-LW-IR-491 dated 27th Nov, 1991

- 1. Serial No. in the Register of adult worker: *EMPL-2*
- 2. Name of worker: *Devendra Kumar Jais*
- 3. Sex: *Male* 4. Date of Birth: *23-10-1926*

Department/ work	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	Raw materials, products or by products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical
								Signs and symptoms observed during examination
1	2	3	4	5	6	7	8	9
<i>Shift change</i>					<i>15-7-23</i>			
<i>CC m/s</i>								

examination and the results thereof		if declared unfit for work				Signature with date of the Factory Medical Officer / the Certifying Surgeon
Nature of tests & results thereof	Result F/U/D/I	Period of Temporary with-drawal from that work	Reasons for such with-drawal	Date of declaring fit to work for that work	Date of issuing Fitness Certificate	
10	11	12	13	14	15	16
<i>Wt. 60 kg, Ht. 5'6"</i>	<i>FAT.</i>					<i>[Signature]</i> DR. DEBASUJIT BANERJEE MBBS, FRCGS, SCD(SAFETY) Reg. No. 130 (WBMC) (Factory Medical Officer)
<i>BP-116/76, PR-74</i>						
<i>Acid no. BMT-2135</i>						
<i>Blood group A + VB</i>						

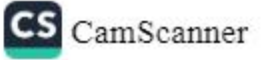
Notes - 1. Separate page should be maintained for individual worker.
2. Fresh entry should be made for each examination.

1. Serial No. in the Register of adult worker: 7MP2-3
 2. Name of worker: Soumitra Choudhuri
 3. Sex: Male 4. Date of Birth: 05-6-1982

Department/ work	Name of hazardous process	Dangerous process/ operation	Nature of job or occupation	How materials, products or by-products likely to be exposed to	Date of posting	Date of leaving/ transfer to other work	Reason for discharge/ transfer to other work	Medical	
								Signs and symptoms observed during examination	9
<u>Asst. Manager</u>					<u>7.8.23</u>				
<u>Commercial</u>									

Examination and the results thereof		If declared unfit for work				Signature with date of the Factory Medical Officer / the Certifying Surgeon
10 Nature of tests & results thereof	11 Result (Fit/Unfit)	12 Period of Temporary withdrawal from that work	13 Reasons for such withdrawal	14 Date of declaring unfit for that work	15 Date of issuing Fitness Certificate	
<u>WBF 6.8.85 Ht. 5'2"</u>	<u>Fit.</u>					<p><u>DR. DEBASISH DEY SARKAR</u> MBBS, FCCE (SINGAPORE) Post No. 116 (WBMC) Govt. Medical Officer</p>
<u>BP 140/95, PR-82</u>						
<u>Amenia. nil, BMI-22.79</u> <u>Blood glucose - B+V.D.</u>						

1. Separate page should be maintained for individual worker
 2. Fresh entry should be made for each examination





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Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2543019, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF WATER ANALYSIS

FORMAT NO. : GV/LAB/FM/33W

Sample is drawn by	: Mr. Uttam Kr. Sil, Field Sampler	Laboratory Ref. No.	: DS-006-2023
Sample identification	: Nil	Report Date	: 29.09.2023
Report No.	: GV/DW/OMP/23-24/002	Date of Sampling	: 17.09.2023
Issued To	: M/s. Orissa Metaliks Pvt. Ltd.		
Address	: Mouza : Mathurakismat, Gokulpur, Kharagpur, Dist. : Paschim Medinipur, Pin : 721301, W.B.		
Sample Condition	: In Glass Bottle & Plastic Bottle	Sample Received on	: 18.09.2023
Sample Description	: Drinking Water	Analysis Started on	: 19.09.2023
Sampling Method	: APHA 24 th EDITION, 1060	Analysis Completed	: 25.09.2023
Location	: Tap Near SMS Plant	Time of Sampling	: 03:30 pm

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed [APHA 24 th EDITION]
				Acceptable Limit	Permissible limit in the absence of alternate source	
1.	pH (at 25°C)	-	7.17	6.5 to 8.5	No Relaxation	4500-H ⁺ B
2.	Colour	Hazen	1.0	5.0	15.0	2120 B
3.	Odour	-	Agreeable	Agreeable	Agreeable	2150 B
4.	Taste	-	Agreeable	Agreeable	Agreeable	2160 A
5.	Turbidity	N.T.U.	0.47	1	5	2130 B
6.	Conductivity	µS/cm	409.0	-	-	2510 B
7.	Total Dissolved Solid (TDS)	mg/L	294.0	500	2000	2540 C
8.	Total Hardness as CaCO ₃	mg/L	160.0	200	600	2340 C
9.	Chloride as Cl	mg/L	13.5	250	1000	4500Cl ⁻ B
10.	Total Alkalinity as CaCO ₃	mg/L	103.0	200	600	2320 B
11.	Sulfate as SO ₄	mg/L	22.03	200	400	4500 SO ₄ ²⁻ E
12.	Nitrate as NO ₃ ⁻	mg/L	3.8	45.0	No Relaxation	4500 NO ₃ ⁻



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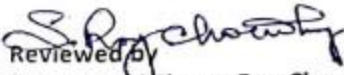
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13.	Fluoride as F	mg/L	< 0.2	1	1.5	4500 FD
14.	Calcium as Ca	mg/L	33.67	75	200	3500- Ca B
15.	Magnesium as Mg	mg/L	18.47	30	100	3500- Mg B
16.	Iron as Fe	mg/L	< 0.1	0.3	No Relaxation	3500-Fe B
17.	Residual Free Chlorine	mg/L	Nil	0.2	1.0	4500-Cl B
18.	Aluminium as Al	mg/L	< 0.01	0.03	0.2	3500-Al B
19.	Total Chromium as Cr	mg/L	< 0.01	0.05	No Relaxation	3500-Cr C
20.	Copper as Cu	mg/L	< 0.01	0.05	1.5	3500-Cu B
21.	Lead as Pb	mg/L	< 0.001	0.01	No Relaxation	3500-Pb B
22.	Cyanide as Cn	mg/L	< 0.01	0.05	No Relaxation	4500-CN C
23.	Nickel as Ni	mg/L	< 0.01	0.02	No Relaxation	3500-Ni
24.	Cadmium as Cd	mg/L	< 0.001	0.003	No Relaxation	3500-Cd
25.	Arsenic as As	mg/L	< 0.001	0.01	0.05	3500-As B
26.	Zinc as Zn	mg/L	< 1.0	5.0	15.0	3500-Zn B
27.	Mercury as Hg	mg/L	< 0.001	0.001	No Relaxation	3500-Hg
28.	Total Coliform / 100ml.	MPN/100ml	Absent	Absent	Absent	9221 B
29.	E. Coli / 100ml	MPN/100ml	Absent	Absent	Absent	9221 F


Reviewed by
(Sabyasachi Shyam Roy Chowdhury)
Quality Manager


(Sabyasachi Shyam Roy Chowdhury)
Quality Manager
Authorised Signatory
For, GREEN VISION

- Note: 1. This report refers to the values obtained at the time of testing and results related to the items tested.
2. This certificate may not be reproduced in part or full without written permission of the management.
3. Retention period of tested sample is 1 month from the date of issue test report unless otherwise specified.