

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

Proposal No	IA/WB/IND/260820/2007
Compliance ID	128725740
Compliance Number(For Tracking)	EC/M/COMPLIANCE/128725740/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	31-05-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	WEST BENGAL
RO/SRO Office Address	Integrated Regional Offices, Kolkata

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, WEST BENGAL with Notification to Project Proponent.

Ref: NML-DGP/ENV/24/061

Date- 31/05/2025

To,

The Deputy Director General of Forests(C),
Ministry of Env. Forest and Climate Change,
Integrated Regional Office, Kolkata,
IB-198, Sector-III, Salt Lake City,
Kolkata- 700106.

Sub: Six Monthly Compliance Report (Oct'2024 to March'2025) of Neo Metaliks Ltd., Durgapur- 713212, West Bengal.

Ref: Environment Clearance No. J-11011/779/2007-IA II (I) dated 02.06.2022.

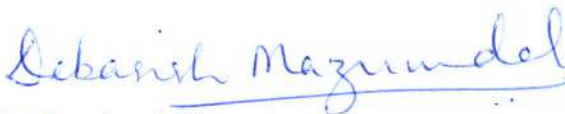
Dear Sir,

This is reference to the subject cited above; we are enclosing herewith six-monthly compliance report (Oct'24 to March'24) of the above referred environmental clearance conditions along with the external agency monitoring reports.

This is for your kind information.

Yours faithfully,

For Neo Metaliks Ltd.



Authorized Signatory



Encl: As above

Cc:

1. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhawan, Bldg. No. 10A, Block-LA, Sector-III, Bidhannagar, Kolkata-700106
2. The Environment Engineer (In-Charge), West Bengal Pollution Control Board, (Government of West Bengal), City Centre, Durgapur- 713216.

Name of the Project: Expansion and Upgradation of Pig Iron Manufacturing Plant to 0.4 MTPA Capacity and Inclusion of SMS, Neo Metaliks Ltd., Gopalpur, Durgapur.

Environmental Clearance File No. J-11011/779/2007-IA.II (I) **dated** 02.06.2022

Period of Compliance Report: Oct'2024 to March'2025

Sr. no.	A. Specific Conditions	Compliance Status
A (i)	As submitted by PP, a pond (7157 m ²) is present within the project site, which will be used as a rainwater reservoir. PP shall monitored and submit the Report to the IRO, MoEFCC in this regard.	Complied Analysis of Water reservoir done on yearly basis. The Analysis report of sample collected from Rainwater reservoir has been Submitted along with previous Half yearly compliance for the duration April,24-September'24.
A (ii)	Three tier Green Belt shall be developed in 36% of total project area by end of monsoon, 2022 with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. In addition to this, PP shall be undertaken plantation (total plants 5000 nos.) in the surrounding villages. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concern Regional Office of the MoEF&CC.	Being Complied 1. Green belt development is our ongoing activity. Extensive tree plantation is carried out every year in all open spaces available in and around the plant premises. 2. A total of 30,323 nos. of saplings have been planted with native species covering 34.7% of the area. 3. Also, till 31st March 2025, 5000 Nos of saplings were planted in surrounding villages. Photographs are attached as Annexure-1 4. The survival rate of green belt developed is being monitored on a periodic basis and damaged plants are being replaced with new plants. Photographs of the existing plantation are annexed as Annexure-2.
A (iii)	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Being Complied Greenery has been developed along the roadside and in open unused areas. Some snapshots are enclosed as Annexure- 3. Plant internal roads, vehicle movement areas and workplaces are developed with concreted/paved and landscaping for horticulture development is being carried out.
A (iv)	PP shall install three Continuous Ambient Air Quality Monitoring Station (CAAQMS) as one in upstream, one in the down-stream and one at the cross-wind direction by end of July, 2022.	Complied Three Continuous Ambient Air Quality Monitoring Station (CAAQMS) has been installed in upstream, down-stream and cross-wind direction. Photographs of the CAAQMS are attached as Annexure-4
A (v)	PP shall provide RO plant as tertiary treatment facility to ensure reuse of treated wastewater to an extent of 700 KL.	Being Complied At present, treated wastewater is being reused inside the plant. RO plant as tertiary treatment facility will be installed post commissioning of STP & ETP.

Sr. no.	A. Specific Conditions	Compliance Status
		For Primary & Secondary treatment plant, work is under progress.
A (vi)	12 numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere. PP shall do plantation work in the surrounding villages also.	Being Complied Fog/Mist water cannons have been procured, installed & operated at 7 different locations, namely 1. Near Weigh Bridge, 2. Near Pig Yard, 3. Near Raw Material Storage Yard/Head ESP stack, 4. Near Sinter Ground Hopper, 5. Near Sinter Plant Crusher House, 6. Near Tail ESP Stack, 7. Near RMHS Day Bin Building. Balance 05 nos. of truck mounted Fog/Mist water cannons are going to be ordered in a phase-wise manner. Operation of these 07 no. of Fog/Mist water cannons is being ensured regularly inside the project premises. Plantation work- 5000 nos. of saplings have been planted in the surrounding villages, local schools, village football grounds etc. Photographs are attached as Annexure-1.
A (vii)	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Being Complied Following additional arrangements have been provided to control fugitive dust. a. Mist Spray Dust Suppression Systems have been installed & are being operated at RMHS area & MBF area. Total mist spray nozzles of 417 nos & 464 nos are being installed at RMHS & MBF area. b. Water sprinkling system (fixed and mobile type) has been provided at raw material handling yard, unloading point and other vulnerable points. Along with water fog cannon has been installed and operated at raw material handling sections. c. All the raw Materials like Iron ore lump & fines, flux and coke & coke Fines are kept covered with Tarpaulin. All the Vehicles entering Plant-site are regularly checked for PUC compliance certificates (exhaust emission) and vehicles with valid PUC certificate are only allowed inside the Plant.

Sr. no.	A. Specific Conditions	Compliance Status
		d. At present, our entry and exit gate is common. So, provision for one Wheel washing mechanism with complete recirculation system has been proposed near main gate.
A (viii)	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.	Noted and being complied.
A (ix)	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	Performance tests are being conducted on existing pollution control systems and report is enclosed as Annexure-6 .
A (x)	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ .	Complied. Particulate matter emission from stacks less than 30 mg/Nm ³ is achieved. Reports are enclosed as Annexure-8 .
A (xi)	Blast Furnace shall be equipped with dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	Complied Blast Furnace is equipped with dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility has been constructed.
A (xii)	Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant.	Complied Dioxins and furans report has been annexed as Annexure-7 .
A (xiii)	85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or BF gas as a fuel.	Noted This shall be complied with the installation of rolling mill, RHF within plant premises.

Sr. no.	B. General Conditions	Compliance Status
B. I	Statutory Compliance	
B. I (i)	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Adhered to the stipulations.
B. II	Air Quality Monitoring & Preservation	
B.II (i)	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as three Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Being complied 1. To monitor stack emission, 24x7 continuous emission monitoring system (CEMS) have been installed at process stacks like Sinter Plant, Blast Furnace Stove & Captive Power Plant and real time online data is being transmitted to SPCB & CPCB Server. 2. The CEMS online analyzers are calibrated regularly from time to time. 3. Moreover, Stack emission monitoring is also being carried out by NABL accredited laboratory on a bi-monthly basis. The monitoring report is enclosed as Annexure-8. 4. Three numbers of Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters have been installed. 5. Data of ambient air quality is being submitted regularly through Half-yearly compliance report. The monitoring reports for the duration Oct'24 to March'25 are enclosed as Annexure -5.
B.II (ii)	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied Fugitive emissions are being regularly monitored in the plant premises (at work environment) by NABL accredited laboratory on a bi-monthly basis. The test report is enclosed as Annexure-9 .

Sr. no.	B. General Conditions	Compliance Status
B.II (iii)	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Complied 1. Appropriate Air Pollution Control (APC) system has been provided at the Sinter Plant (SP) & MBF cast house. Exhaust gases from SP head-end and tail-end are cleaned through ESPs to get stack emission under prescribed standard. Blast Furnace gas is cleaned through Gas Cleaning Plant comprises of dust catcher, saturator, and venturi scrubbers to control emission. Installation of Dry Gas Cleaning Plant with fume exhaust system is under establishment phase and is being taken care of during MBF upgradation project. 2. Plant de-dusting system i.e., collection of fugitive emissions through suction hood & duct line and subsequent treatment through bag filters are provided to control fugitive dust. 3. Further, Specific measures like Fixed Water Sprinklers, Water Fog Cannon, Mist Spray Dust Suppression System etc. provided in Ground Hopper, Raw Material handling area, Cast House Area, Truck Tippler etc. Mobile Water Tanker deployed inside & outside plant premises for water sprinkling on internal & external roads respectively. 4. All the conveyors and transfer points have been enclosed to reduce secondary fugitive emission. 5. Plant internal roads, vehicle movement areas and workplaces are developed as either concreted or paved and cleaned at regular intervals. The cleaned process dust particles are being collected and re-used in the Sinter process plant. All the raw materials like Iron ore lump & fines, flux and coke, coke fines are kept covered with Tarpaulin. 6. All the Vehicles enter plant-site are regularly checked for PUC compliance certificates (exhaust emission) and vehicles with valid PUC certificate is only allowed inside the Plant. Stack emissions & Fugitive emissions are being regularly monitored at all process stacks & work environment respectively by NABL accredited laboratory on bi-monthly basis. Testing reports are enclosed as

Sr. no.	B. General Conditions	Compliance Status
		Annexure-8 & Annexure-9 respectively.
B.II (iv)	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Being Complied Inspection of filter bags & replacement of damaged bags is being carried out at regular intervals. Auto-purging system for bag cleaning facilities have been provided.
B.II (v)	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.	Complied Iron ore fines, coke fines and flue dust collected from the pollution control devices are recycled back and reused in Sinter Plant.
B.II (vi)	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Covered transportation of raw materials like Iron ore lump & fines, flux and coke & coke fines are being ensured.
B.II (vii)	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Complied Primary and secondary fume extraction system has been installed at Mini Blast furnace.
B.II (viii)	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Complied Tunnels or oil cellars are not applicable for our site. However, Monitoring of ventilation system for adequate air changes is being carried out through an authorized agency approved by Directorate of Factories & Boilers. Monitoring Report has been enclosed as Annexure-10 .
B. III	Water quality monitoring and preservation	

Sr. no.	B. General Conditions	Compliance Status
B.III (i)	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Being complied At present, domestic effluent is treated in septic tanks and soaks pits. Canteen waste is treated in an Oil water separator and then used for plantation. The effluent water is being monitored regularly through NABL accredited laboratory and the reports are enclosed as Annexure-11.
B.III (ii)	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground Water Quality is being regularly monitored in the plant by NABL accredited laboratory. The Post-monsoon Testing report is enclosed as Annexure-12 .
B.III (iii)	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Being Complied
B.III (iv)	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31 st March 2012 (applicable to IF/EAF) as amended from time to time.	Noted and Being Complied. Rolling mills are not yet established. The ETP will be provided for effluents of rolling mills prior to commissioning of rolling mill to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
B.III (v)	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Complied Garland drains and collection pits are provided to arrest the run-off water in the event of heavy rains and to check the water pollution due to surface run off.
B.III (vi)	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	Being Complied At present, our entry and exit gate is common. So, provision for one Wheel washing mechanism with complete recirculation system has been proposed near main gate.

Sr. no.	B. General Conditions	Compliance Status
B. IV	Noise monitoring and prevention	
B.IV (i)	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied The noise quality is being monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 by NABL accredited laboratory on bi-monthly basis. The monitoring reports are enclosed as Annexure- 13 .
B. V	Energy Conservation measures	
B.V (i)	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	Complied and progressive Roof Top Solar Photovoltaic (SPV) Power System of 10 KWp capacity has been installed at roof-top of New Admin Building. In addition to this, old halogen/mercury lights are being replaced with LED lights progressively at various locations in phase-wise manner. In new plant we have installed all LED lights.
B. VI	Waste Management	
B.VI (i)	Used refractories shall be recycled.	Noted and Being Complied During the period of Oct'24 to March'25, no Broken refractories mass generated.
B.VI (ii)	Kitchen waste shall be composted or converted to biogas for further use.	Complied Kitchen Waste composting machine is installed near canteen. The bio-compost is utilized in gardening, vegetation, and plantation activities. A total of 450 Kg compost has been generated from 742 Kg of canteen waste & utilized as manure during the period Oct'24 to March'25.
B. VII.	Green Belt	
B.VII (i)	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same	Being Complied

Sr. no.	B. General Conditions	Compliance Status
	including carbon sequestration including plantation.	The study on GHG emissions inventory including carbon sequestration with respect to project expansion phase, has been carried out & submitted through last half yearly compliance report for the period Apr'23-Sept'23. We have installed VFD with high rated motors in our plant to conserve the Energy which resulted in reduction of Approximately 10% energy consumption.
B.VII (ii)	Project proponent shall submit a study report on De-carbonization program, which essentially consists of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	Being Complied The study on GHG emissions inventory including carbon sequestration with respect to project expansion phase, has been carried out & submitted through last half yearly compliance report for the period Apr'23-Sept'23. We have installed VFD with high rated motors in our plant to conserve the Energy which resulted in reduction of Approximately 10% energy consumption.
B. VIII	Public hearing and Human health issues	
B.VIII (i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied Our existing plant is ISO 45001 & ISO:14001 certified organization. Hence, Emergency preparedness plan is prepared based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan has been implemented. Emergency preparedness & Response Plan has been submitted along with half yearly compliance report for the period Apr'23-Sept'23.
B.VIII (ii)	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Complied The workmen who work in high temperature work zone have been identified and heat stress analysis for these workmen is being carried out separately through authorized agency approved by Directorate of Factories & Boilers. The Report has been enclosed as Annexure-14.

Sr. no.	B. General Conditions	Compliance Status
		Personal Protection Equipment (PPE) like FR suits, Full face helmets, Leg guards, Leather Hand gloves, Nitrile sole safety shoes have been provided to them as per the norms of Factory Act.
B.VIII (iii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Occupational Health Surveillance of the workers is being carried out on a regular basis as mandatory by The Factories Act, 1948 and the records are being maintained. The last Occupational health surveillance of the workers has been conducted in the month of December 2024.
B. IX	Environment Management	
B.IX (i)	The project proponent shall comply with the provision contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt Hattala, Bascopa, Rajbandh, Bandra, Gopalpur, Gosaidanga, Chataldanga, Monarkonda, Rupganja, and Kuldia villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Being Complied As part of Corporate Environment Responsibility (CER) activity, the socio-economic development/ community developmental activities are being carried out by the company. Total of Rs. 31 Lakh has been spent towards CER Activities (community plantation, RO plant, Scholarship, Rain Water Harvesting) in FY 2024-25.
B.IX (ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Complied As our organization is ISO:14001 & 45001 certified, so well-defined Environmental policy is there.

Sr. no.	B. General Conditions	Compliance Status
B.IX (iii)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Complied.
B. IX	Miscellaneous	
B.X (i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied The Environment Clearance letter is advertised in two local newspapers. Viz. The Times of India and The Ei Samay (vernacular daily) on Dt. 08.06.2022. The copy of advertisement has been submitted along with October'23 to March'24 Six monthly Compliance Report.
B.X (ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied The copies of the environmental clearance have been submitted to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government. Received copies of letters has been submitted along with October'23 to March'24 Six monthly Compliance Report.
B.X (iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied The status of compliance of the stipulated environment clearance conditions, including results of monitored data are being uploaded on our website and updated the same on a half-yearly basis.
B.X (iv)	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Complied Environmental data on PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) have been monitored bi-monthly through NABL accredited laboratory and uploaded in company web site through half yearly compliance report and data displayed near main gate of the company.

Sr. no.	B. General Conditions	Compliance Status
B.X (v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being Complied Six-monthly reports on the status of the compliance of the stipulated environmental conditions are being submitted to MoEF&CC / WBPCB and on the website of the ministry of Environment, Forest, and Climate Change at environment clearance portal on regular basis. The last report was submitted on Dt 30.11.2024 for the period April'24 to sept'2024.
B.X (vi)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Being complied The environmental statement for FY 2023-24 has been submitted in Form-V to WBPCB and put on the website of the company.
B.X (vii)	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Complied The date of financial closure for the project is 04.04.2024. The project has been capitalized as on 19.12.2024.
B.X (viii)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted & Compliance assured.
B.X (ix)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted
B.X (x)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
B.X (xi)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted

Sr. no.	B. General Conditions	Compliance Status
B.X (xii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.	Noted
B.X (xiii)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted Full co-operation will be extended.
B.X (xiv)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

Seharish Nazimdel
Signature



Photographs of 5000 Nos of Sapling plantation



Annexure-2

Photographs of the existing plantation and Maintenance activity



Photographs of Greening and Paving



Annexure-4

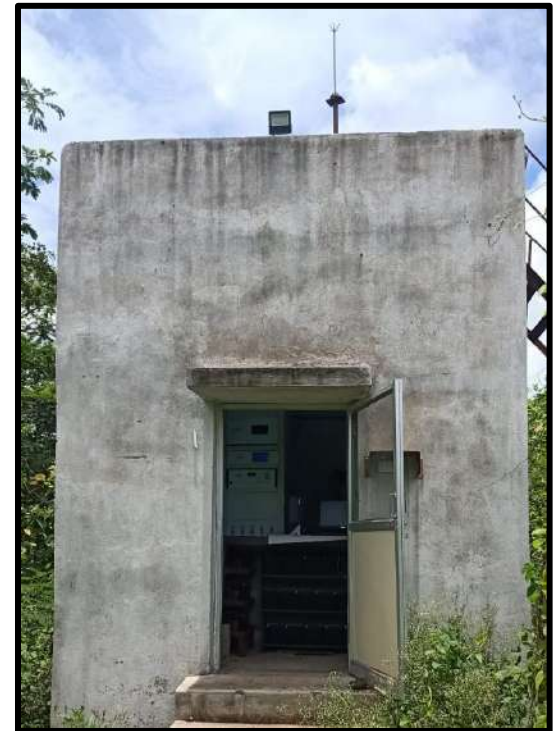
CAAQMS-1: Near Temple



CAAQMS-2: Near Water Reservoir



CAAQMS-3: Near DVC sub-station area.





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

TEST REPORT

Name & Address Of the Customer: M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/500 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/500 Date of Performance(s) : 01.10.2024-09.10.2024 Sample Description : Ambient Air Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location: Near North East Boundary Wall			Date of sampling: 28-29.09.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	83	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	50	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	8.2	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	31.5	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	927	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	25.8	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	31.4	180	Air Sampling , 3 rd Edn -Method-411
8	Lead (Pb) in µg/m ³	0.06	1	EPA IO-3.2 & 5.0
9	Nickel (Ni) in ng/m ³	9.4	20	EPA IO-3.2
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling , 3 rd Edn.Method 402 and APHA 232 nd Edition Part 3114B
11	Benzene (C ₆ H ₆) in µg/m ³	<2.08	5	IS: 5182 (Part- 11)
12	Benzo (a) pyrene in ng/m ³	<0.4	1	IS: 5182 (Part- 12)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Shome

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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

- The results relate only to the item(s) tested.
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- The reserved part of sample(s), except perishable sample(s), shall be retained for 30 days from the date of issue of the Test Report.



TEST REPORT

Name & Address Of the Customer: M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa,Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/501 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/501 Date of Performance(s) : 01.10.2024-09.10.2024 Sample Description : Ambient Air Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location: Near Admin Building			Date of sampling: 28-29.09.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition: Cloudy				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	94	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	52	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	8.0	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	34.4	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	938	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	17.8	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	27.7	180	Air Sampling , 3 rd Edn -Method-411
8	Lead (Pb) in µg/m ³	0.08	1	EPA IO-3.2 & 5.0
9	Nickel (Ni) in ng/m ³	6.5	20	EPA IO-3.2
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling , 3 rd Edn Method 402 and APHA 232 nd Edition Part 3114B
11	Benzene (C ₆ H ₆) in µg/m ³	<2.08	5	IS: 5182 (Part- 11)
12	Benzo (a) pyrene in ng/m ³	<0.4	1	IS: 5182 (Part- 12)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/MR/A/24-25/C/502
M/s. Neo Metaliks Ltd.	Date	: 28.10.2024
Vill : P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/502
P.S. : Kanksa,Durgapur	Date of Performance(s)	: 01.10.2024-09.10.2024
Paschim Bardhaman	Sample Description	: Ambient Air
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated: 01.03.2024

Analysis Result

Location: Near PCM Building			Date of Sampling: 28-29.09.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per: CPCB Guidelines (Volume-1)	
Environmental Condition: Partly Cloudy				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	78	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	41	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.4	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	30.7	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	789	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	17.1	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	24.2	180	Air Sampling , 3 rd Edn -Method-411
8	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
9	Nickel (Ni) in ng/m ³	<4.0	20	EPA IO-3.2
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling , 3 rd Edn.Method 402 and APHA 232 nd Edition Part 3114B
11	Benzene (C ₆ H ₆) in µg/m ³	<2.08	5	IS: 5182 (Part- 11)
12	Benzo (a) pyrene in ng/m ³	<0.4	1	IS: 5182 (Part- 12)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R.Shome

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No. : QLS/MR/A/24-25/C/503
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/503
P.S. : Kanksa,Durgapur	Date of Performance(s) : 01.10.2024-09.10.2024
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref No. Date : 3322000741, Dated : 01.03.2024

Analysis Result

Location: Near Main Gate			Date of sampling : 29-30.09.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	147	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	78	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	9.8	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	36.7	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	1098	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	28.3	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	33.1	180	Air Sampling , 3 rd Edn -Method-411
8	Lead (Pb) in µg/m ³	0.11	1	EPA IO-3.2 & 5.0
9	Nickel (Ni) in ng/m ³	8.6	20	EPA IO-3.2
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling , 3 rd Edn.Method 402 and APHA 232 nd Edition Part 3114B
11	Benzene (C ₆ H ₆) in µg/m ³	<2.08	5	IS: 5182 (Part- 11)
12	Benzo (a) pyrene in ng/m ³	<0.4	1	IS: 5182 (Part- 12)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Ghosh

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No. : QLS/MR/A/24-25/C/504
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill : P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/504
P.S. : Kanksa,Durgapur	Date of Performance(s) : 01.10.2024-09.10.2024
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref No. Date : 3322000741, Dated : 01.03.2024

Analysis Result

Location: Near CPP			Date of sampling : 29-30.09.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	85	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	47	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	8.4	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	32.3	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	961	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	27.1	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	30.8	180	Air Sampling , 3 rd Edn -Method-411
8	Lead (Pb) in µg/m ³	0.05	1	EPA IO-3.2 & 5.0
9	Nickel (Ni) in ng/m ³	5.8	20	EPA IO-3.2
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling , 3 rd Edn Method 402 and APHA 232 nd Edition Part 3114B
11	Benzene (C ₆ H ₆) in µg/m ³	<2.08	5	IS: 5182 (Part- 11)
12	Benzo (a) pyrene in ng/m ³	<0.4	1	IS: 5182 (Part- 12)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Ghosh

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/MR/A/24-25/C/664
M/s. Neo Metaliks Ltd.	Date	: 09.12.2024
Vill + P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/664
P.S. :Kanksa,Durgapur	Date of Performance(s)	: 02 - 09.12.2024
PaschimBardhaman	Sample Description	: Ambient Air
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated: 01.03.2024

Analysis Result

Location: Near Main Gate			Date of sampling: 26-27.11.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	95	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	51	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	9.3	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	30.2	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1236	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	35.2	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	38.6	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.18	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	10.4	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 th Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer:

M/s. Neo Metaliks Ltd.

Vill + P.O. : Gopalpur

P.S. :Kanksa,Durgapur

PaschimBardhaman

West Bengal – 713 212

Report No. : QLS/MR/A/24-25/C/665
Date : 09.12.2024
Sample No. : QLS/MR/A/24-25/665
Date of Performance(s) : 02 -09.12.2024
Sample Description : Ambient Air
Ref No. Date : 3322000741,Dated: 01.03.2024

Analysis Result

Analysis Result				
Location: Near Old Admin Building			Date of sampling: 26-27.11.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	93	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	55	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	8.9	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	31.6	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1018	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	22.5	400	IS 5182 (Part 25) Reff 2018
7	Ozone (O ₃) in µg/m ³	31.3	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.11	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	8.3	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	1.3	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 th Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.

Report Prepared by :

R. Shome

for Qualissure Laboratory Services
Reviewed & Authorized By

BenimadhabGorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/MR/A/24-25/C/666
M/s. Neo Metaliks Ltd.	Date	: 09.12.2024
Vill : P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/666
P.S. :Kanksa,Durgapur	Date of Performance(s)	: 02 - 09.12.2024
PaschimBardhaman	Sample Description	: Ambient Air
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated: 01.03.2024

Analysis Result

Location: Near CPP			Date of sampling: 28-29.11.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	95	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	51	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	9.3	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	30.7	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1167	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	31.6	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	34.1	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.13	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	7.8	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 th Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Shome

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer: M/s. Neo Metaliks Ltd. Vill + P.O. :Gopalpur P.S. :Kanksa,Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/667 Date : 09.12.2024 Sample No. : QLS/MR/A/24-25/667 Date of Performance(s) : 02 - 09.12.2024 Sample Description : Ambient Air Ref No. Date : 3322000741,Dated: 01.03.2024
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Analysis Result

Location: Near PCM Boundary Wall			Date of sampling: 29-30.11.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	77	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	41	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	8.4	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	29.86	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1052	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	24.1	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	29.7	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.05	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	5.8	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 rd Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Goraj, Chemist
(Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer: M/s. Neo Metaliks Ltd. Vill + P.O. :Gopalpur P.S. :Kanksa,Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/668 Date : 09.12.2024 Sample No. : QLS/MR/A/24-25/668 Date of Performance(s) : 02 - 09.12.2024 Sample Description : Ambient Air Ref No. Date : 3322000741, Dated: 01.03.2024
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Analysis Result

Location: North-East Boundary Wall			Date of sampling: 29-30.11.2024	
Sampling Done by: S.Ghosh/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	79	100	IS 5182 (Part-23)Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	48	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	8.1	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	32.0	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	995	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	27.1	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	33.5	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	<0.02	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	4.5	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 rd Edition Part 3114B
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Ghosh

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer: M/s. Neo Metaliks Ltd. Vill + P.O. :Gopalpur P.S. : Kanksa,Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/902 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/902 Date of Performance(s) : 14.02 - 03.03.2025 Sample Description : Ambient Air Ref No. Date : 3322000741,Dated: 01.03.2024
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Analysis Result

Location: Near Main Gate			Date of sampling: 11-12.02.2025	
Sampling Done by: B.Mandal/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	140	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	73	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	12.6	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	36.4	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1487	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	41.7	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	25.3	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.26	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	11.2	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 rd Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/MR/A/24-25/C/903
M/s. Neo Metaliks Ltd.	Date	: 03.03.2025
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/903
P.S. : Kanksa,Durgapur	Date of Performance(s)	: 14.02 - 03.03.2025
Paschim Bardhaman	Sample Description	: Ambient Air
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated: 01.03.2024

Analysis Result

Location: Near Old Admin Building		Date of sampling: 11-12.02.2025		
Sampling Done by: B.Mandal/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	138	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	84	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	13.2	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	35.4	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1945	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	50.6	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	39.5	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.31	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	22.8	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	2.6	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 rd Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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TEST REPORT

Name & Address Of the Customer: M/s. Neo Metaliks Ltd. Vill + P.O. :Gopalpur P.S. : Kanksa,Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/904 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/904 Date of Performance(s) : 14.02 - 03.03.2025 Sample Description : Ambient Air Ref No. Date : 3322000741,Dated: 01.03.2024
--	---

Analysis Result

Location: Near PCM Boundary Wall		Date of sampling: 12-13.02.2025		
Sampling Done by: B.Mandal/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	142	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	80	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	11.9	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	32.4	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1762	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	28.4	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	40.2	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.08	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	8.5	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 rd Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/MR/A/24-25/C/905
M/s. Neo Metaliks Ltd.	Date	: 03.03.2025
Vill + P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/905
P.S. : Kanksa,Durgapur	Date of Performance(s)	: 14.02 - 03.03.2025
Paschim Bardhaman	Sample Description	: Ambient Air
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated: 01.03.2024

Analysis Result

Location: Near CPP			Date of sampling: 12-13.02.2025	
Sampling Done by: B.Mandal/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	108	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	54	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	10.1	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.7	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	984	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	39.4	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	41.6	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.07	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	4.4	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 th Edition Part 3114C
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part-12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

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

TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/MR/A/24-25/C/906
M/s. Neo Metaliks Ltd.	Date	: 03.03.2025
Vill + P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/906
P.S. : Kanksa,Durgapur	Date of Performance(s)	: 14.02 - 03.03.2025
Paschim Bardhaman	Sample Description	: Ambient Air
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated: 01.03.2024

Analysis Result

Location: North-East Boundary Wall			Date of sampling: 13-14.02.2025	
Sampling Done by: B.Mandal/P.Mandal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	89	100	IS 5182 (Part-23)Reff 2022
2	Particulate matter (PM _{2.5}) in µg/m ³	61	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO ₂) in µg/m ³	9.5	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO ₂) in µg/m ³	29.4	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in µg/m ³	1041	2000	IS 5182 (Part -10) Reff 2019
6	Ammonia (NH ₃) in µg/m ³	44.1	400	IS 5182 (Part-25) Reff 2018
7	Ozone (O ₃) in µg/m ³	20.9	180	IS 5182 (Part-9) Reff 2019
8	Lead (Pb) in µg/m ³	0.08	1	IS 5182 (Part-22) Reff 2019
9	Nickel (Ni) in ng/m ³	5.1	20	IS 5182 (Part-26) Reff 2020
10	Arsenic (As) in ng/m ³	<1.0	6	Air Sampling, 3 rd Edn. Method 402 and APHA 24 th Edition Part 3114B
11	Benzene (C ₆ H ₆) in µg/m ³	<2.0	5	IS 5182 (Part-11) Reff 2022
12	Benzo (a) pyrene in ng/m ³	<1.0	1	IS 5182 (Part -12) Reff 2019
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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Qualissure Laboratory Services

Annexure-6

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TC-6271



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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/1070
M/s. Neo Metaliks Ltd.	Date	: 23.04.2025
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/1070-1071
P.S. : Kanksa, Durgapur	Sample Description	: Stack Flue Gas
Paschim Bardhaman	Date of Performance(s)	: 26-30.03.2025
West Bengal – 713 212	Sample Mark	: Sinter Plant (Head ESP Inlet & Outlet)
	Ref. No. & Date	: 3322000376, Dated: 20.12.2024

Analysis Result

Date & Time of Sampling : 25.03.2025 at 14.00 hrs		Sample no : 1070	Sample No : 1071
Sampling done by : S.Poddar			
Sampling Procedures : EPA/IS			
A : General Information of Stack:			
1 Stack connected to		: Sinter Plant (Head ESP Inlet)	: Sinter Plant (Head ESP Outlet)
2 Emission due to		: Combustion BF Gas	: Combustion BF Gas
3 Material of construction of Stack		: MS	: MS
4 Shape of Stack		: Circular	: Circular
5 Whether stack is provided with permanent platform		: Yes	: Yes
6 Generation Capacity		: ---	: ---
B : Physical Characteristic of Stack:			
1 Height of Stack from ground level		: 6.0 m	: 50.0 m
2 Diameter of Stack at bottom		: ---	: ---
3 Diameter of Stack at sampling point		: 2.5 m	: 2.7 m
4 Height of the sampling point from ground level		: 6.0 m	: 35.00 m
5 Area of Stack		: 4.9107 m ²	: 5.727 m ²
C : Analysis/Characteristic of Stack :			
1 Fuel used : BF Gas	2. Fuel consumption : ---		
D : Results of Sampling & Analysis of gaseous Emission :		Method	Inlet Result
1 Temperature of emission (°C)	EPA Part 2	: 131	: 115
2 Barometric pressure (mm of Hg)	EPA Part 2	: 754	: 754
3 Velocity of gas (m/sec)	EPA Part 2	: 9.23	: 11.40
4 Quantity of gas flow (Nm ³ /hr)	EPA Part 2	: 107038	: 170227
5 Concentration of Carbon monoxide (%)	IS:13270-1992, Reaf : 2019	: <0.2	: <0.2
6 Concentration of Carbon dioxide (%)	IS:13270-1992, Reaf : 2019	: 7.0	: 6.0
7 Concentration of Sulphur dioxide (mg/Nm ³)	EPA Part-6	: 83.3	: 57.6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	EPA Part-7	: 41.9	: 34.4
9 Concentration of Particulate Matters (mg/Nm ³)	EPA Part 5	: 79	: 13
E : Pollution :			
Details of pollution control devices attached with the stack		: Nil	: ESP
F : Remarks : ---			

Report Prepared by : *(Signature)*

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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Qualissure Laboratory Services

Annexure-7

361, Prantick Pally,
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Mob. No. : 9831287086
9830093976

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill+ P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal -713 212	Report No. : QLS/MR/A/24-25/C/719 Date : 09.09.2024 Sample No. : QLS/MR/A/24-25/719 Sample Description : Stack Flue Gas Date of Performance : 19.08-02.09.2024 Ref No & Date : 3322000741, Dated: 01.03.2024
--	---

Analysis Result

Date & Time of Sampling : 18.08.2024 at 10:00 Hrs. Sampling done by : S.Mondal	Sampling Procedures : EPA/IS
A : General Information of Stack:	
1 Stack connected to	: Sinter Plant (Head ESP)
2 Emission due to	: Combustion BF Gas
3 Material of construction of Stack	: MS
4 Shape of Stack	: Circular
5 Whether Stack is provided with permanent platform	: Yes
6 Generation Capacity	: ---
B : Physical Characteristic of Stack:	
1 Height of Stack from ground level	: 50.0 m
2 Diameter of Stack at bottom	: ---
3 Diameter of Stack at sampling point	: 2.2 m
4 Height of the sampling point from ground level	: 37.25 m
5 Area of Stack	: 3.8029 m ²
C : Analysis/Characteristic of Duct:	
1 Fuel used : BF Gas	2. Fuel consumption : 3500 Nm ³ /hr

TEST REPORT DIOXIN

Sl No.	Parameters	RESULT in ng.TEQ/Nm ³	METHOD
1	1 2 3 7 8-Pentachlorodibenzo-p-dioxin	: <0.0024	USEPA 23A/QA.16.4.73
2	2 3 7 8-Tetrachlorodibenzo-p-dioxin	: <0.005	
3	Octachlorodibenzo-p-dioxin	: <0.000015	
4	Octachlorodibenzo-p-dioxin	: <0.024	
5	1 2 3 6 7 8-Hexachlorodibenzo-p-dioxin	: <0.0024	
6	1 2 3 4 6 7 8-Heptachlorodibenzo-p-dioxin	: <0.00024	
7	1 2 3 4 7 8-Hexachlorodibenzo-p-dioxin	: <0.0024	



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TEST REPORT FURAN

Sl No.	Parameters	RESULT in ng.TEQ/Nm ³	METHOD
1	2 3 4 7 8-Pentachlorodibenzofuran	: <0.0072	USEPA 23A/QA.16.4.73
2	1 2 3 6 7 8-Hexachlorodibenzofuran	: <0.0024	
3	2 3 7 8-Tetrachlorodibenzofuran	: <0.0005	
4	1 2 3 4 7 8 9-Heptachlorodibenzofuran	: <0.00024	
5	1 2 3 7 8 9-Hexachlorodibenzofuran	: <0.0024	
6	Octachlorodibenzofuran	: <0.000015	
7	1 2 3 4 6 7 8-Heptachlorodibenzofuran	: <0.00024	
8	2 3 4 6 7 8-Hexachlorodibenzofuran	: <0.0024	
9	1 2 3 4 7 8-Hexachlorodibenzofuran	: <0.0024	
10	2 3 7 8-Pentachlorodibenzofuran	: <0.00072	

TEST REPORT DIOXINS & FURANS

Sl No.	Parameters	RESULT in ng.TEQ/Nm ³	METHOD
1	Total Dioxins & Furans	: <0.01	USEPA 23A/QA.16.4.73

Remarks : TEQ = Toxic Equivalent Quotient, ng = Nano Gram

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/720
M/s. Neo Metaliks Ltd.	Date : 09.09.2024
Vill+ P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/720
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance : 19.08-02.09.2024
West Bengal -713 212	Ref No & Date : 3322000741, Dated: 01.03.2024

Analysis Result

Date & Time of Sampling : 19.08.2024 at 09:30 Hrs.	Sampling Procedures : EPA/IS
Sampling done by : S.Mondal	
A : General Information of Stack:	
1 Stack connected to	: Sinter Plant (Tail ESP)
2 Emission due to	: Process Activity
3 Material of construction of Stack	: MS
4 Shape of Stack	: Circular
5 Whether Stack is provided with permanent platform	: Yes
6 Generation Capacity	: ---
B : Physical Characteristic of Stack:	
1 Height of Stack from ground level	: 40.0 m
2 Diameter of Stack at bottom	: ---
3 Diameter of Stack at sampling point	: 2.0 m
4 Height of the sampling point from ground level	: 35.0 m
5 Area of Stack	: 3.1429 m ²
C : Analysis/Characteristic of Duct:	
1 Fuel used : ---	2. Fuel consumption : ---

TEST REPORT DIOXIN

Sl No.	Parameters	RESULT in ng.TEQ/Nm ³	METHOD
1	1 2 3 7 8-Pentachlorodibenzo-p-dioxin	: <0.024	
2	1 2 3 6 7 8-Hexachlorodibenzo-p-dioxin	: <0.0024	
3	2 3 7 8-Tetrachlorodibenzo-p-dioxin	: <0.005	
4	Octachlorodibenzo-p-dioxin	: <0.000015	USEPA 23A/QA.16.4.73
5	1 2 3 4 6 7 8-Heptachlorodibenzo-p-dioxin	: <0.00024	
6	1 2 3 4 7 8-Hexachlorodibenzo-p-dioxin	: <0.0024	
7	1 2 3 7 8 9-Hexachlorodibenzo-p-dioxin	: <0.0024	



Page 1 of 2

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TEST REPORT FURAN

Sl No.	Parameters	RESULT in ng.TEQ/Nm ³	METHOD
1	1 2 3 4 6 7 8-Heptachlorodibenzofuran	: <0.00024	USEPA 23A/QA.16.4.73
2	1 2 3 7 8 9-Hexachlorodibenzofuran	: <0.0024	
3	2 3 7 8-Tetrachlorodibenzofuran	: <0.0005	
4	1 2 3 4 7 8 9-Heptachlorodibenzofuran	: <0.00024	
5	1 2 3 7 8-Pentachlorodibenzofuran	: <0.00072	
6	Octachlorodibenzofuran	: <0.000015	
7	1 2 3 4 7 8-Hexachlorodibenzofuran	: <0.0024	
8	2 3 4 6 7 8-Hexachlorodibenzofuran	: <0.0024	
9	2 3 4 7 8-Pentachlorodibenzofuran	: <0.0072	
10	1 2 3 6 7 8-Hexachlorodibenzofuran	: <0.0024	

TEST REPORT DIOXINS & FURANS

Sl No.	Parameters	RESULT in ng.TEQ/Nm ³	METHOD
1	Total Dioxins & Furans	: <0.01	USEPA 23A/QA.16.4.73

Remarks : TEQ = Toxic Equivalent Quotient, ng = Nano Gram

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)



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TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/511
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/511
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 05.10.2024-22.10.2024
West Bengal – 713 212	Ref No. Date : 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 03.10.2024 at 14:10 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1	Stack connected to	: Sinter Plant (Head ESP)
2	Emission due to	: Combustion BF Gas
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: ----
B : Physical Characteristic of Stack:		
1	Height of Stack from ground level	: 50.0 m
2	Diameter of Stack at bottom	: ----
3	Diameter of Stack at sampling point	: 2.2 m
4	Height of the sampling point from ground level	: 37.25 m
5	Area of Stack	: 3.8029 m ²
C : Analysis/Characteristic of Stack :		
1	Fuel used : BF Gas	2. Fuel consumption : 3500 Nm ³ /hr
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1	Temperature of emission (°C)	: 130 EPA Part 2
2	Barometric pressure (mm of Hg)	: 752 EPA Part 2
3	Velocity of gas (m/sec)	: 12.53 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 122668 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 5.8 IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 46.1 EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 28.7 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 32 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: ESP
F : Remarks : Nil		

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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



TC-6271



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/512
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/512
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 05.10.2024-22.10.2024
West Bengal – 713 212	Ref No. Date : 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 01.10.2024 at 11:25 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1 Stack connected to	: MBF Plant (Blast Furnace)	
2 Emission due to	: Combustion BF Gas & Coke	
3 Material of construction of Stack	: MS	
4 Shape of Stack	: Circular	
5 Whether stack is provided with permanent platform	: Yes	
6 Generation Capacity	: ---	
B : Physical Characteristic of Stack:		
1 Height of Stack from ground level	: 50.0 m	
2 Diameter of Stack at bottom	: ---	
3 Diameter of Stack at sampling point	: 2.29 m	
4 Height of the sampling point from ground level	: 26.82 m	
5 Area of Stack	: 4.1204 m ²	
C : Analysis/Characteristic of Stack :		
1 Fuel used : BF Gas & Coke	2.Fuel consumption : 40000 m ³ /hr. / Store Coke 600 Kgs./hr.	
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1 Temperature of emission (°C)	: 138	EPA Part 2
2 Barometric pressure (mm of Hg)	: 751	EPA Part 2
3 Velocity of gas (m/sec)	: 9.34	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 99192	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6 Concentration of Carbon dioxide (%)	: 4.0	IS:13270-1992, Reaf : 2019
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 19.9	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 31.2	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 26	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: Cyclone Separator, Saturator & Ventury scrubber
F :Remarks : Nil		

Report Prepared by :

R. Shome

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TC-6271



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/513
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/513
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 05.10.2024-22.10.2024
West Bengal – 713 212	Ref No. Date : 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 03.10.2024 at 15:40 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : S.Ghosh			
A : General Information of Stack:			
1	Stack connected to	: DG Set-1250 kVA	
2	Emission due to	: Combustion of HSD	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 1250 kVA	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 0.25 m	
4	Height of the sampling point from ground level	: 7.62 m	
5	Area of Stack	: 0.0491 m ²	
C : Analysis/Characteristic of Stack :			
1	Fuel used :HSD	2. Fuel consumption : 230 lit/hr	
D : Results of Sampling & Analysis of gaseous Emission :		Result	Method
1	Temperature of emission (°C)	: 212	FPA Part 2
2	Barometric pressure (mm of Hg)	: 752	EPA Part 2
3	Velocity of gas (m/sec)	: 15.19	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1633	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 76.7 at 15% O ₂	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide(%v/v)	: 4.8	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 12.5	EPA Part-6
8	Concentration of Oxides of Nitrogen (ppm)	: 11.7 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 30 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: NIL	
F :Remarks : Nil			

Report Prepared by :

R. Soome

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/514
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/514
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 05.10.2024-22.10..2024
West Bengal – 713 212	Ref No. Date : 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 03.10.2024 at 15:00 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : S.Ghosh			
A : General Information of Stack:			
1	Stack connected to	: DG Set-1500 kVA	
2	Emission due to	: Combustion of HSD	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 1500 kVA	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ---	
3	Diameter of Stack at sampling point	: 0.25 m	
4	Height of the sampling point from ground level	: 7.62 m	
5	Area of Stack	: 0.0491m ²	
C : Analysis/Characteristic of Stack :			
1	Fuel used : HSD	2. Fuel consumption : 270 lit/hr	
D : Results of Sampling & Analysis of gaseous Emission :			
		Result	Method
1	Temperature of emission (°C)	: 242	EPA Part 2
2	Barometric pressure (mm of Hg)	: 752	EPA Part 2
3	Velocity of gas (m/sec)	: 15.87	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1613	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 79.4 at 15% O ₂	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide(%v/v)	: 4.4	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 12.6	EPA Part-6
8	Concentration of Oxides of Nitrogen (ppm)	: 15.2 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 47 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F :Remarks : Nil			

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TC-6271



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/515
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/515
P.S. : Kanksa,Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 05.10.2024-22.10.2024
West Bengal – 713 212	Ref No. Date : 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 03.10.2024 at 11:30 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1	Stack connected to	: Vertical Roller Mill through Bag Filter
2	Emission due to	: De-Moisturing of pulverized Coal using BF Gas
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: ----
B : Physical Characteristic of Stack:		
1	Height of Stack from ground level	: 42.6 m
2	Diameter of Stack at bottom	: ----
3	Diameter of Stack at sampling point	: 0.820 m
4	Height of the sampling point from ground level	: 25.6 m
5	Area of Stack	: 0.5283 m ²
C : Analysis/Characteristic of Stack :		
1	Fuel used : BF Gas	2. Fuel consumption : 750 Nm ³ /hr
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1	Temperature of emission (°C)	: 87 EPA Part 2
2	Barometric pressure (mm of Hg)	: 752 EPA Part 2
3	Velocity of gas (m/sec)	: 18.35 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 28559 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: <0.2 IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4 EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 13.8 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 29 EPA Part 5
E : Pollution :		
	Details of pollution control devices attached with the stack : Bag Filter	
F : Remarks : Nil		

Report Prepared by :

R. Shome

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TC-6271



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/516
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/516
P.S. : Kanksa,Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 05.10.2024-28.10.2024
West Bengal – 713 212	Ref No. Date : 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 01.10.2024 at 10:30 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1	Stack connected to	: CPP
2	Emission due to	: Combustion FO & BF Gas
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: 4.5 MW
B : Physical Characteristic of Stack:		
1	Height of Stack from ground level	: 50.0 m
2	Diameter of Stack at bottom	: ----
3	Diameter of Stack at sampling point	: 1.4 m
4	Height of the sampling point from ground level	: 31.0 m
5	Area of Stack	: 1.54m ²
C : Analysis/Characteristic of Stack :		
1.	Fuel used : BF Gas & Furnace Oil	2. Fuel consumption : BF Gas- 24000 Nm ³ /hr
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1	Temperature of emission (°C)	: 130 EPA Part 2
2	Barometric pressure (mm of Hg)	: 751 EPA Part 2
3	Velocity of gas (m/sec)	: 12.41 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 50250 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 5.0 IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 81.2 EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 50.7 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 22 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack : NIL		
F :Remarks : Nil		

Report Prepared by :

R. Joona

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/517
M/s. Neo Metaliks Ltd.	Date : 28.10.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/517
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 05.10.2024-28.10.2024
West Bengal – 713 212	Ref No. Date : 3322000/41,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 03.10.2024 at 12:35 Hrs.	Sampling Procedures : EPA/IS																				
Sampling done by : S.Ghosh																					
A : General Information of Stack:																					
1 Stack connected to	: Sinter Plant (Tail ESP)																				
2 Emission due to	: Process Activity																				
3 Material of construction of Stack	: MS																				
4 Shape of Stack	: Circular																				
5 Whether stack is provided with permanent platform	: Yes																				
6 Generation Capacity	: ----																				
B : Physical Characteristic of Stack:																					
1 Height of Stack from ground level	: 40.0 m																				
2 Diameter of Stack at bottom	: ----																				
3 Diameter of Stack at sampling point	: 2.0 m																				
4 Height of the sampling point from ground level	: 35.0 m																				
5 Area of Stack	: 3.1429 m ²																				
C : Analysis/Characteristic of Stack :																					
1 Fuel used : ---	2. Fuel consumption : ----																				
D : Results of Sampling & Analysis of gaseous Emission :																					
	<table><tr><th>Result</th><th>Method</th></tr><tr><td>1 Temperature of emission (°C)</td><td>: 75 EPA Part 2</td></tr><tr><td>2 Barometric pressure (mm of Hg)</td><td>: 752 EPA Part 2</td></tr><tr><td>3 Velocity of gas (m/sec)</td><td>: 11.32 EPA Part 2</td></tr><tr><td>4 Quantity of gas flow (Nm³/hr)</td><td>: 108534 EPA Part 2</td></tr><tr><td>5 Concentration of Carbon monoxide (%)</td><td>: <0.2 IS:13270-1992, Reaf : 2019</td></tr><tr><td>6 Concentration of Carbon dioxide (%)</td><td>: 2.8 IS:13270-1992, Reaf : 2019</td></tr><tr><td>7 Concentration of Sulphur dioxide (mg/Nm³)</td><td>: 25.2 EPA Part-6</td></tr><tr><td>8 Concentration of Oxides of Nitrogen (mg/Nm³)</td><td>: 27.0 EPA Part-7</td></tr><tr><td>9 Concentration of Particulate Matters (mg/Nm³)</td><td>: 25 EPA Part 5</td></tr></table>	Result	Method	1 Temperature of emission (°C)	: 75 EPA Part 2	2 Barometric pressure (mm of Hg)	: 752 EPA Part 2	3 Velocity of gas (m/sec)	: 11.32 EPA Part 2	4 Quantity of gas flow (Nm ³ /hr)	: 108534 EPA Part 2	5 Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2019	6 Concentration of Carbon dioxide (%)	: 2.8 IS:13270-1992, Reaf : 2019	7 Concentration of Sulphur dioxide (mg/Nm ³)	: 25.2 EPA Part-6	8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 27.0 EPA Part-7	9 Concentration of Particulate Matters (mg/Nm ³)	: 25 EPA Part 5
Result	Method																				
1 Temperature of emission (°C)	: 75 EPA Part 2																				
2 Barometric pressure (mm of Hg)	: 752 EPA Part 2																				
3 Velocity of gas (m/sec)	: 11.32 EPA Part 2																				
4 Quantity of gas flow (Nm ³ /hr)	: 108534 EPA Part 2																				
5 Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2019																				
6 Concentration of Carbon dioxide (%)	: 2.8 IS:13270-1992, Reaf : 2019																				
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 25.2 EPA Part-6																				
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 27.0 EPA Part-7																				
9 Concentration of Particulate Matters (mg/Nm ³)	: 25 EPA Part 5																				
E : Pollution :																					
Details of pollution control devices attached with the stack	: ESP																				
F : Remarks : Nil																					

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/670
M/s. Neo Metaliks Ltd.	Date	: 10.12.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/670
P.S. : Kanksa, Durgapur	Sample Description	: Stack Flue Gas
PaschimBardhaman	Date of Performance(s)	: 02- 09.12.2024
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 30.11.2024 at 12:05 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : S.Ghosh			
A : General Information of Stack:			
1	Stack connected to	: DG Set-1500 kVA	
2	Emission due to	: Combustion of HSD	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 1500 kVA	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 0.25 m	
4	Height of the sampling point from ground level	: 7.62 m	
5	Area of Stack	: 0.0491m ²	
C : Analysis/Characteristic of Stack :			
1	Fuel used :HSD	2. Fuel consumption : 270 lit/hr	
D : Results of Sampling & Analysis of gaseous Emission :		Result	Method
1	Temperature of emission (°C)	: 235	EPA Part 2
2	Barometric pressure (mm of Hg)	: 760	EPA Part 2
3	Velocity of gas (m/sec)	: 15.48	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1612	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 72.8 at 15% O ₂	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide(%v/v)	: 5.2	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 19.1	EPA Part-6
8	Concentration of Oxides of Nitrogen (ppm)	: 10.5 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 44 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F :Remarks : Nil			

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/671 Date : 10.12.2024 Sample No. : QLS/MR/A/24-25/671 Sample Description : Stack Flue Gas Date of Performance(s) : 02 - 09.12.2024 Ref No. Date : 3322000741, Dated: 01.03.2024
--	--

Analysis Result

Date & Time of Sampling : 30.11.2024 at 11:30 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : S.Ghosh			
A : General Information of Stack:			
1	Stack connected to	: DG Set-1250 kVA	
2	Emission due to	: Combustion of HSD	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 1250 kVA	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ---	
3	Diameter of Stack at sampling point	: 0.25 m	
4	Height of the sampling point from ground level	: 7.62 m	
5	Area of Stack	: 0.0491 m ²	
C : Analysis/Characteristic of Stack :			
1	Fuel used :HSD	2. Fuel consumption : 230 lit/hr	
D : Results of Sampling & Analysis of gaseous Emission :			
	Result	Method	LIMIT
1	Temperature of emission (°C)	EPA Part 2	----
2	Barometric pressure (mm of Hg)	EPA Part 2	----
3	Velocity of gas (m/sec)	EPA Part 2	----
4	Quantity of gas flow (Nm ³ /hr)	EPA Part 2	----
5	Concentration of Carbon monoxide(mg/Nm ³)	IS:13270-1992, Reaf : 2019	150
6	Concentration of Carbon dioxide(%v/v)	IS:13270-1992, Reaf : 2019	----
7	Concentration of Sulphur dioxide (mg/Nm ³)	EPA Part-6	----
8	Concentration of Oxides of Nitrogen (ppm)	EPA Part-7	710
9	Concentration of Particulate Matters (mg/Nm ³)	EPA Part 5	75
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F :Remarks : Nil			

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/672
M/s. Neo Metaliks Ltd.	Date	: 10.12.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/672
P.S. : Kanksa, Durgapur	Sample Description	: Stack Flue Gas
PaschimBardhaman	Date of Performance(s)	: 02 - 09.12.2024
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated: 01.03.2024

Analysis Result

Date & Time of Sampling : 30.11.2024 at 10:30 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1	Stack connected to	: MBF Plant (Blast Furnace)
2	Emission due to	: Combustion BF Gas& Coke
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: ----
B : Physical Characteristic of Stack:		
1	Height of Stack from ground level	: 50.0 m
2	Diameter of Stack at bottom	: ----
3	Diameter of Stack at sampling point	: 2.29 m
4	Height of the sampling point from ground level	: 26.82 m
5	Area of Stack	: 4.1204 m ²
C : Analysis/Characteristic of Stack :		
1	Fuel used : BF Gas & Coke	2.Fuel consumption : 40000 m ³ /hr. / Store Coke 600 Kgs./hr.
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1	Temperature of emission (°C)	: 206 EPA Part 2
2	Barometric pressure (mm of Hg)	: 760 EPA Part 2
3	Vclocity of gas (m/sec)	: 6.54 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 60276 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 4.4 IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 22.4 EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 35.0 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 32 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack : Cyclone Separator, Saturator & Ventury Scrubber		
F :Remarks : Nil		

Report Prepared by :

R. Stone

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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Qualissure Laboratory Services



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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/673
M/s. Neo Metallks Ltd.	Date	: 10.12.2024
Vill + P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/673
P.S. :Kanksa,Durgapur	Sample Description	: Stack Flue Gas
PaschimBardhaman	Date of Performance(s)	: 02 - 09.12.2024
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 29.11.2024 at 15:10 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1 Stack connected to	: Vertical Roller Mill through Bag Filter	
2 Emission due to	: De-Moisturing of Pulverized Coal using BF Gas	
3 Material of construction of Stack	: MS	
4 Shape of Stack	: Circular	
5 Whether stack is provided with permanent platform	: Yes	
6 Generation Capacity	: ----	
B : Physical Characteristic of Stack:		
1 Height of Stack from ground level	: 42.6 m	
2 Diameter of Stack at bottom	: ----	
3 Diameter of Stack at sampling point	: 0.820 m	
4 Height of the sampling point from ground level	: 25.6 m	
5 Area of Stack	: 0.5283 m ²	
C : Analysis/Characteristic of Stack :		
1 Fuel used :BF Gas	2. Fuel consumption : 750 Nm ³ /hr	
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1 Temperature of emission (°C)	: 91	EPA Part 2
2 Barometric pressure (mm of Hg)	: 760	EPA Part 2
3 Velocity of gas (m/sec)	: 18.13	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 28271	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6 Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
7 Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 11.5	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 28	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: Bag Filter
F :Remarks : Nil		

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TC-6271



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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/674 Date : 10.12.2024 Sample No. : QLS/MR/A/24-25/674 Sample Description : Stack Flue Gas Date of Performance(s) : 02-09.12.2024 Ref No. Date : 3322000741, Dated: 01.03.2024
---	--

Analysis Result

Date & Time of Sampling : 29.11.2024 at 13:30 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : S.Ghosh			
A : General Information of Stack:			
1	Stack connected to	: Sinter Plant (Tail ESP)	
2	Emission due to	: Process Activity	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: ---	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 40.0 m	
2	Diameter of Stack at bottom	: ---	
3	Diameter of Stack at sampling point	: 2.0 m	
4	Height of the sampling point from ground level	: 35.0 m	
5	Area of Stack	: 3.1429 m ²	
C : Analysis/Characteristic of Stack :			
1	Fuel used :---	2. Fuel consumption : ---	
D : Results of Sampling & Analysis of gaseous Emission :			
		Result	Method
1	Temperature of emission (°C)	: 82	EPA Part 2
2	Barometric pressure (mm of Hg)	: 760	EPA Part 2
3	Velocity of gas (m/sec)	: 10.99	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 104311	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 3.4	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 13.5	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 25.1	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 22	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : ESP			
F :Remarks : Nil			

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/675
M/s. Neo Metaliks Ltd.	Date	: 10.12.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/675
P.S. : Kanksa,Durgapur	Sample Description	: Stack Flue Gas
PaschimBardhaman	Date of Performance(s)	: 02 - 09.12.2024
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 29.11.2024 at 12:05 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1 Stack connected to	: Sinter Plant (Head ESP)	
2 Emission due to	: Combustion BF Gas	
3 Material of construction of Stack	: MS	
4 Shape of Stack	: Circular	
5 Whether stack is provided with permanent platform	: Yes	
6 Generation Capacity	: ----	
B : Physical Characteristic of Stack:		
1 Height of Stack from ground level	: 50.0 m	
2 Diameter of Stack at bottom	: ----	
3 Diameter of Stack at sampling point	: 2.2 m	
4 Height of the sampling point from ground level	: 37.25 m	
5 Area of Stack	: 3.8029 m ²	
C : Analysis/Characteristic of Stack :		
1 Fuel used :BF Gas	2. Fuel consumption : 3500 Nm ³ /hr	
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1 Temperature of emission (°C)	: 127	EPA Part 2
2 Barometric pressure (mm of Hg)	: 760	EPA Part 2
3 Velocity of gas (m/sec)	: 10.93	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 111419	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6 Concentration of Carbon dioxide (%)	: 5.2	IS:13270-1992, Reaf : 2019
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 45.9	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 37.1	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 28	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack : ESP		
F :Remarks : Nil		

Report Prepared by :

R. Stone

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/676
M/s. Neo Metaliks Ltd.	Date	: 10.12.2024
Vill + P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/676
P.S. :Kanksa,Durgapur	Sample Description	: Stack Flue Gas
PaschimBardhaman	Date of Performance(s)	: 02-09.12.2024
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 28.11.2024 at 13:00 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : S.Ghosh		
A : General Information of Stack:		
1 Stack connected to	: CPP	
2 Emission due to	: Combustion FO & BF Gas	
3 Material of construction of Stack	: MS	
4 Shape of Stack	: Circular	
5 Whether stack is provided with permanent platform	: Yes	
6 Generation Capacity	: 4.5 MW	
B : Physical Characteristic of Stack:		
1 Height of Stack from ground level	: 50.0 m	
2 Diameter of Stack at bottom	: ---	
3 Diameter of Stack at sampling point	: 1.4 m	
4 Height of the sampling point from ground level	: 31.0 m	
5 Area of Stack	: 1.54 m ²	
C : Analysis/Characteristic of Stack :		
1. Fuel used :BF Gas &Furnace Oil	2. Fuel consumption : BF Gas- 24000 Nm ³ /hr	
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1 Temperature of emission (°C)	: 143	EPA Part 2
2 Barometric pressure (mm of Hg)	: 760	EPA Part 2
3 Velocity of gas (m/sec)	: 10.80	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 42869	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6 Concentration of Carbon dioxide (%)	: 4.8	IS:13270-1992, Reaf : 2019
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 61.2	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 49.5	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 26	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: NIL
F :Remarks : Nil		

Report Prepared by :

R. Ghose

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
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TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/912
M/s. Neo Metaliks Ltd.	Date	: 03.03.2025
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/912
P.S. : Kanksa, Durgapur	Sample Description	: Stack Flue Gas
Paschim Bardhaman	Date of Performance(s)	: 14.02 - 03.03.2025
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated: 01.03.2024

Analysis Result

Date & Time of Sampling : 11.02.2025 at 14:20 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: DG Set-1500 kVA	
2	Emission due to	: Combustion of HSD	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 1500 kVA	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ---	
3	Diameter of Stack at sampling point	: 0.25 m	
4	Height of the sampling point from ground level	: 7.62 m	
5	Area of Stack	: 0.0491m ²	
C : Analysis/Characteristic of Stack :			
1	Fuel used :HSD	2. Fuel consumption : 270 lit/hr	
D : Results of Sampling & Analysis of gaseous Emission :		Result	Method
1	Temperature of emission (°C)	: 230	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 15.29	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1580	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 64.3 at 15% O ₂	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide(%v/v)	: 5.4	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 16.5	EPA Part-6
8	Concentration of Oxides of Nitrogen (ppm)	: 8.8 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 27 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F :Remarks : Nil			

Report Prepared by : *Di*

for Qualissure Laboratory Services
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Benimadhab Gorai, Chemist
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DOC NO : QLS/SAMP/08-B/00

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/913 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/931 Sample Description : Stack Flue Gas Date of Performance(s) : 14.02 - 03.03.2025 Ref No. Date : 3322000741, Dated:01.03.2024
---	--

Analysis Result

Date & Time of Sampling :11.02.2025 at 13:00 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: DG Set-1250 kVA	
2	Emission due to	: Combustion of HSD	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 1250 kVA	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 30.0 m	
2	Diameter of Stack at bottom	: ----	
3	Diameter of Stack at sampling point	: 0.25 m	
4	Height of the sampling point from ground level	: 7.62 m	
5	Area of Stack	: 0.0491 m ²	
C : Analysis/Characteristic of Stack :			
1	Fuel used : HSD	2. Fuel consumption : 200 lit/hr	
D : Results of Sampling & Analysis of gaseous Emission :		Result	Method
1	Temperature of emission (°C)	: 205	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 14.07	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1531	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 57.2 % O ₂	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide(%v/v)	: 5.2	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 16.0	EPA Part-6
8	Concentration of Oxides of Nitrogen (ppm)	: 8.9 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 36 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F :Remarks : Nil			

Report Prepared by : *Coli*

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/914 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/914 Sample Description : Stack Flue Gas Date of Performance(s) : 14.02 - 03.03.2025 Ref No. Date : 3322000741, Dated: 01.03.2024
---	---

Analysis Result

Date & Time of Sampling: 12.02.2025 at 12:15 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : D.Sahoo		
A : General Information of Stack:		
1	Stack connected to	: MBF Plant (Blast Furnace)
2	Emission due to	: Combustion BF Gas& Coke
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: ---
B : Physical Characteristic of Stack:		
1	Height of Stack from ground level	: 50.0 m
2	Diameter of Stack at bottom	: ---
3	Diameter of Stack at sampling point	: 2.29 m
4	Height of the sampling point from ground level	: 26.82 m
5	Area of Stack	: 4.1204 m ²
C : Analysis/Characteristic of Stack :		2.Fuel consumption :
1	Fuel used : BF Gas & Coke	BF Gas - 40000 m ³ /hr/ Store Coke - 600 Kgs./hr.
D : Results of Sampling & Analysis of gaseous Emission :		Result
1	Temperature of emission (°C)	: 206
2	Barometric pressure (mm of Hg)	: 760
3	Velocity of gas (m/sec)	: 6.54
4	Quantity of gas flow (Nm ³ /hr)	: 60276
5	Concentration of Carbon monoxide (%)	: <0.2
6	Concentration of Carbon dioxide (%)	: 4.4
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 22.4
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 35.0
9	Concentration of Particulate Matters (mg/Nm ³)	: 24
E : Pollution :		Method
Details of pollution control devices attached with the stack		: Cyclone Separator, Saturator & Ventury Scrubber
F :Remarks : Nil		

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/915
M/s. Neo Metaliks Ltd.	Date	: 03.03.2025
Vill + P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/915
P.S. :Kanksa,Durgapur	Sample Description	: Stack Flue Gas
Paschim Bardhaman	Date of Performance(s)	: 14.02 - 03.03.2025
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 12.02.2025 at 11:10 Hrs.		Sampling Procedures : EPA/IS	
Sampling done by : D.Sahoo			
A : General Information of Stack:			
1	Stack connected to	: CPP	
2	Emission due to	: Combustion FO & BF Gas	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 4.5 MW	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 50.0 m	
2	Diameter of Stack at bottom	: ---	
3	Diameter of Stack at sampling point	: 1.4 m	
4	Height of the sampling point from ground level	: 31.0 m	
5	Area of Stack	: 1.54 m ²	
C : Analysis/Characteristic of Stack :			
1. Fuel used : BF Gas &Furnace Oil		2. Fuel consumption : BF Gas- 24000 Nm ³ /hr	
D : Results of Sampling & Analysis of gaseous Emission :		Result	Method
1	Temperature of emission (°C)	: 140	EPA Part 2
2	Barometric pressure (mm of Hg)	: 750	EPA Part 2
3	Velocity of gas (m/sec)	: 10.03	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 38688	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 5.0	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 45.5	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 38.2	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 22	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: NIL	
F :Remarks : Nil			

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/916
M/s. Neo Metaliks Ltd.	Date : 03.03.2025
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/916
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 14.02 - 03.03.2025
West Bengal - 713 212	Ref No. Date : 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 13.02.2025 at 12:20 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : D.Sahoo		
A : General Information of Stack:		
1	Stack connected to	: Vertical Roller Mill through Bag Filter
2	Emission due to	: De-Moisturing of Pulverized Coal using BF Gas
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: ---
B : Physical Characteristic of Stack:		
1	Height of Stack from ground level	: 42.6 m
2	Diameter of Stack at bottom	: ---
3	Diameter of Stack at sampling point	: 0.820 m
4	Height of the sampling point from ground level	: 25.6 m
5	Area of Stack	: 0.5283 m ²
C : Analysis/Characteristic of Stack :		
1	Fuel used: BF Gas	2. Fuel Consumption: 750 Nm ³ /hr
D : Results of Sampling & Analysis of gaseous Emission :		
		Result
1	Temperature of emission (°C)	: 85
2	Barometric pressure (mm of Hg)	: 750
3	Velocity of gas (m/sec)	: 15.71
4	Quantity of gas flow (Nm ³ /hr)	: 24565
5	Concentration of Carbon monoxide (%)	: <0.2
6	Concentration of Carbon dioxide (%)	: <0.2
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 10.0
9	Concentration of Particulate Matters (mg/Nm ³)	: 18
E : Pollution :		
Details of pollution control devices attached with the stack		: Bag Filter
F :Remarks : Nil		

Report Prepared by :

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/922
M/s. Neo Metaliks Ltd.	Date	: 10.03.2025
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/922
P.S. : Kanksa,Durgapur	Sample Description	: Stack Flue Gas
PaschimBardhaman	Date of Performance(s)	: 18.02 - 03.03.2025
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 17.02.2025 at 10:35 Hrs.		Sampling Procedures : EPA/IS
Sampling done by : D.Sahoo		
A : General Information of Stack:		
1	Stack connected to	: New Sinter Plant (Head ESP)
2	Emission due to	: Combustion BF Gas
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: 105 Ton/Day
B : Physical Characteristic of Stack:		
1	Height of Stack from ground level	: 50.0 m
2	Diameter of Stack at bottom	: ---
3	Diameter of Stack at sampling point	: 2.7 m
4	Height of the sampling point from ground level	: 35 m
5	Area of Stack	: 5.727 m ²
C : Analysis/Characteristic of Stack :		
1	Fuel used :BF Gas	2. Fuel consumption: BF Gas- 4500 m ³ /hr, Coke-18 kg/Ton Sinter,
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1	Temperature of emission (°C)	: 118 EPA Part 2
2	Barometric pressure (mm of Hg)	: 752 EPA Part 2
3	Velocity of gas (m/sec)	: 9.80 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 147091 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide (%)	: 5.6 IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 15.6 EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 41.8 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 28 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: ESP
F :Remarks : Nil		

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/507
M/s. Neo Metaliks Ltd.	Date	: 28.10.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/507
P.S. : Kanksa, Durgapur	Sample Description	: Work Zone Monitoring
Paschim Bardhaman	Date of Performance(s)	: 05.10.2024-22.10.2024
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result

Location : Hot Metal Bay		Date of sampling : 03.10.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Partly Cloudy			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	154	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	98	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.2	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	27.5	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	778	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.08	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. Ghosh

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/508 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/508 Sample Description : Work Zone Monitoring Date of Performance(s) : 05.10.2024-22.10.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location : Ground Hopper		Date of sampling : 03.10.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Partly Cloudy			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	263	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	121	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	8.2	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	28.9	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1041	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.13	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. Stome

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/509
M/s. Neo Metaliks Ltd.	Date	: 28.10.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/509
P.S. : Kanksa, Durgapur	Sample Description	: Work Zone Monitoring
Paschim Bardhaman	Date of Performance(s)	: 05.10.2024-22.10.2024
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result

Location : Near Tail ESP		Date of sampling : 03.10.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Partly Cloudy			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	174	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	89	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.9	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	26.5	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	812	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.08	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. Ghosh

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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DOC NO : QLS/SAMP/08 A/00

TEST REPORT

Name & Address Of the Customer :	Report No. :
M/s. Neo Metaliks Ltd.	Date :
Vill + P.O. : Gopalpur	Sample No. :
P.S. : Kanksa, Durgapur	Sample Description :
Paschim Bardhaman	Date of Performance(s) :
West Bengal – 713 212	Ref No. Date :

Analysis Result

Location : Near Head ESP		Date of sampling : 03.10.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Partly Cloudy			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	349	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	172	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	9.5	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	30.9	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1075	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.17	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. Ghosh

for Qualissure Laboratory Services

Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/677 Date : 09.12.2024 Sample No. : QLS/MR/A/24-25/677 Sample Description : Fugitive Air Date of Performance(s) : 02 - 08.12.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location : Near Ground Hopper		Date of sampling : 30.11.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	314	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	189	IS 5182 (Part-23) Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	12.1	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	34.2	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1121	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.39	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/678 Date : 09.12.2024 Sample No. : QLS/MR/A/24-25/678 Sample Description : Fugitive Air Date of Performance(s) : 02 - 08.12.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location : Near Head ESP		Date of sampling : 30.11.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	427	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	292	IS 5182 (Part-23) Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	13.7	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	35.6	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1201	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.25	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. S. Ghosh

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/679 Date : 09.12.2024 Sample No. : QLS/MR/A/24-25/679 Sample Description : Fugitive Air Date of Performance(s) : 02.12.2024-08.12.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location : Near Hot Meta Bay		Date of sampling :30.11.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	251	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	162	IS 5182 (Part-23)Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	11.3	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	31.7	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1098	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.22	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. Shome

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/680 Date : 09.12.2024 Sample No. : QLS/MR/A/24-25/680 Sample Description : Fugitive Air Date of Performance(s) : 02 - 08.12.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location : Near Tail ESP		Date of sampling : 30.11.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	374	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	256	IS 5182 (Part-23)Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	9.8	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	32.1	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1018	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.18	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

R. Ghose

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/908 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/908 Sample Description : Fugitive Air Date of Performance(s) : 14.02 - 03.03.2025 Ref No. Date : 3322000741, Dated : 01.03.2024
--	--

Analysis Result

Location : Near Ground Hopper		Date of sampling : 12.02.2025	
Sampling Done by: B.Mandal/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	251	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	148	IS 5182 (Part-23) Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	8.7	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	30.1	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1373	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.22	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/909 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/909 Sample Description : Fugitive Air Date of Performance(s) : 14.02 - 03.03.2025 Ref No. Date : 3322000741, Dated : 01.03.2024
---	--

Analysis Result

Location : Near Head ESP		Date of sampling : 13.02.2024	
Sampling Done by: B.Mandal/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	263	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	189	IS 5182 (Part-23) Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	8.0	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	28.6	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	927	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.05	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/910 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/910 Sample Description : Fugitive Air Date of Performance(s) : 14.02 - 03.03.2025 Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location : Near Tail ESP		Date of sampling : 13.02.2025	
Sampling Done by: B.Mandal/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	206	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	131	IS 5182 (Part-23)Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	8.2	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	27.4	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	847	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.03	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/911 Date : 03.03.2025 Sample No. : QLS/MR/A/24-25/911 Sample Description : Fugitive Air Date of Performance(s) : 14.02 - 03.03.2025 Ref No. Date : 3322000741, Dated : 01.03.2024
---	--

Analysis Result

Location : Near Hot Meta Bay		Date of sampling : 12.02.2025	
Sampling Done by: B.Mandal/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	411	IS 5182 (Part-4) Reff 2019
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	242	IS 5182 (Part-23)Reff 2022
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	16.7	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	33.0	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1830	IS 5182 (Part -10) Reff 2019
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.31	IS 5182 (Part-22) Reff 2019
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

Report Prepared by : *Ch.*

for Qualissure Laboratory Services
Reviewed & Authorized By

Beni
Benimadhab Gorai, Chemist
(Authorized Signatory)

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REPORT ON
VENTILATION CONDITION & HEAT STRESS
MEASUREMENT

for
M/s. NEO METALIKS LIMITED,
Gopalpur, Durgapur-713212, West Bengal

February, 2025

PREPARED BY:-

M/s. Pollution And Project Consultants,
P – 145, Bangur Avenue, Block – A,
Kolkata – 700 055

Name of the Factory	: M/s. NEO METALIKS LIMITED, Gopalpur, Durgapur-713212, WB
Date of Execution of job	: 26th February'2025

Introduction:

M/s. Pollution And Project Consultants have been asked to carry out the measurement of Ventilation Condition & Heat Stress for assessment of Ventilation Condition & Heat Stress.

Statutory requirement of Ventilation and Temperature :-

As per i) Section 13 of Factories Act 1948

ii) WBFR -1958, Rule 19A

Instruments used:

- i) Analog Anemometer
- ii) Dry Bulb Wet Bulb Thermometer
- iii) Heat Stress Globe attached with Thermometer

Acknowledgement:

We acknowledge our sincere thanks and gratitude to the following persons for their co-operation and help to our sampling team during the survey.

- i) All employees & management of M/s. Neo Metaliks Limited, Gopalpur, Durgapur-713212.

**REPORT ON
VENTILATION CONDITION MEASUREMENT**

TABLE - 1 ::

TEST REPORTS
ON
VENTILATION CONDITION

Ambient Temperature	Dry Bulb	Wet Bulb
On 26/02/2025	27.5°C	20.0°C

Customer Name : M/s. Neo Metaliks Limited

Address : Gopalpur, Durgapur-713212, West Bengal.

Name of Department / Plant : Sinter Plant, MBF Plant & CPP

Sl. No.	Location	Parameter	Date & Time of Monitoring	Sampling Instrument Used	Effective Volume of Work Place [m ³]	Volume of Air Change/Hr [m ³]	Velocity of Air (m/Min)	Air Change (Times/hour)	Temperature at work Place		Limit	Remarks	Signature of Sampler	Name of Sampler
									Dry Bulb (°C)	Wet Bulb (°C)				
1	Sinter Machine Building 3 rd Floor (Sinter Plant)	Temperature at Work Place	26/02/2025 at 14:10 hrs	Anemometer and Dry Bulb & Wet Bulb Thermometer	-	-	-	-	30.0	22.0	Wet Bulb ≤ 30°C at 1.5 M height	Adequate		S. MONDAL
		Volume of Air Change			4993.9	425065.0	-	85.12	-	-	Vol. of Air Change/hr ≥ Six times of Eff. Vol. of Work Place	Adequate		
		Velocity of Air			-	-	62.0	-	-	-	At least 30 m/min	Adequate		
2	Near MBF (Hot Metal Bay Area)	Temperature at Work Place	26/02/2025 at 15:00 hrs	Anemometer and Dry Bulb & Wet Bulb Thermometer	-	-	-	-	33.0	24.0	Wet Bulb ≤ 30°C at 1.5 M height	Adequate		S. BAIDYA
		Volume of Air Change			3041.3	57125.0	-	18.78	-	-	Vol. of Air Change/hr ≥ Six times of Eff. Vol. of Work Place	Adequate		
		Velocity of Air			-	-	42.0	-	-	-	At least 30 m/min	Adequate		
3	Turbine Hall (CPP)	Temperature at Work Place	26/02/2025 at 15:50 hrs	Anemometer and Dry Bulb & Wet Bulb Thermometer	-	-	-	-	30.0	22.5	Wet Bulb ≤ 30°C at 1.5 M height	Adequate		J. DEV
		Volume of Air Change			2933.9	19575.0	-	6.67	-	-	Vol. of Air Change/hr ≥ Six times of Eff. Vol. of Work Place	Adequate		
		Velocity of Air			-	-	38.0	-	-	-	At least 30 m/min	Adequate		



(J. DEV)
Authorized Signatory



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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/W/24-25/C/629
	Date	: 29.10.2024
	Sample No.	: QLS/MR/W/24-25/629
	Sample Description	: Domestic Waste Water(Domestic Effluent)
	Sample Location	: Canteen Outlet Near Main Gate
	Sample Drawn On	: 05.10.2024
	Date of Performance(s)	: 07.10.2024-21.10.2024
	Sampling Method	: APHA 24th Edition, 2023; 1060 B
	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1	pH at 25°C	APHA 24 th Edition-2023, 4500H+	7.33	5.5 to 9.0	5.5 to 9.0
2	Total Suspended Solid in mg/l	APHA 24 th Edition-2023, 2540D	26	100	600
3	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	80	250	---
4	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	22	30	350
5	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	4.1	10	20

Report Prepared By :

for Qualissure Laboratory Services

Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/W/24-25/C/825
	Date	: 09.12.2024
	Sample No.	: QLS/MR/W/24-25/825
	Sample Description	: Domestic Waste Water(Domestic Effluent)
	Sample Location	: Canteen Outlet Near Main Gate
	Sample Drawn On	: 03.12.2024
	Date of Performance(s)	: 04.12.2024-09.12.2024
	Sampling Method	: APHA 24th Edition, 2023; 1060 B
	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1	pH at 25°C	APHA 24 th Edition-2023, 4500H+	7.51	5.5 to 9.0	5.5 to 9.0
2	Total Suspended Solid in mg/l	APHA 24 th Edition-2023, 2540D	32	100	600
3	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	100	250	---
4	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	28	30	350
5	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	4.7	10	20

Report Prepared By :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/W/24-25/C/1096
M/s. Neo Metaliks Ltd.	Date : 24.02.2025
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/W/24-25/1096
P.S. : Kanksa, Durgapur	Sample Description : Domestic Waste Water(Domestic Effluent)
Paschim Bardhaman	Sample Location : Canteen Outlet Near Main Gate
West Bengal – 713 212	Sample Drawn On : 17.02.2025
	Date of Performance(s) : 18.02.2025-22.02.2025
	Sampling Method : APHA 24th Edition, 2023; 1060 B
	Ref No. Date : 3322000741, Dated : 01.03.2024

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1	pH at 25°C	APHA 24 th Edition-2023, 4500H+	7.57	5.5 to 9.0	5.5 to 9.0
2	Total Suspended Solid in mg/l	APHA 24 th Edition-2023, 2540D	36	100	600
3	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	105	250	---
4	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	26	30	350
5	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	4.5	10	20

Report Prepared By :

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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Idma Laboratories Limited

TEST REPORT

ULR : TC820724700005284F

Lab No.	281124L-FD-013/A			Page No. 1/3
Customer#	Neo Metaliks Limited Gopalpur, Durgapur -713212 West Bengal			
Type of Sample#	Borewell Water			
Customer's Description of Sample#	Borewell Water			
Quantity#	5 Ltr.			
Packing, Markings, Seal & Quantity#	Plastic Can, Location-Near Water Reservoir East Side			
Mode of Collection of Sample	Sample Collected By Idma Lab Person			
Work Order No.#	3324000345	Dated	13/11/2024	
Date of Receipt of Sample	28/11/2024			
Period of Analysis	28/11/2024 To 09/12/2024			
Visual Observation	N/A			
Date of Reporting	09/12/2024			
Testing Protocol	IS 10500:2012 Amdt 1 to 4			

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	<1	Max. 5	Max. 15	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	7.15	6.5-8.5	No Relaxation	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	106.5	Max. 200	Max. 600	IS 3025 (Part 23) : 2023
5	Boron	mg/L	BLQ (LOQ-0.0005)	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	54.1	Max. 75	Max. 200	IS 3025 (Part 40) : 1991
7	Chloride (as Cl)	mg/L	16.6	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Cyanide (as CN)	mg/L	BLQ (LOQ-0.05)	Max. 0.05	No Relaxation	IS 3025 (Part 27) : 1988
9	Fluoride (as F)	mg/L	0.3	Max. 1	Max. 1.5	IS: 3025 (Part 60) : 2008



Idma Laboratories Limited

Idma Corporate Park,

391, industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.inEmail : commercial@idmalab.co.in

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TEST REPORT

ULR : TC820724700005284F

Lab No.		281124L-FD-013/A				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
10	Total Hardness (as CaCO ₃)	mg/L	167.9	Max. 200	Max. 600	IS 3025 (Part 21) : 2009
11	Nitrate (as NO ₃) ⁻	mg/L	3.8	Max. 45	No Relaxation	IS 3025 (Part 34) : 1988
12	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	BLQ (LOQ-0.001)	Max. 0.001	Max. 0.002	IS 3025 (Part 43) sec-1 : 2022
13	Total Dissolved Solids	mg/L	192.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
14	Sulphate (as SO ₄)	mg/L	7.1	Max. 200	Max. 400	IS 3025 (Part 24) : 1986
15	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
16	Ammonia (as total ammonia-N)	mg/L	BLQ (LOQ-0.5)	Max. 0.5	No Relaxation	IS 3025 (Part 34) : 1988
17	Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	0.2 Min.	Min 1	IS 3025 (Part 26) : 2021
18	Cadmium (as Cd)	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	IS 3025 (Part 41) : 2023
19	Copper (as Cu)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
20	Iron (as Fe)	mg/L	0.002	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
21	Lead (as Pb)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 47) : 1994
22	Manganese (as Mn)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
23	Zinc (as Zn)	mg/L	0.005	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
24	Aluminum (as Al)	mg/L	0.001	Max. 0.03	Max. 0.2	IS 3025 (Part 55) : 2003
25	Selenium (as Se)	mg/L	0.001	Max. 0.01	No Relaxation	IS 3025 (Part 56) : 2003 or IS:15303:2003
26	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) : 1994
27	Magnesium (as Mg)	mg/L	7.9	Max. 30	Max. 100	IS 3025 (Part 46) : 2023
28	Total Arsenic (as As)	mg/L	BLQ	Max. 0.01	No Relaxation	IS 3025 (Part 37) : 2022



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TEST REPORT

ULR : TC820724700005284F

Lab No.		281124L-FD-013/A				Page No. 3/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
28			(LOQ-0.0005)			
29	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
	Biological Testing (Water)	--	-	--	--	--
30	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
31	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

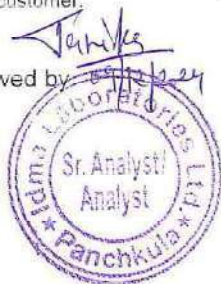
Opinion :

Remarks: The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ: Below Limit of quantification, LOQ: Limit of quantification.

Represents details provided by the customer.

****End of Report****

Reviewed by



Authorised Signatory



Idma Laboratories Limited

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

TEST REPORT

Name & Address of the Customer:	Report No.	: QLS/MR/A/24-25/C/506
M/s. Neo Metaliks Ltd.	Date	: 28.10.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/506(A-D)
P.S. : Kanksa, Durgapur	Date of Performance(s)	: 01.10.2024-09.10.2024
Paschim Bardhaman	Sample Description	: Noise Monitoring
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result of Noise

Sampling Done By : S.Ghosh/P.Mandal						
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)						
Sample No.	Date of Monitoring	Location	Leq dB (A) Day Time	Limit in Leq dB(A) Day time	Leq dB (A) Night Time	Limit in Leq dB(A) Night Time
506A	29-30.09.24	Near Main Gate	60.4	65	48.0	55
506B		Near CPP Cooling Tower	54.6	65	45.5	55
506C	28-29.09.24	Admin. Building	54.7	65	45.0	55
506D		Near PCM Side Building Wall	58.1	65	47.2	55

Report Prepared by :

R. Shome

for Qualissure Laboratory Services
Reviewed & Authorized ByAnupam Mandal, Chemist
(Authorized Signatory)

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

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

TEST REPORT

Name & Address of the Customer: M/s. Neo Metaliks Ltd. Vill + P.O. :Gopalpur P.S. :Kanksa,Durgapur PaschimBardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/669 Date : 09.12.2024 Sample No. : QLS/MR/A/24-25/669(A-D) Date of Performance(s) : 02.12.2024-09.12.2024 Sample Description : Noise Monitoring Ref No. Date : 3322000741, Dated : 01.03.2024
--	--

Analysis Result of Noise

Sampling Done By : S.Ghosh/P.Mandal						
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)						
Sample No.	Date of Monitoring	Location	Leq dB (A) Day Time	Limit in Leq dB(A) Day time	Leq dB (A) Night Time	Limit in Leq dB(A) Night Time
669A	26-27.11.2024	Near Main Gate	58.3	65	47.9	55
669B		Near Old Admin Building	55.7	65	46.1	55
669C	28-29.11.2024	Near CPP	54.2	65	44.9	55
669D	29-30.11.2024	Near PCM Side Building Wall	56.2	65	45.4	55
669E		North-East Boundary Wall	54.9	65	45.9	55

Report Prepared by:

R. Shome

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

TEST REPORT

Name & Address of the Customer:	Report No.	: QLS/MR/A/24-25/C/907
M/s. Neo Metaliks Ltd.	Date	: 03.03.2025
Vill + P.O. :Gopalpur	Sample No.	: QLS/MR/A/24-25/907(A-D)
P.S. : Kanksa,Durgapur	Date of Performance(s)	: 14.02-03.03.2025
Paschim Bardhaman	Sample Description	: Noise Monitoring
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result of Noise

Sampling Done By : B.Mandal/P.Mandal						
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)						
Sample No.	Date of Monitoring	Location	Leq dB (A) Day Time	Limit in Leq dB(A) Day time	Leq dB (A) Night Time	Limit in Leq dB(A) Night Time
907A	11-12.02.2025	Near Main Gate	61.2	65	49.1	55
907B		Near Old Admin Building	56.0	65	47.3	55
907C	12-13.02.2025	Near CPP	57.4	65	46.6	55
907D	13-15.02.2025	Near PCM Side Building Wall	60.0	65	46.9	55
907E		North-East Boundary Wall	57.9	65	46.4	55

Report Prepared by:

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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

**REPORT ON
HEAT STRESS MEASUREMENT**

:: TABLE - 1 ::

**TEST REPORT
ON
HEAT STRESS MEASUREMENT**

Customer Name : **M/s. Neo Metaliks Limited**

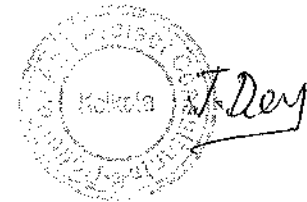
Address : **Gopalpur, Durgapur-713212, West bengal.**

Name of Department / Plant : **Sinter Plant & MBF**

Sl. No.	Location	Date & Time of Monitoring	T _{db} (°C)	T _{nwb} (°C)	T _g (°C)	WBGT(°C)	CAF	WBGT _{eff} (°C)	Metabolic Rate (Watt)	TLV(°C)	Remarks
1	Near Sinter Machine (Sinter M/C Building 3 rd Floor)	26/02/2025 at 2:10 P.M.	30.0	22.0	39.0	26.20	0	26.20	180	31	WBGT _{eff} is below the TLV
2	Near MBF	26/02/2025 at 3:00 P.M.	33.0	24.0	46.0	30.60	0	30.60	180	31	WBGT _{eff} is below the TLV

NOTE: 1) T_{db}: the dry-bulb temperature
 2) T_{nwb}: the natural wet-bulb temperature
 3) T_g= the globe temperature
 4) WBGT_{in}:WBGT for Indoor Environment
 5) CAF: Clothing Adjustment Factors
 6) WBGT_{eff}: WBGT Effective
 7) TLV: Threshold Limit Value

Ref: 1) OSHA Technical Manual Section III: Chapter 4 - Heat Stress



(J. DEY)
Authorized Signatory