

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

Proposal No	IA/WB/IND/260820/2007
Compliance ID	112756284
Compliance Number(For Tracking)	EC/M/COMPLIANCE/112756284/2024
Reporting Year	2024
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	30-11-2024
RO/SRO Name	ARTATRANA MISHRA
RO/SRO Email	jhk109@ifs.nic.in
State	WEST BENGAL
RO/SRO Office Address	Integrated Regional Offices, Kolkata

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

Ref: NML-DGP/ENV/24/040

Date- 29/11/2024

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 (April'2024 to Sept'2024) 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 (April'24 to Sept'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: April'2024 to September'2024

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.	<p>Complied</p> <p>The Analysis report of sample collected from Rainwater reservoir has been attached as Annexure-1.</p>
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.	<p>Being Complied</p> <ol style="list-style-type: none"> 1. Green belt development is our ongoing activity. Extensive tree plantation is being carried out every year in all open spaces available in and around the plant premises. 2. As on 31.03.2024, a total of 30,323 nos. of saplings have been planted with native species covering 34.7% of the area. 3. Also in FY 2024-25, 3800 Nos of saplings are proposed to be planted in surrounding villages and plantation work is under progress. Report and photographs will be sent along with the Next Six-monthly Compliance Report. 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. 5. The detailed green belt development report in CPCB tabular format is enclosed as Annexure- 2 (a).
A (iii)	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	<p>Being Complied</p> <p>Greenery has been developed along the roadside and in open unused areas. Some snapshots are enclosed as Annexure- 2(b). Plant internal roads, vehicle movement areas and workplaces are developed with concreted/paved and landscaping for horticulture development is being carried out. We've obtained Consent to Established (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. So, construction of more roads shall be done in a phase wise manner during expansion activity.</p>

Sr. no.	A. Specific Conditions	Compliance Status
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.	<p>Complied</p> <p>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-3</p> <p>In addition to this, Ambient air quality monitoring has been carried out on a bimonthly basis by NABL accredited external agency at five different locations inside plant premises. Data of ambient air quality is being submitted regularly through Half-yearly compliance report. The monitoring reports for the duration April'24 to September'24 are enclosed as Annexure -4.</p>
A (v)	PP shall provide RO plant as tertiary treatment facility to ensure reuse of treated wastewater to an extent of 700 KL.	<p>Being Complied</p> <p>At present, treated wastewater is being reused inside the plant. RO plant as tertiary treatment facility will be installed post commissioning of STP & ETP. For Primary & Secondary treatment plant, work is under progress.</p>
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.	<p>Being Complied</p> <p>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.</p> <p>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.</p> <p>Plantation work- 3800 nos. of saplings have been planted in the surrounding villages, local schools, village football grounds etc. are under progress for FY 2024-25. Report and Photographs will be sent in Next Six-monthly compliance report.</p>

Sr. no.	A. Specific Conditions	Compliance Status
A (vii)	<p>Following additional arrangements to control fugitive dust shall be provided:</p> <p>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.</p> <p>b. Proper covered vehicle shall be used while transport of materials.</p> <p>c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.</p>	<p>Being Complied</p> <p>Following additional arrangements have been provided to control fugitive dust.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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 and will be updated in next half yearly compliance report.</p>
A (viii)	<p>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.</p>	<p>Noted and being complied</p>
A (ix)	<p>Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.</p>	<p>We've obtained Consent to Established (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. So, installation of all pollution control systems is under establishment phase. However, Performance test is being conducted on existing pollution control systems and report has been submitted along with October'23 to March'24 Six monthly Compliance report for the FY 2023-24.</p> <p>For FY 2024-25, Performance Test is being planned and report will be sent in Next Six-Monthly Compliance Report.</p>

Sr. no.	A. Specific Conditions	Compliance Status
A (x)	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ .	<p>Noted & Being Complied.</p> <p>Our project is under establishment phase.</p>
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.	<p>Being Complied</p> <p>Installation and commissioning of Dry Gas Cleaning Plant with complete package which includes stove waste heat recovery, cast house and stock house ventilation system are under progress. The order copy is enclosed as Annexure-5. Slag granulation pit work is completed</p>
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.	<p>Being Complied</p> <p>Complied for existing sinter plant. Report for Existing plant annexed as Annexure-6(a). The project is in its establishment phase.</p>
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.	<p>Noted and Being Complied</p> <p>This shall be complied during installation of rolling mill, RHF within plant premises.</p>

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 <ol style="list-style-type: none"> 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-6. 4. Three numbers of Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters have been installed. 5. CAAQMS are registered with CPCB portal and data mapping to CPCB online servers are under process and final status report will be sent in next six-monthly Compliance report.
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 <p>Fugitive emissions are being regularly monitored in the plant premises (at work environment) by NABL accredited laboratory on a bi-monthly basis. Testing report is enclosed as Annexure-7.</p>

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.	<p>Complied</p> <ol style="list-style-type: none"> 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. <p>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</p>

Sr. no.	B. General Conditions	Compliance Status
		Annexure-6 & Annexure-7 respectively.
B.II (iv)	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	<p>Being Complied</p> <p>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. Bag filter leakage detection system shall also be installed during project execution stage.</p>
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.	<p>Complied</p> <p>Iron ore fines, coke fines and flue dust collected from the pollution control devices are recycled back and reused in Sinter Plant.</p>
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.	<p>Being complied</p> <p>A fume extraction system has been installed in the existing blast furnace cast house. However, the project is under establishment phase. So primary and secondary fume extraction system is being taken care of in MBF upgradation project.</p>
B.II (viii)	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	<p>Complied</p> <p>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 submitted along with EC compliance for the</p>

Sr. no.	B. General Conditions	Compliance Status
		duration Oct'23 to March'24. Next report will be submitted along with Next compliance report.
B. III	Water quality monitoring and preservation	
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.	<p>Being complied</p> <p>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.</p> <p>We've obtained Consent to Established (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. Our project is in the establishment phase.</p> <p>The effluent water is being monitored regularly through NABL accredited laboratory and the reports are enclosed as Annexure-8.</p>
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 Pre-monsoon Testing report is enclosed as Annexure-9 .
B.III (iii)	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	<p>Being Complied</p> <p>75 KLD Sewage Treatment Plant is going to be installed & commissioned prior to completion of expansion project activities.</p>
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.	<p>Noted and Being Complied.</p> <p>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.</p>

Sr. no.	B. General Conditions	Compliance Status
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.	<p>Complied</p> <p>Garland drains and collection pits are provided to arrest the run-off water in the event of heavy rains.</p> <p>A pond (7157 m²) is present within the project site is a rainwater reservoir.</p> <p>Apart from above, we have made five roof-top rainwater harvesting reservoirs of capacities 40m³, 18m³, 43.75m³, 75m³ and 43.75m³ respectively at the following locations-</p> <ul style="list-style-type: none"> • Near Admin building. • At MBF area. • CPP cooling tower area. • Rainwater harvesting sump near Temple. • Sinter plant pump house area. <p>and the harvested rainwater is being used in process, plantation, dust suppression and indirect cooling applications wherever possible.</p> <p>We have augmented the existing Sumps where runoff within the plant is collected. This water is being utilized in the plant for cooling and dust suppression during lean season.</p>
B.III (vi)	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	<p>Being Complied</p> <p>At present, our entry and exit gate is common. So, provision for one Wheel washing mechanism with complete recirculation system has been proposed in FY 2024-25 near main gate location and status will be updated in next half yearly compliance report.</p>
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.	<p>Complied</p> <p>The noise quality is being monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 by NABL accredited laboratory on bi-</p>

Sr. no.	B. General Conditions	Compliance Status
		monthly basis. The monitoring reports are enclosed as Annexure- 10.
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.	<p>Complied and progressive</p> <p>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.</p>
B. VI	Waste Management	
B.VI (i)	Used refractories shall be recycled.	<p>Noted and Being Complied</p> <p>During the period of April'24 to Sept'24, no Broken refractories mass generated.</p>
B.VI (ii)	Kitchen waste shall be composted or converted to biogas for further use.	<p>Complied</p> <p>Kitchen Waste composting machine is installed near canteen. The bio-compost is utilized in gardening, vegetation, and plantation activities. A total of 672 Kg compost has been generated from 780 Kg of canteen waste & utilized as manure during the period April'24 to Sept'24.</p>
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 including carbon sequestration including plantation.	<p>Being Complied</p> <p>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.</p>

Sr. no.	B. General Conditions	Compliance Status
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.	The study report on De-carbonization program has been submitted through last half yearly compliance report for the period Apr'23-Sept'23.
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.	<p>Complied</p> <p>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 & is being implemented. Emergency preparedness & Response Plan has been submitted along with half yearly compliance report for the period Apr'23-Sept'23.</p>
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.	<p>Complied</p> <p>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 submitted during the last Six-monthly Compliance Report for FY 2023-24.</p> <p>For FY 2024-25, the report will be submitted in next six-monthly compliance report.</p> <p>Personal Protection Equipment (PPE) like FR suits, Full face helmets, Leg guards, Leather Hand gloves, Nitrile sole safety shoes have been provided</p>

Sr. no.	B. General Conditions	Compliance Status
		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. Last Occupational health surveillance of the workers has been conducted in the month of August 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, Rupanja, 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.	<p>Being Complied</p> <p>As part of Corporate Environment Responsibility (CER) activity, the socio-economic development/ community developmental activities are being carried out by the company.</p> <p>Detailed status for FY 2024-25 will be submitted in Next Six-monthly Compliance report.</p>
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.	<p>Complied</p> <p>As our organization is ISO:14001 & 45001 certified, so well-defined Environmental policy is there. The copy of certificates has been submitted along with EC compliance for the duration Oct'23 to March'24.</p>

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.	Noted
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 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 is 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. 31.05.2024 for the period October'23 to March'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.	Noted
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




Signature

Annexure-1



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/230
	Date	: 22.06.2024
	Sample No.	: QLS/MR/W/24-25/230
	Sample Description	: Surface Water
	Sample Mark	: Reservoir Water
	Date of Drawn On	: 15.06.2024
	Sample Performance	: 17.06.2024 – 22.06.2024
	Sampling Method	: IS 17614(P-1, P-5 & P-25) 2021 & 2022
	Ref No. Date	: Verbal Confirmation

Analysis Result

(A) Chemical Analysis

Sl. No.	Test Parameter	Test Method	Limit as per CPCB for discharge of effluents		Result
			Inland Surface Water	Public Sewers	
1.	pH Value at 25°C	IS 3025 (Part 11)- 2022	5.5 to 9.0	5.5 to 9.0	7.28
2.	Turbidity in NTU	IS 3025 (Part 10)- 2023	---	---	<1.0
3.	Total Dissolved Solids (TDS) in mg/l	IS 3025 (Part 16): 2023	---	---	218
4.	Calcium (as Ca) in mg/l	IS 3025 (Part 40): 1991(RA 2019)	---	---	34.1
5.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	---	---	41.1
6.	Fluoride (as F) in mg/l	APHA 24th Edition-2023, 4500 F D	2.0	15	1.09
7.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 2003(RA 2019)	3	3	0.17
8.	Magnesium (as Mg) in mg/l	APHA 24th Edition- 2023,3500 Mg B	---	---	11.2
9.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec 1, 2022	---	---	31.5
10.	Alkalinity (as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	---	---	78.4
11.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA – 2019)	---	---	131.9
12.	Sodium (as Na) in mg/l	APHA 24th Edition- 2023, 3500Na – B	---	---	18.2
13.	Reactive Silica (SiO ₂) in mg/l	APHA 24th Edition-2023, 4500 SiO ₂ C	---	---	22.3
14.	Colloidal Silica (SiO ₂) in mg/l	APHA 24th Edition-2023, 4500 SiO ₂ C	---	---	6.9
15.	Phosphate (as PO ₄) in mg/l	APHA 24th Edition-2023, 4500P-D	---	---	0.2
16.	Electrical Conductivity in mS/cm at 25 °C	APHA 24th Edition-2023, 2510B	---	---	389

Report Prepared By:

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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Annexure-2

Annexure-2



Annexure-2(a)

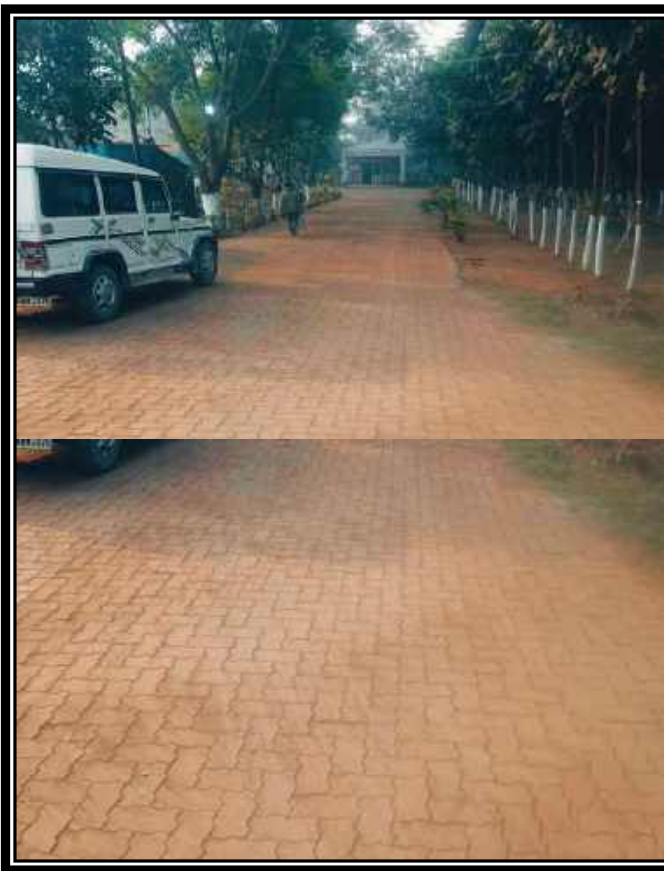
ANNEXURE- 2(a)

Green Belt Development Report

No. of Saplings Planted	Name of Species Planted	Area covered Under Plantation	Survival Rate	Density	Area Under Plantation in Numerical form	Percentage of Project Area
30323 Nos. (Planted as on Dt.31-03-2024)	Sonajuri, Jamul, Arjun, Kadamb, Karanj, Simarua, Chhatiana, Radhachur etc	Approx. 31 Acre	Approx. 92 %	Approx. 1000 Nos of Saplings in 1 Acre	Approx. 31 Acre	34.7%

Annexure-2(b)

ANNEXURE- 2(b)



Annexure-3

Annexure-3

CAAQMS-1: Near Temple



CAAQMS-2: Near Water Reservoir



CAAQMS-3: Near DVC sub-station area.



Annexure-4



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/A/23-24/C/175 Date : 03.06.2023 Sample No. : QLS/A/23-24/175 Date of Performance(s) : 26.05.2023-02.06.2023 Sample Description : Ambient Air Ref No. Date : W122505-006, Dated:05.05.2022
---	---

Analysis Result

Location: Near Main Gate		Date of sampling : 22.05-23.05.2023		
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Drizzling				
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), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	48	60	USEPA CFR-40, Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.6	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	29.8	80	IS: 5182 (Part-6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	732	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	11.2	400	Air Sampling, 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.05	1	EPA IO-3.2 & 5.0
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



(Signature)

(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/ A/23 24/C/176
	Date	: 03.06.2023
	Sample No.	: QLS/ A/23-24/176
	Date of Performance(s)	: 26.05.2023-02.06.2023
	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006,Dated:05.05.2022

Analysis Result

Location: P.C.M Boundary Wall		Date of sampling : 22.05-23.05.2023		
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Drizzling				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	91	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	7.1	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.3	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	709	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	15.7	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.04	1	EPA IO-3.2 & 5.0
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



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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/A/23-24/C/177
	Date	: 03.06.2023
	Sample No.	: QLS/A/23-24/177
	Date of Performance(s)	: 26.05.2023-02.06.2023
	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006,Dated:05.05.2022

Analysis Result

Location: C.P.P		Date of sampling : 23.05.2023-24.05.2023		
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Heavy Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	58	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	23	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.0	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.4	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	641	2000	IS: 5182 (Part-10):1999,RA 2014
6	Ammonia (NH ₃) in µg/m ³	13.6	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Ssheena

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(Benimadhab Gorai, Chemist)
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TEST REPORT

Name & Address Of the Customer:	Report No.	: QLS/A/23-24/C/178
M/s. Neo Metaliks Ltd.	Date	: 03.06.2023
Vill+ P.O. : Gopalpur	Sample No.	: QLS/A/23-24/178
P.S. : Kanksa,Durgapur	Date of Performance(s)	: 26.05.2023-02.06.2023
Paschim Bardhaman	Sample Description	: Ambient Air
West Bengal – 713 212	Ref No. Date	: W122505-006, Dated:05.05.2022

Analysis Result

Location: Near Administrative Building		Date of sampling : 23.05.2023-24.05.2023		
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Heavy Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	71	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	39	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.2	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.0	80	IS: 5182 (Part-6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	801	2000	IS: 5182 (Part-10):1999,RA 2014
6	Ammonia (NH ₃) in µg/m ³	20.8	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0

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

Report Prepared by :

R. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

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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/A/23-24/C/179
	Date	: 03.06.2023
	Sample No.	: QLS/A/23 24/179
	Date of Performance(s)	: 26.05.2023-02.06.2023
	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006,Dated:05.05.2022

Analysis Result

Location: North East Boundary Wall		Date of sampling : 24.05.2023-25.05.2023		
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Light Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	64	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	28	60	USEPA CFR 40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.3	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.9	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	629	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	<10.0	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

Report Prepared by :

R. Shoma

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(Benimadhab Gorai, Chemist)
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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/371 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/371 Date of Performance(s) : 26.07.2024-03.08.2024 Sample Description : Ambient Air Ref No. Date : 3322000741, Dated : 01.03.2024
---	--

Analysis Result

Location: Near Main Gate		Date of sampling : 20-21.07.2024		
Sampling Done by: S.Ghosh/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	55	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	29	60	USEPA CFR-40, Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	5.4	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	26.8	80	IS: 5182 (Part- 5)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	503	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	12.3	400	Air Sampling, 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	<19.62	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 :

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Reviewed & Authorized By

Benimadhab Gorai, Chemist
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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/372
	Date	: 03.08.2024
	Sample No.	: QLS/MR/A/24-25/372
	Date of Performance(s)	: 26.07.2024-03.08.2024
	Sample Description	: Ambient Air
	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result

Location: Near Admin Building		Date of sampling : 20-21.07.2024		
Sampling Done by: S.Ghosh/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	40	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	17	60	USEPA CFR-40, Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	5.7	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	25.4	80	IS: 5182 (Part-6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	446	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	18.4	400	Air Sampling, 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	<19.62	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 :

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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/373 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/373 Date of Performance(s) : 26.07.2024-03.08.2024 Sample Description : Ambient Air Ref No. Date : 3322000741, Dated : 01.03.2024
--	--

Analysis Result

Location: North East Boundary Wall		Date of sampling : 22-23.07.2024		
Sampling Done by: S.Ghosh/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	36	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in $\mu\text{g}/\text{m}^3$	15	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	4.9	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	22.7	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	378	2000	IS: 5182 (Part-10)-1999, RA-2014
6	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	<10.0	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in $\mu\text{g}/\text{m}^3$	<19.62	180	Air Sampling , 3 rd Edn -Method-411
8	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<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 $\mu\text{g}/\text{m}^3$	<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 :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
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TEST REPORT

Name & Address Of the Customer: M/s. Neo Metaliks Ltd. VIII + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/374 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/374 Date of Performance(s) : 26.07.2024-03.08.2024 Sample Description : Ambient Air Ref No. Date : 3322000741, Dated : 01.03.2024
---	--

Analysis Result

Location: PCM Boundary Wall		Date of sampling : 22-23.07.2024		
Sampling Done by: S.Ghosh/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	82	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	30	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	26	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	755	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	<10.0	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	<19.62	180	Air Sampling , 5 th 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	4.2	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 :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
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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/375 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/375 Date of Performance(s) : 26.07.2024-03.08.2024 Sample Description : Ambient Air Ref No. Date : 3322000741, Dated : 01.03.2024
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Analysis Result

Location: Near CPP		Date of sampling : 23-24.07.2024		
Sampling Done by: S.Ghosh/P.Mandal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Rainfall				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	32	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	19	60	USEPA CFR-40, Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.6	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	24.8	80	IS: 5182 (Part-6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	446	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	11.6	400	Air Sampling, 3 rd Edn -Method-401
7	Ozone (O ₃) in µg/m ³	<19.62	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 :

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/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

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)

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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/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 $\mu\text{g}/\text{m}^3$	94	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in $\mu\text{g}/\text{m}^3$	52	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	8.0	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	34.4	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	938	2000	IS: 5182 (Part-10):1999, RA-2014
6	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	17.8	400	Air Sampling , 3 rd Edn -Method-401
7	Ozone (O ₃) in $\mu\text{g}/\text{m}^3$	27.7	180	Air Sampling , 3 rd Edn -Method-411
8	Lead (Pb) in $\mu\text{g}/\text{m}^3$	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 407 and APHA 232 nd Edition Part 3114B
11	Benzene (C ₆ H ₆) in $\mu\text{g}/\text{m}^3$	<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. Ghose

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 Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/502 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/502 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 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. Sharma

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 Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/A/24-25/C/503
	Date	: 28.10.2024
	Sample No.	: QLS/MR/A/24-25/503
	Date of Performance(s)	: 01.10.2024-09.10.2024
	Sample Description	: Ambient Air
	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. Shome

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 Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/A/24-25/C/504
	Date	: 28.10.2024
	Sample No.	: QLS/MR/A/24-25/504
	Date of Performance(s)	: 01.10.2024-09.10.2024
	Sample Description	: Ambient Air
	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. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)



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Annexure-5

PURCHASE ORDER

NML/BGTG/MBF-03/03062022

Dated: 06th June, 2022

To,
M/s Beijing Global Technotrade Group (BGTG).
(herein after referred to as "Supplier")
Room no 763, Poly Plaza, No.14 Dongzhimen South Street,
Dongcheng District,
Beijing 100027, China

Email: john@sinoindia.cn

Kind Attn: Mr. Carson John-Director (+86-13810934838)

Subject: Purchase Order for Design, Engineering, Manufacturing, Supply of DRY Gas Cleaning Plant (GCP) - 1 Set on FOB China basis including the Supervision Services, Successful Commissioning Spares & 2-Years spares for **"268 m3 Blast Furnace required at our Neo Metaliks Limited (herein after referred to as "Purchaser")"**, Durgapur Plant.

References:-

- 1/ Our Enquiry 18th October '21 & your offer dtd 22nd October '2021.
- 2/ Your revised technical and commercial proposal dtd 28th October 2021 & email dtd 20th Nov' 2021.
- 3/ Various correspondences & techno-commercial proposals & Our Comments dtd. 1st Dec' 2021.
- 4/ Revised Offer Dtd. 17th Dec'2021 & DRY GCP parameter tabulation dtd. 20th Dec'2021.
- 5/ Technical and Commercial offer dtd. 4th Jan'2022 & reference list of DRY GCP dtd.8th Jan'2022.
- 6/ Various Commercial offer dtd.08.03.22, 28.03.22, 02.04.2022, 16.04.2022 & 26.04.2022
- 7/ Scope Matrix confirmation vide email dtd. 2nd April'2022, discussions ending with commercial finalization over VC with our CFO on 5th May'2022. Finally, your e mail confirmation dtd. 6thMay' 2022.

Dear Sirs,

With reference to above subject & based on our various discussions ending with final commercial email dated 6th May'2022 as referred above, we are pleased to issue the Purchase Order for Design, Engineering, Manufacturing, Supply of DRY Gas Cleaning Plant (GCP) - 1 Set "on FOB China basis including the Supervision Services,

Commissioning Spares and 2-Years spares for "268 m3 Blast Furnace required at Neo Metaliks Limited (herein after referred to as "Purchaser"), Durgapur Plant.

The broad terms & conditions are detailed below:-

A. SCOPE OF WORK:

Scope of work shall include broadly following but not limited to:-

"Design, Engineering, Manufacturing, Supply of DRY GCP – 1 Set on FOB China basis including Commissioning Spares along with 2-Years Spares required at our Neo Metaliks Limited, (herein after referred to as "Purchaser"), Durgapur Plant.

Detailed Scope of work, Specifications of the Equipment's & Scope of supply along with other Documents required shall be as per "Annexures" mentioned below.

Any supplies / scope of work in Annexure(s) not specifically mentioned herein but required to complete facility of DRY GCP will be in Supplier's scope in order to achieve the agreed guaranteed parameter of DRY GCP and its successful commissioning.

The quantity indicated in the various corresponding references (mention above) is minimum indicative and any additional quantity or any additional scope / items during detailed engineering which is required for completing the scope as agreed to achieve guaranteed performance shall be in Supplier's account.

Spares: (i) Commissioning Spares (ii) 2 Years Spares

Supplier shall supply required commissioning spares along with equipment supply. Supplier further agreed that in case any of the 2-Years O & M spares are consumed during commissioning (if ordered by Purchaser later), it shall be replaced without any cost to Purchaser.

Supervision Service: All supervision services required during erection, testing, commissioning and performance guarantee test till the period Final Acceptance Certificate will be issued by the Purchaser to the Supplier. Supplier shall also undertake to provide required training to Purchaser's personnel for smooth operation and maintenance of the Equipment.

B. CONTRACT PRICE:

Total price for the above scope of work as detailed (in Clause A above and Annexures) shall be USD 1,100,000 (In Words US Dollar One Million One Hundred Thousand only)" on FOB, China Port basis.

Price Break up:

1. Supply price on FOB, China Port Basis – USD 1,100,000 (In Words US Dollar One Million One Hundred Thousand only)"

1.1	Supply Value (FOB, China Port Basis)	: USD 1,100,000
1.2	Packing & Forwarding (Sea Worthy & Multiple Handling)	: Inclusive in above Price
1.3	Commissioning Spares	: Inclusive in above Price
1.4	Supervision Services	: Inclusive in above Price
1.5	2-Years spares	: Inclusive in above Price
	Total Contract Price	: USD 1,100,000

Annexure-6



Qualissure Laboratory Services

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



DOC NO : QLS//SAMP/0R-R/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/23-24/C/186
	Date	: 03.06.2023
	Sample No.	: QLS/MR/A/23-24/186
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.05.2023 02.06.2023
	Sample Mark	: CPP
	Ref No. Date	: W122505-006,Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 22.05.2023 at 12:40	Sampling Procedures : EPA/IS	
Sampling done by : P.Mandal		
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)	: 144	EPA Part 2
2 Barometric pressure (mm of Hg)	: 759	EPA Part 2
3 Velocity of gas (m/sec)	: 9.62	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 38044	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 6.2	IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 18.1	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 33.2	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 15	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack	: Nil	
F :Remarks : Nil		

Report Prepared by :

R. Shama

for Qualissure Laboratory Services

Reviewed & Authorized By



(Benimadhab Gorai, Chemist)
(Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/A/23-24/C/187
	Date	: 03.06.2023
	Sample No.	: QLS/A/23-24/187
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.05.2023-02.06.2023
	Sample Mark	: Sinter Plant (Head ESP)
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 22.05.2023 at 13:05 Sampling done by : P.Mandal	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 Stack :		
1 Fuel used : BF Gas	2. Fuel consumption : 3500 Nm ³ /hr	
D : Results of Sampling & Analysis of gaseous Emission :		
1 Temperature of emission (°C)	: 159	EPA Part 2
2 Barometric pressure (mm of Hg)	: 759	EPA Part 2
3 Velocity of gas (m/sec)	: 11.78	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 111058	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Ref: 2017
6 Concentration of Carbon dioxide (%)	: 5.4	IS:13270-1992, Ref: 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 38.1	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 52.4	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 50	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



B. Gorai

(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/A/23-24/C/188
M/s. Neo Metaliks Ltd.	Date : 03.06.2023
Vill + P.O. : Gopalpur	Sample No. : QLS/A/23-24/188
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance : 26.05.2023-02.06.2023
West Bengal – 713 212	Sample Mark : Sinter Plant (Tail ESP)
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 22.05.2023 at 13:45	Sampling Procedures : EPA/IS	
Sampling done by : P.Mandal		
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)	: 95	EPA Part 2
2 Barometric pressure (mm of Hg)	: 759	EPA Part 2
3 Velocity of gas (m/sec)	: 9.43	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 86254	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 8.8	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 30.0	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 69	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



(Signature)

(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/A/23-24/C/189
	Date	: 03.06.2023
	Sample No.	: QLS/A/23-24/189
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 25.05.2023-07.06.2023
	Sample Mark	: Vertical Roller Mill through Bag Filter
Ref No. Date	: W122505-006, Dated: 05.05.2022	

Analysis Result

Date & Time of Sampling : 22.05.2023 at 14:30 Sampling done by : P.Mandal	Sampling Procedures : EPA/IS	
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)	: 83	EPA Part 2
2 Barometric pressure (mm of Hg)	: 759	EPA Part 2
3 Velocity of gas (m/sec)	: 14.92	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 23750	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 4.6	IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 18.9	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 27	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack	: Bag Filter	
F : Remarks : Nil		

Report Prepared by :

R. Sharma

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. VIII + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/A/23-24/C/190
	Date	: 03.06.2023
	Sample No.	: QLS/A/23-24/190
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.05.2023-02.06.2023
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 23.05.2023 at 12:05	Sampling Procedures : EPA/IS	
Sampling done by : C.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 :		
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)	: 180	EPA Part 2
2 Barometric pressure (mm of Hg)	: 759	EPA Part 2
3 Velocity of gas (m/sec)	: 10.76	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 104805	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 7.4	IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 40.9	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 47.1	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 34	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. Shaha

for Qualissure Laboratory Services

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Benimadhab Gorai

(Benimadhab Gorai, Chemist)

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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/A/23-24/C/191
	Date	: 02.06.2023
	Sample No.	: QLS/A/23-24/191
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.05.2023-02.06.2023
	Ref No. Date	: W122505-06, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 23.05.2023 at 12:45		Sampling Procedures : EPA/IS	
Sampling done by : P.Mandal			
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 : 276 lit/hr	
D : Results of Sampling & Analysis of gaseous Emission :			
	Result	Method	LIMIT
1 Temperature of emission (°C)	: 240	EPA Part 2	---
2 Barometric pressure (mm of Hg)	: 759	EPA Part 2	---
3 Velocity of gas (m/sec)	: 18.19	EPA Part 2	---
4 Quantity of gas flow (Nm ³ /hr)	: 1867	EPA Part 2	---
5 Concentration of Carbon monoxide(mg/Nm ³)	: 79.7 at 15% O ₂	IS:13270-1992, Reaf : 2017	150
6 Concentration of Carbon dioxide(%v/v)	: 5.6	IS:13270-1992, Reaf : 2017	---
7 Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6	710
8 Concentration of Oxides of Nitrogen (ppm)	: 10.9 at 15% O ₂	EPA Part-7	100
9 Concentration of Particulate Matters (mg/Nm ³)	: 41.2 at 15% O ₂	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

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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/A/23-24/C/192
	Date	: 03.06.2023
	Sample No.	: QLS/A/23-24/192
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 25.06.2023-02.06.2023
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 23.05.2023 at 13:15	Sampling Procedures : EPA/IS		
Sampling done by : P.Mandal			
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)	: 230	EPA Part 2	---
2 Barometric pressure (mm of Hg)	: 759	EPA Part 2	---
3 Velocity of gas (m/sec)	: 14.29	EPA Part 2	---
4 Quantity of gas flow (Nm ³ /hr)	: 1495	EPA Part 2	---
5 Concentration of Carbon monoxide(mg/Nm ³)	: 83.2 at 15% O ₂	IS:13270-1992, Reaf : 2017	150
6 Concentration of Carbon dioxide(%v/v)	: 4.6	IS:13270-1992, Reaf : 2017	---
7 Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6	710
8 Concentration of Oxides of Nitrogen (ppm)	: 12.4 at 15% O ₂	EPA Part-7	100
9 Concentration of Particulate Matters (mg/Nm ³)	: 41 at 15% O ₂	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

(Benimadhab Gorai, Chemist)

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TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/364
M/s. Neo Metaliks Ltd.	Date	: 03.08.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24-25/364
P.S. : Kanksa, Durgapur	Sample Description	: Stack Flue Gas
Paschim Bardhaman	Date of Performance(s)	: 26.07.2024-03.08.2024
West Bengal – 713 212	Ref No. Date	: 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 22.07.2024 at 12:00 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)	: 148	EPA Part 2
2 Barometric pressure (mm of Hg)	: 749	EPA Part 2
3 Velocity of gas (m/sec)	: 11.83	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 112923	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6 Concentration of Carbon dioxide (%)	: 6.0	IS:13270-1992, Reaf : 2019
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 57.1	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 31.1	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 43	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: ESP
F : Remarks : Nil		

Report Prepared by :

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Benimadhab Goral, Chemist
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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. VIII + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/A/24-25/C/366
	Date	: 03.08.2024
	Sample No.	: QLS/MR/A/24-25/366
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.07.2024-03.08.2024
	Ref No. Date	: 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 22.07.2024 at 14:00 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)	: 225	EPA Part 2
2	Barometric pressure (mm of Hg)	: 749	EPA Part 2
3	Velocity of gas (m/sec)	: 15.82	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1650	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 74.3 at 15% O ₂	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide(%v/v)	: 5.0	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 10.6	EPA Part-6
8	Concentration of Oxides of Nitrogen (ppm)	: 10.2 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 28 at 15% O ₂	EPA Part 5
			LIMIT

			150

			710
			75
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F : Remarks : Nil			

Report Prepared by :

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Benimadhab Gorai, Chemist
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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/367
	Date	: 03.08.2024
	Sample No.	: QLS/MR/A/24-25/367
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.07.2024-03.08.2024
	Ref No. Date	: 3322000741, Dated: 01.03.2024

Analysis Result

Date & Time of Sampling : 22.07.2024 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	LIMIT
1 Temperature of emission (°C)	: 238	EPA Part 2	----
2 Barometric pressure (mm of Hg)	: 749	EPA Part 2	----
3 Velocity of gas (m/sec)	: 19.22	EPA Part 2	----
4 Quantity of gas flow (Nm ³ /hr)	: 1954	EPA Part 2	----
5 Concentration of Carbon monoxide(mg/Nm ³)	: 77.2 at 15% O ₂	IS:13270-1992, Reaf : 2019	150
6 Concentration of Carbon dioxide(%v/v)	: 4.6	IS:13270-1992, Reaf : 2019	----
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 12.2	EPA Part-b	----
8 Concentration of Oxides of Nitrogen (ppm)	: 11.9 at 15% O ₂	EPA Part-7	710
9 Concentration of Particulate Matters (mg/Nm ³)	: 41 at 15% O ₂	EPA Part 5	75
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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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. VIII + P.O. : Gopalpur P.S. : Kanksa,Durgapur Paschim Bardhamani West Bengal – 713 212	Report No.	: QLS/MR/A/24-25/C/368
	Date	: 03.08.2024
	Sample No.	: QLS/MR/A/24 25/368
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.07.2024-03.08.2024
	Ref No. Date	: 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 22.07.2024 at 15:40 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)	: 749	EPA Part 2
3 Velocity of gas (m/sec)	: 16.49	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 25603	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)	: 12.3	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 :

for Qualissure Laboratory Services
 Reviewed & Authorized By

Benimadhab Gorai, Chemist
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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/369
	Date	: 03.08.2024
	Sample No.	: QLS/MR/A/24 25/369
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 26.07.2024-03.08.2024
	Ref No. Date	: 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 23.07.2024 at 10:10 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)	: 749	EPA Part 2
3 Velocity of gas (m/sec)	: 12.52	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 46512	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)	: 76.1	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 46.9	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 63	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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TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/MR/A/24-25/C/370
M/s. Neo Metaliks Ltd.	Date : 03.08.2024
Vill + P.O. : Gopalpur	Sample No. : QLS/MR/A/24-25/370
P.S. : Kanksa, Durgapur	Sample Description : Stack Flue Gas
Paschim Bardhaman	Date of Performance(s) : 26.07.2024-03.08.2024
West Bengal – 713 212	Ref No. Date : 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 23.07.2024 at 11:30 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)	: 136	EPA Part 2
2 Barometric pressure (mm of Hg)	: 749	EPA Part 2
3 Velocity of gas (m/sec)	: 11.55	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 122963	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2019
6 Concentration of Carbon dioxide (%)	: 3.6	IS:13270-1992, Reaf : 2019
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 19.0	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 29.2	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 18	FPA Part 5
E : Pollution :		
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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TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/MR/A/24-25/C/365
M/s. Neo Metaliks Ltd.	Date	: 03.08.2024
Vill + P.O. : Gopalpur	Sample No.	: QLS/MR/A/24 25/365
P.S. : Kanksa, Durgapur	Sample Description	: Stack Flue Gas
Paschim Bardhaman	Date of Performance(s)	: 26.07.2024-03.08.2024
West Bengal – 713 212	Ref No. Date	: 3322000741,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 22.07.2024 at 13:10 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)	: 85	EPA Part 2
2 Barometric pressure (mm of Hg)	: 749	EPA Part 2
3 Velocity of gas (m/sec)	: 8.91	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 82734	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270 1992, Reaf : 2019
6 Concentration of Carbon dioxide (%)	: 2.2	IS:13270-1992, Reaf : 2019
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 8.2	EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 19.9	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 30	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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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 : 3322000/41,Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 03.10.2024 at 14:10 Hrs. Sampling done by : S.Ghosh	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 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
 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 Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/A/24-25/C/512
	Date	: 28.10.2024
	Sample No.	: QLS/MR/A/24-25/512
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 05.10.2024-22.10.2024
	Ref No. Date	: 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 01.10.2024 at 11:25 Hrs. Sampling done by : S.Ghosh	Sampling Procedures : EPA/IS	
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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TEST REPORT

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

Analysis Result

Date & Time of Sampling : 03.10.2024 at 15:40 Hrs. Sampling done by : S.Ghosh	Sampling Procedures : EPA/IS		
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)	: 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	150
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	710
9 Concentration of Particulate Matters (mg/Nm ³)	: 30 at 15% O ₂	EPA Part 5	75
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F :Remarks : Nil			

Report Prepared by :

R. Joshi

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	LIMIT
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	150
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	710
9 Concentration of Particulate Matters (mg/Nm ³)	: 47 at 15% O ₂	EPA Part 5	75
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F :Remarks : Nil			

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/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. Sharma

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 Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/A/24-25/C/516
	Date	: 28.10.2024
	Sample No.	: QLS/MR/A/24-25/516
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 05.10.2024-28.10.2024
	Ref No. Date	: 3322000741, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 01.10.2024 at 10:30 Hrs. Sampling done by : S.Ghosh	Sampling Procedures : EPA/IS	
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. Jona

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 Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/A/24-25/C/517
	Date	: 28.10.2024
	Sample No.	: QLS/MR/A/24-25/517
	Sample Description	: Stack Flue Gas
	Date of Performance(s)	: 05.10.2024-28.10.2024
	Ref No. Date	: 3322000/41, Dated:01.03.2024

Analysis Result

Date & Time of Sampling : 03.10.2024 at 12:35 Hrs. Sampling done by : S.Ghosh	Sampling Procedures : EPA/IS	
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)	: 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	: FSP	
F : Remarks : Nil		

Report Prepared by :

R. Shome

for Qualissure Laboratory Services
 Reviewed & Authorized By

Anupam Mandal, Chemist
 (Authorized Signatory)

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Annexure-6(a)



Qualissure Laboratory Services

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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	
2	2 3 7 8-Tetrachlorodibenzo-p-dioxin	: <0.005	
3	Octachlorodibenzo-p-dioxin	: <0.000015	
4	Octachlorodibenzo-p-dioxin	: <0.024	USEPA 23A/QA.16.4.73
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	



Page 1 of 2

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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	
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	USEPA 23A/QA.16.4.73
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 Goray, Chemist
(Authorized Signatory)



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Qualissure Laboratory Services

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Mob. No. : 9831287086
9830093976

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	
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	USEPA 23A/QA.16.4.73
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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Annexure-7



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/A/23-24/C/181 Date : 03.06.2023 Sample No. : QLS/A/23-24/181 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.05.2023-02.06.2023 Ref No. Date : W122505-006, Dated:05.05.2022
--	--

Analysis Result

Location : Near Ground Hopper		Date of sampling : 22.05.2023	
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Drizzling			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	255	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	108	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.3	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 $\mu\text{g}/\text{m}^3$	595	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.09	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. 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 Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/A/23-24/C/183 Date : 03.06.2023 Sample No. : QLS/A/23-24/183 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.05.2023-02.06.2023 Ref No. Date : W122505-006,Dated:05.05.2022
--	---

Analysis Result

Location : Near Head ESP		Date of sampling : 23.05.2023	
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Heavy Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	363	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	245	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	7.0	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	28.1	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1052	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.19	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. 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 Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/A/23-24/C/184 Date : 03.06.2023 Sample No. : QLS/A/23-24/184 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.05.2023-02.06.2023 Ref No. Date : W122505-006, Dated:05.05.2022
--	--

Analysis Result

Location : Near Metal Bay		Date of sampling : 23.05.2023	
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Heavy Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	162	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	99	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.6	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	30.1	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 $\mu\text{g}/\text{m}^3$	0.05	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. 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 Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/A/23-24/C/185 Date : 03.06.2023 Sample No. : QLS/A/23-24/185 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.05.2023-02.06.2023 Ref No. Date : W122505-006, Dated:05.05.2022
--	--

Analysis Result

Location : Near Emergency Pith		Date of sampling : 24.05.2023	
Sampling Done by: P.Mandal/P.Mahato		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Heavy Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1.	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	107	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	63	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.4	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	29.4	IS: 5182 (Part 6) 2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	847	IS: 5182 (Part-10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.04	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. Sharma

for Qualissure Laboratory Services
Reviewed & Authorized By



B. Gorai

(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/377 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/377 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.07.2024-03.08.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
--	---

Analysis Result

Location : Head ESP		Date of sampling : 21.07.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	145	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	113	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.0	IS: 5182 (Part 2) 2001,(RA 2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	22.6	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	446	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.05	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 :

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/378 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/378 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.07.2024-03.08.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
--	---

Analysis Result

Location : Tail ESP		Date of sampling : 21.07.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	119	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	78	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	5.8	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	23.7	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	469	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<0.02	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 :

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/379 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/379 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.07.2024-03.08.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
--	---

Analysis Result

Location : Hot Metal Bay		Date of sampling : 21.07.2024	
Sampling Done by: S.Ghosh/P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	127	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	91	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.2	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	25.9	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	755	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.04	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 :

for Qualissure Laboratory Services
Reviewed & Authorized By

Benimadhab Gorai, Chemist
(Authorized Signatory)

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

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TEST REPORT

Name & Address Of the Customer : M/s. 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/380 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/380 Sample Description : Work Zone Monitoring Date of Performance(s) : 26.07.2024-03.08.2024 Ref No. Date : 3322000741, Dated : 01.03.2024
--	---

Analysis Result

Location : Emergency Pit	Date of sampling : 21.07.2024		
Sampling Done by: S.Ghosh/P.Mondal	Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Rainfall			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	109	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	74	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	5.4	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	26.1	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 $\mu\text{g}/\text{m}^3$	<0.02	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 :

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/507 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/507 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 : 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 $\mu\text{g}/\text{m}^3$	7.7	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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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

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. Ghose

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 Metallks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/MR/A/24-25/C/509 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/509 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 : 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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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/510 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/510 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 : 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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Annexure-8



DDC 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/23-24/C/133
	Date	: 05.06.2023
	Sample No.	: QLS/MR/W/23-24/133
	Sample Description	: Waste Water
	Sample Location	: Boiler Blowdown Plant
	Sample Drawn On	: 30.05.2023
	Date of Performance(s)	: 31.05.2023-05.06.2023
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
Ref No. Date	: W122505-006,Dated:05.05.2022	

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1.	pH at 25 ^o C	APHA 23 rd Edition-2017, 4500H+	8.34	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid in mg/l	APHA 23 rd Edition-2017, 2540D	12	100	600
3.	Oil & Grease in mg/l	APHA 23 rd Edition-2017, 5520A	<1.4	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/417
	Date	: 05.08.2024
	Sample No.	: QLS/MR/W/24-25/417
	Sample Description	: Waste Water (Industrial Effluent)
	Sample Location	: Boiler Blowdown Plant
	Sample Drawn On	: 29.07.2024
	Date of Performance(s)	: 30.07.2024-05.08.2024
	Sampling Method	: APHA 24th Edition, 2023; 1060 B
	Ref No. Date	: 3322000741, Dated : 01.03.2024

Analysis Result

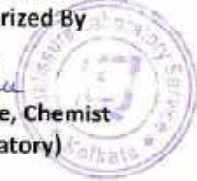
Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1.	pH at 25 ^o C	APHA 24 th Edition-2023, 4500H+	7.79	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid in mg/l	APHA 24 th Edition-2023, 2540D	8	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	<4	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA.2019	<2	30	350
5.	Oil & Grease In mg/l	APHA 24 th Edition-2023, 5520B	<1.4	10	20

Report Prepared By : *Can.*

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee
Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. VIII + P.O. : Gopalpur P.S.: Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	Report No.	: QLS/MR/W/24-25/C/626
	Date	: 29.10.2024
	Sample No.	: QLS/MR/W/24-25/626
	Sample Description	: Waste Water (Industrial Effluent)
	Sample Location	: Boiler Blowdown Plant
	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+	7.91	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid in mg/l	APHA 24 th Edition-2023, 2540D	6	100	600
3.	Chemical Oxygen Demand (as COD) mg/l	APHA 24 th Edition-2023, 5220B	<4	250	---
4.	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2019	<2	30	350
5.	Oil & Grease in mg/l	APHA 24 th Edition-2023, 5520B	<1.4	10	20

Report Prepared By :

R. Ghose

for Qualissure Laboratory Services
Reviewed & Authorized By

Bishnupriya Banerjee
Bishnupriya Banerjee, Chemist
(Authorized Signatory)

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Annexure-9



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	ULR No.	: TC62712400000978F
	Report No.	: QLS/MR/W/24-25/C/233
	Date	: 22.06.2024
	Sample No.	: QLS/MR/W/24-25/233
	Sample Description	: Ground Water
	Sample Mark	: Borewell No. 5
	Date of Drawn On	: 15.06.2024
	Sample Performance	: 17.06.2024 – 22.06.2024
	Sampling Method	: IS 17614(P-1, P-5 & P-25) 2021 & 2022
	Ref No. Date	: Verbal Confirmation

Analysis Result

(A) Chemical Analysis

Sl. No.	Test Parameter	Test Method	As per Drinking Water Standard: IS:10500,2012 (RA- 2018) Amd. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	pH Value at 25°C	IS 3025 (Part 11)- 2022	6.5-8.5	No Relaxation	6.56
2.	Turbidity in NTU	IS 3025 (Part 10)- 2023	1	5	<1.0
3.	Total Dissolved Solids (TDS) in mg/l	IS 3025 (Part 16): 2023	500	2000	236
4.	Calcium (as Ca) in mg/l	IS 3025 (Part 40): 1991(RA 2019)	75	200	41.9
5.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2019)	250	1000	45.0
6.	Fluoride (as F) in mg/l	APHA 24th Edition-2023, 4500 F D	1.0	1.5	0.89
7.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 2003(RA 2019)	1.0	No Relaxation	0.11
8.	Magnesium (as Mg) in mg/l	APHA 24 th Edition- 2023, 3500 Mg B	30	100	5.6
9.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): Sec 1, 2022	200	400	14.9
10.	Alkalinity (as CaCO ₃) in mg/l	IS 3025 (Part 23): 2023	200	600	94.1
11.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2009 (RA – 2019)	200	600	128.0
12.	Sodium (as Na) in mg/l	APHA 24th Edition- 2023, 3500Na – B	----	----	22.6
13.	Reactive Silica (SiO ₂) in mg/l	APHA 24th Edition-2023, 4500 SiO ₂ C	----	----	29.4
14.	Colloidal Silica (SiO ₂) in mg/l	APHA 24th Edition-2023, 4500 SiO ₂ C	----	----	8.3
15.	Phosphate (as PO ₄) in mg/l	APHA 24th Edition-2023, 4500P-D	----	----	0.2
16.	Electrical Conductivity in mS/cm at 25 °C	APHA 24th Edition-2023, 2510B	----	----	421

Report Prepared By:

for Qualissure Laboratory Services

Reviewed & Authorized By

Bishnupriya Banerjee, Chemist
 (Authorized Signatory)

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Annexure-10



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 Paschim Bardhaman West Bengal – 713 212	Report No. : QLS/A/23-24/C/180 Date : 03.06.2023 Sample No. : QLS/A/23-24/180 (A-E) Date of Performance(s) : 26.05.2023-02.06.2023 Sample Description : Noise Monitoring Ref No. Date : W122505 006, Dated:05.05.2022
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Analysis Result of Noise

Sampling Done By : P.Mandal/P.Mahato						
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
180A	22.05.2023	Near Main Gate	63.9	65	57.0	55
180B		Near PCM Boundary Wall	57.6	65	45.6	55
180C	23.05.2023	Admin. Building	57.9	65	46.2	55
180D		Near CPP Cooling Tower	60.4	65	52.7	55
180E	24.05.2023	Near Boundary Wall (North East Side)	59.3	65	45.8	55

Report Prepared by :

R. Saha

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/376 Date : 03.08.2024 Sample No. : QLS/MR/A/24-25/376(A-D) Date of Performance(s) : 26.07.2024-03.08.2024 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
376A	21-22.07.2024	Near Main Gate	61.9	65	49.1	55
376B		Admin. Building	56.5	65	45.7	55
376C	22-23.07.2024	Near PCM Side Building Wall	60.2	65	49.3	55
376D		Near CPP Cooling Tower	56.0	65	47.9	55

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/506 Date : 28.10.2024 Sample No. : QLS/MR/A/24-25/506(A-D) Date of Performance(s) : 01.10.2024-09.10.2024 Sample Description : Noise Monitoring Ref No. Date : 3322000741, Dated : 01.03.2024
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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. Ghosh

for Qualissure Laboratory Services
Reviewed & Authorized By

Anupam Mandal, Chemist
(Authorized Signatory)

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