

To,

Date- 31/05/2022

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 Environmental Clearance Compliance Report for the period of October 2021 to March 2022 of Neo Metaliks Ltd., Durgapur- 713212, West Bengal.

Ref: F. No. - J – 11011/779/2007-IA II (I) dated on 04.11.2008.

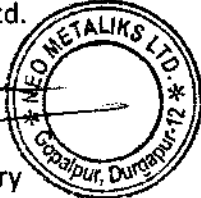
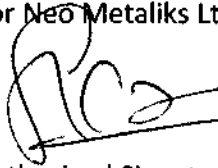
Dear Sir,

This has reference to the above subject matter enclosed herewith the Six-Monthly Environmental Clearance Compliance Report for the period of **October 2021 to March 2022** of Neo Metaliks Ltd.

This is for your kind information.

Yours faithfully,

For Neo Metaliks Ltd.



Authorized Signatory

Cc:

The Environment Engineer (In-Charge),
West Bengal Pollution Control Board,
(Government of West Bengal)
City Centre, Durgapur- 713216.

**Environmental Clearance Compliance Report for
the period October- 2021 to March- 2022
of M/s Neo Metaliks Ltd. Durgapur
Vide EC. No – F. No. J - 11011/779/2007-IA II (I),
Dated 04.11.2008**

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
A (i)	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stake monitoring facilities for all the stacks and sufficient air Pollution control devices shall be provided. Electrostatic Precipitator (ESP) to sinter plant and bag house to Electric Arc Furnace (EAF), dust catcher and Ventury scrubber to mini Blast Furnace (BF) shall be provided to control the particulate emissions below 100mg/Nm³. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional office at Bhubaneswar / CPCB /W. B. Pollution control board (WBPCB) once in six months.	<p>We have not installed Electric Arc Furnace (EAF) so conditions attributable to this is not applicable to us.</p> <p>A (i)Efforts made to reduce RSPM level in the ambient air is given below:-</p> <p>(a)We have installed Air Pollution Control (APC) system to the Sinter Plant (SP) & MBF Cast House. Exhaust gases from SP head end and tail end is cleaned in ESPs to less than 100 mg/Nm³ and discharged through 50 meter and 40 meter tall stack. Blast Furnace gas is cleaned in dry dust catcher, saturator and venturi scrubbers and used as fuel for CPP boilers to generate 4.5 MW captive power, stove heating, PCI and sinter plant operation.</p> <p>(b) All the conveyors and transfer points have been enclosed to reduce the secondary fugitive emission.</p> <p>(c) Modification and extension of coffin box & skirt for leakage arresting at all the transfer points.</p> <p>(d) 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 commissioned at raw material handling sections successfully.</p> <p>(e) Plant internal roads, vehicle movement area and workplaces are developed with either concreted or paver and cleaned at regular intervals. The cleaned process dust particles are collected and sent for re-use in the Sinter process plant.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
		<p>(f) All the raw Materials like Iron ore lump & fines, flux and coke & coke Fines are kept covered with Tarpaulin.</p> <p>(g) All the Vehicles plying inside the Plant are regularly checked for PUC compliance certificates (exhaust emission).</p> <p>(h) Online monitoring system has been installed for the following stacks: 1.Sinter Plant Process stack 2.Blast Furnace Stove stack 3.Captive Power Plant stack.</p> <p>In addition to that based on the recommendation from Regional Office vide letter dated 19th December, 2020, we have immediately started bi-monthly Environment Monitoring of Stack Emission, Ambient Air Quality (AAQ), Work Zone Emission, Water Quality etc. through NABL accredited laboratory and also we have started the monitoring of SO₂, NO_x, and PM parameters corrected at 6% O₂ for CPP. All such reports are enclosed herewith and collectively marked as Annexure- I.</p> <p>Work zone emissions monitoring is being done at different raw material handling sections and transfer points as follows:-</p> <p>a) Near Head ESP is designated for iron ore fines stock yard.</p> <p>b) Ground Hopper through which all the raw materials are fed to sinter plant.</p> <p>c) Near Tail ESP, sinter cooler machine present where hot finished sinter is received and cooled.</p> <p>d) Hot Metal Bay where ladle pouring & handling and ladle repairing are executed.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
		<p>A (ii) Time bound Action Plan to reduce RSPM Level.</p> <p>(a) Tree Plantation is our ongoing process. Total 18785 nos. of trees have been planted in about more than 25.74-acre area in and around the plant boundary till 31st March 2022. Photographs attached as Annexure-II.</p> <p>Further 14015 Nos. Saplings will be planted in 2022-23 up to 30.09.2022. which will be more than 33% of total project area and tree density shall be maintained at 2500 per ha.</p> <p>(b) We don't have any steel making process now.</p> <p>(c) Last six-monthly report has been submitted for the period of 'April'21 to September'21 to the Ministry through e-mail on 01st December'2021 and subsequently submitted to WBPCB-Durgapur Regional office by hand.</p>
A (ii)	<p>As proposed, Waste gases from BF, Sinter Plant, induction and electric arc furnace (IF/EAF) and rolling mill reheating furnace shall be routed through suitable pollution control devices and used in sinter plant.</p>	<p>We do not have IF, EAF, Reheating Furnace and Rolling Mill presently. So conditions attributable to this is not applicable to us.</p> <p>The BF gas from MBF is routed through appropriate Air Pollution Control (APC) devices like Gas Cleaning Plant (GCP) consist of dust catcher, saturator, and Ventury scrubber. 100% BF gas is being used in Sinter Plant, Captive Power Plant, Hot Blast Stove and Ladle Reheating Furnace.</p> <p>ESP and bag filters are attached with Sinter Plant.</p> <p>The waste gas from stove heating of blast furnace is being used as hot gas generator.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
A (iii)	Dust suppression and extraction system including water spraying shall also be provided to control dust from raw material handling and storage area to control fugitive emissions. Fume extraction system to EAF and IF and exhaust system shall be provided to continuous casting machine (CCM) to control hot fumes and vapors.	<p>We don't have EAF, IF and Continuous Casting Machine (CCM) presently. So, conditions attributable to this is not applicable to us.</p> <p>(a) Plant de-dusting system comprising of bag filters are provided to control the fugitive dust.</p> <p>(b) Fixed Water Sprinkler provided at Ground hoppers, raw material handling area, truck tippler.</p> <p>(c) Mobile Water Sprinkling Tanker deployed to suppress the fugitive dust at raw material stock yard and all the internal roads within the plant premises. Along with water fog cannon has been commissioned at raw material handling sections successfully.</p> <p>(d) The following initiatives taken on the Fume Extraction system located at MBF cast house.</p> <p>i) Efficiency enhancement done by the modification of suction hood, duct line and number of bends in the duct was reduced to avoid pressure drop & improve suction efficiency.</p> <p>ii) The bag house connected to fume extraction system was completely changed to improve the efficiency</p> <p>Enhanced capacity of suction hood installed with high micron bag filters and charging of Venturi Nozzles to increase the dust conveying speed.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
A (iv)	Gaseous emission levels including secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	<p>Gaseous emissions level through stacks and secondary fugitive emissions level from blast furnace cast house and sinter plant area are well within the MoEF&CC specified latest permissible limit. We monitor the environmental condition in respect of air included with ambient air quality monitoring, work zone monitoring, stack emission monitoring by NABL accredited external laboratory. Annexure I.</p> <p>Also, we are planning to upgrade our existing MBF of 215 m³ to 350 m³ capacity with fume extraction system attached with bag filters to limit PM levels less than 30 mg/Nm³ with the prior environmental clearance.</p> <p>Special features of the of the planned FES to control PM<30 mg/Nm³ are outlined below: -</p> <ol style="list-style-type: none"> Suction Hoods- Specially designed collection hood (i.e, side draft or swiveling hood) at fumes/dust generation points are designed to maintain the necessary high efficiency suction. Tapping fumes fan for effective local suction: - High-Capacity fan to create the local negative suction at the tap hole. Ladle Pouring Points to suck the fumes and pushes it towards the bag filter. This will ensure the effective suction and create dust free working place. Ducting Design: - Better duct routing to ensure free gas flow based on universally accepted norms. Spark Arrestor: - as are handling high temperature fumes there might be possibility of un-burnt particles hitting the fabric filter bags thereby damaging the same. Hence spark arrestor installed before the bag house. Filter Bags: - Based on inlet and outlet concentration, proposed bag filter will be designed.

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
A (v)	Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished products.	<p>For controlling of vehicular pollution regular PUC certificates are being ensured.</p> <p>Following measures have been adopted to control the dust emissions during loading and unloading of raw materials and finished products.</p> <p>(a) Fixed water sprinklers and Mobile water sprinkling tanker are being provided for suppressing the fugitive dust emission at loading/ unloading points of raw material and finished products.</p> <p>(b) Operation of the water fog cannon at raw material handling section to suppress the fugitive emissions regular basis.</p> <p>In addition to above we are in planning to adopt below mentioned protocols during/after expansion of unit with prior environment clearance.</p> <p>(c) Closed conveyor transport.</p> <p>(d) Construction wind barriers of adequate height.</p> <p>(e) Reduced drop distance and awareness program.</p> <p>(f) Pile surface stabilization to reduce dust load.</p> <p>(g) Maximum green belt of 2500 trees/ha around the proposed storage yard.</p> <p>(h) Paving of all internal roads.</p> <p>(i) Periodic roadway watering and dry sweeping of roads.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
A (vi)	Total water requirement from Asansol Durgapur Development Authority (ADDA) shall not exceed 6,120 m ³ / day. No ground water shall be abstracted. Closed circuit water re-circulation system shall be used to reduce water consumption. All the treated wastewater including blow down water from BF, Sinter plant etc, shall be recycled and reused in the process, dust suppression and green belt development. 'Zero' effluent discharged shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be treated in Sewage Treatment Plant (STP) and treated effluent shall be used for green belt development.	<p>(a) We have permission to 2090 m³/day water from ADDA. We don't have the installation of the SMS and Rolling Mills at present. Letter is attached as Annexure-III. (Letter no. ED/CA-79/04- 05/1428, dt-13.07.05).</p> <p>(b) Permission for drawing ground water has been obtained from SWID, Govt. of West Bengal. The permission has been taken to meet the domestic water requirement of staffs, workmen and security personnel.</p> <p>(c) The plant is based on Zero Liquid Discharge (ZLD) system, hence entire wastewater is recycled/ reused within plant premises.</p> <p>(d) Sanitary effluent is treated in septic tanks and soaks pits. Canteen wastewater is treated in Oil-water separator and then used for greenery development.</p>
A (vii)	Permission for the drawl of 6,120 m ³ /day from Asansol Durgapur Development Authority (ADDA) shall be obtained.	<p>Permission for 2090 m³/day water has been obtained from ADDA for MBF, SP & CPP. We don't have the installation of the SMS and Rolling Mills at present. Ref: Annexure-III.</p>
A (viii)	All the iron ore fines, coke fines, flue dust and mill scales shall be reused in the sinter plant. All the blast furnace slag shall be granulated and provided to cement manufacturers for further utilization. SMS / EAF slag shall be properly used inside the plant premises and shall not be disposed off anywhere else. All the other solid waste including broken refractory mass shall be properly disposed off in environment friendly manner. Waste oil shall be sold to authorized recyclers / reprocessors.	<p>(a) Iron ore fines, coke fines and flue dust are reused in Sinter Plant. Mill scale is not generated in the plant as there are no rolling mills.</p> <p>(b) BF Slag is granulated and sold for Cement making. Annexure-IV.</p> <p>(c) No steel making slag is generated as we have not installed SMS with IF and EAF.</p> <p>Broken refractory mass is used as sub-base material for road making and also sold it to respective agency for recycling.</p> <p>(d) Used/ waste oil is being properly disposed of through authorized agency Name: - M/s. Waste Bengal Waste Management Limited. Manifest & Authorization is attached in Annexure-V.</p>

SL	SPECIFIC CONDITION	(e) COMPLIANCE STATUS
A (ix)	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	<p>(a) We are reusing/ disposing 100% Solid Waste generated from the plant in environment friendly manner.</p> <p>(b) All BF Slag is granulated and sold for Cement making. Ref: Annexure-IV.</p> <p>(c) Flue dust and GCP sludge are being used in sinter plant.</p> <p>(d) Broken refractory mass is used as sub-base material for road repairing and sold it to respective agency for recycling.</p>
A (x)	As proposed, green belt shall be developed in 33 % area within and around the plant premises as per the CPCB guidelines in consultation with DFO.	<p>(a) Trees plantation is our ongoing process. Total 18785 nos. of saplings have been Planted in more than 25.74-acre area in and around the plant boundary till 31st March 2022.</p> <p>(b) Further 14015 Nos. Saplings will be Planted in 2022-23 up to 30.09.2022, which will be more than 33% of total project area and tree density shall be maintained at 2500 per ha.</p>
A (xi)	All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants Shall be implemented.	Neo Metaliks Ltd. is taking necessary initiative to adhere the CREP as mentioned in Annexure A.
A (xii)	The company shall provide housing for construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the projects.	Abide by the condition.

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
B (i)	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board (WBPCB) and the State Government.	Noted and complied. a) We have received the Consent to operate for MBF, Sinter Plant, CPP & PCI which is valid up to 30.04.2027. b) We have also obtained authorization for Hazardous & other waste Management in Form-2 vide memo no. 38/2S (HW)-2497/2009 dated on 02.03.2020 from West Bengal Pollution Control Board valid up to 31.03.2024. Copy of the said authorization for Hazardous & other waste Management issued by WBPCB is enclosed herewith and marked as Annexure-VI .
B (ii)	No further expansion or modification in the plant should be carried out without prior approval of the Ministry of Environment, Forests & Climate Change.	Noted and abide by the said condition. Ministry has accorded Terms of review vide letter no. F. No. J-11011/779/2007-IA. II (I) dated 27.05.2019 for expansion of the project.
B (iii)	The gaseous emission from various units shall conform to the load/mass-based standards notified by this Ministry on 19th May 1993 and standards prescribed from time to time. The WBPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standard. The interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	(a) The gaseous emissions are within limits. Online Continuous emission monitoring system (CEMS) has been installed in major stacks in August-2018 which is well connected to the CPCB servers from March-2019 and Results are directly transmitted to CPCB. Moreover, Stack emissions monitoring are also being regularly conducted by NABL accredited laboratory. (b) Pollution Control equipment are a part of the operating process of plant. The stack emissions from MBF, Sinter and CPP are monitored continuously online and real time online data is transmitted to CPCB Server. Any deviation beyond the prescribed standard is immediately taken care of by process adjustment.

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
B (iv)	In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials /coal handlings etc. shall be provided. Further, specific measures like provision of dust suppression system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be installed at material transfer points and other raw material handling areas. Centralize de-dusting system i.e. collection of fugitive emissions through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack of appropriate designed height conforming to the standards. Fugitive emissions shall be regularly monitored and records maintained.	<p>(a) We have ISO 14001:2015 accredited to ensure the improvement in Environment Performance. Certificate attached as Annexure-VII.</p> <p>(b) Centralized de-dusting system i.e., collection of process emissions through suction hood & duct line and subsequent treatment through ESP and finally emitted through appropriate designed stack.</p> <p>(c) 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.</p> <p>(d) Fixed Water Sprinkler provided in Ground Hopper, Raw Material handling area, Truck Tippler.</p> <p>Mobile Water Sprinkling Tanker deployed inside the plant premises at regular basis.</p> <p>(e) Operation of water fog cannon at raw material handling section to suppress the fugitive emissions at regular basis.</p> <p>(f) We are measuring fugitive emissions in work environment by NABL accredited laboratory on bi-monthly basis.</p> <p>(g) The above bi-monthly test reports are being sent to the Ministry through its Regional office in every six months. Also the same is sent to the State Pollution control board (WBPCB) every six months and records are being maintained.</p> <p>Ref: Annexure I.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
B (v)	At least, four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the WBPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, WBPCB and CPCB once in six months.	<p>(a) We have established five ambient air quality monitoring stations at the near Main Gate, near Admin Building & Store, near Boundary Wall (North-East side), near CPP Cooling Tower and near PCM side boundary wall where we do the periodic (bi monthly) environment monitoring by NABL accredited external laboratory and reports are being submitted to the Ministry through its Regional Office and WBPCB once in six month. The reports are attached in Ref: Annexure I.</p> <p>(b) We are carrying out periodic (Bi-monthly) stack emission monitoring and records are being submitted to the Ministry through its Regional Office and WBPCB once in six month. Ref: Annexure I.</p>
B (vi)	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Plant wastewater is recycled and reused for slag cooling, mould cooling, gas cleaning plant and dust suppression. No wastewater is discharged outside the plant premises. Sanitary effluent is treated in septic tanks and soaks pits. Canteen waste is treated in Oil water separator and then used for plantation.
B (vii)	The overall noises levels in and around the plant area shall be kept well within the standards 85 dB(A) by providing noise control measures including acoustic hoods, silencer, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA rules, 1989 viz. 75 dB(A) (daytime) and 70 dB(A) (night time).	<p>Noise monitoring is being conducted by third party analyst viz. Qualissure Laboratory Services, a NABL accredited laboratory on regular intervals. We have already installed acoustic hoods, silencer, enclosures on various sources of noise generation to keep overall noise level in and around the plant area well within the prescribed standards.</p> <p>a) The ambient noise levels at plant boundary are below 75 dB (A) during day time and 70 dB (A) during night time.</p> <p>b) Noise levels in work environment are below 85 dB (A).</p> <p>The results are attached in Annexure-VIII.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
B (viii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<p>(a) We have ISO 45001:2018 accredited to ensure Safety and Health. Certificate attached as Annexure-IX.</p> <p>(b) All employees during induction are screened medically by plant medical officer and Doctors (on contractual basis) who visited plant for periodical medical checkup for workers including contractual labors.</p> <p>(c) Dispensary is well facilitated with basic first aid facilities. Ambulance is available in the plant 24*7 for immediate shifting of patients to nearby hospital in case of emergency.</p> <p>(d) Periodic health examination is carried out as per the prevailing norms of WB Factories Rules. The test of Routine parameters and Specific Parameters is conducted including laboratory investigations such as Blood Test, LFT, Chest-X-ray, PFT, Eye test, Audiometry Test, ECG etc. by industrial hygiene experts and updated records are being maintained.</p> <p>(e) All the workers are equipped with the best quality of personal Protective equipment's such as Safety helmets, Goggles, eyes and face protection (welding), nose mask, hand gloves, safety shoes, FR Suit for Hot Zone Worker, Full Body Safety Harness during work at height. etc.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
B (ix)	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	<p>(a) We have facilitated a surface water harvesting reservoir at the north side of plant boundary where surface run off is collected and reuse it for plant operation. The capacity of the reservoir is 13000 m³ approx.</p> <p>(b) We have augmented the existing Sumps where runoff within the plant is collected. This water is utilized in the plant for cooling and dust suppression during lean season.</p> <p>(c) We have made four roof top rain water harvesting reservoirs of capacities 40m³, 30m³, 15m³ and 11.25m³ respectively at the following locations were already developed with a cost of Rs.389000 (Approx.) to collect 96.25 m³ of rainwater.</p> <ol style="list-style-type: none"> 1. CPP cooling tower area sump(40m³). 2. Sinter plant pump house area sump (30m³). 3. Rain water harvesting sump at MBF area (15m³). 4. Rain water harvesting sump at near Admin building 11.25m³). <p>and the harvested rain water is being used in process, plantation, dust suppression and indirect cooling applications wherever possible. Photos of the existing rain water harvesting sumps are attached herewith and collectively marked as Annexure-X.</p> <p>(d) No natural drainage is getting intercepted by the plant boundary and it is directed by peripheral drains outside.</p> <p>(e) Rainwater Harvesting systems are being cleaned periodically to avoid clogging. Further, we are committed to develop and meet 5-10% of our total water requirement proposed during our expansion program through effective implementation of RWHS. To have further improvement, we contacted CSIR-Bhubaneswar & NIT-Durgapur to guide us.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
B (x)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.	<p>(a) NML had taken up the environmental protection measures recommended in the EIA/EMP report during the construction phase earlier and presently, we are in practice to comply with all the operational environmental protection measures/ safeguards as recommended in EIA/EMP.</p> <p>(b) In addition, NML undertakes the socio-economic development activities in the surrounding villages through various programs. During the previous and current FY. NML conducted the following socio-economic development for which cost incurred more than Rs. 1.10 Crores.</p> <ul style="list-style-type: none"> i) Drinking water project ii) Scholarship to the talented & deserving student. iii) Food & cloth distribution in the rural tribal villages. iv) COVID-19 support and awareness to the society. v) Training & empowerment of women. vi) Health checkup camp vii) Avenue plantation
B (xi)	As proposed, Rs. 25.00 Crores and Rs. 6.00 Crores shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forests & Climate Change as well as the state Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry's Regional Office at Bhubaneswar. The funds so provided should not be diverted for any other purpose.	<p>For the existing plant consisting of MBF, Sinter Plant and CPP Rs13.42 Crores has been utilized as Capital cost for environmental pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest & Climate Change as well as the state government. The detail breakup of equipment cost is attached herewith and marked as Annexure-XI.</p> <p>Preventive maintenance and required maintenance of the complete setup of pollution control devices namely ESP, Bag House, Gas Cleaning Plant and Dust/ Fume Extraction System are being done as a part of the recurring cost.</p>

SL	SPECIFIC CONDITION	COMPLIANCE STATUS
B (xii)	The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored date along with statistical interpretation shall be submitted to them regularly.	Six-monthly EC conditions compliance report is being submitted to MoEF&CC / WBPCB on regular basis. Last submission done on 01 st December 2021.
B (xiii)	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the WBPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within 7 days from the date of issue of	Complied. Consent to Establish Sinter Plant was granted by West Bengal Pollution Control Board vide Memo No.237-2N-566/2003 Date: - 04.04.2010. Consent to Operate Mini Blast Furnace, Sinter Plant, Captive Power Plant was granted by West Bengal Pollution Control
	the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the Same shall be forwarded to the Regional office.	Board vide Memo No. 771-7/WPBD-CONT(2809)/06(Dt-II) Date:- 27.04.2022 valid till 30.04.2027
B (xiv)	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land Development work.	Abide by the said condition. We have been submitting the Environmental Statement in Form-V. We have 90.045 acres of land of which 78.40 acres of land is within the boundary wall and remaining 11.645 acres of land is adjacent to boundary wall. All 90.045 acres of land has been acquired.



TC-6271

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

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000000615F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/21-22/C/676
Vill + P.O. : Gopalpur	Date	: 07.03.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/21-22/676
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal - 713 212	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 10.02.2022 at 11:00 A.M.	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)	: 129 EPA Part 2
2 Barometric pressure (mm of Hg)	: 753 EPA Part 2
3 Velocity of gas (m/sec)	: 13.72 EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 137854 EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 6.4 IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 37.2 EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	: 54.1 EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 51 EPA Part 5
E : Pollution :	
Details of pollution control devices attached with the stack	: ESP
F : Remarks : Nil	

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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



361, Prantik Pally, 45/361, Bose Pukur Road, Kolkata - 700107
Email : qualissure@gmail.com; info@qualissure.com; Mob.No. 98312 87086; 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	ULR No. : TC627122000000619F Report No. : QLS/A/21-22/C/680 Date : 07.02.2022 Sample No. : QLS/A/21-22/680 Sample Description : Stack Flue Gas Ref No. Date : W120206-01, Dated: 06.02.2021
--	--

Analysis Result

Date & Time of Sampling : 11.02.2022 at 12:20 P.M.		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 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
1	Temperature of emission (°C)	: 266	EPA Part 2
2	Barometric pressure (mm of Hg)	: 753	EPA Part 2
3	Velocity of gas (m/sec)	: 15.84	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1534	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 94.4 at 15% O ₂	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide(%v/v)	: 4.8	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6
8	Concentration of Nitrogen dioxide (ppm)	: 10.2 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 42.4 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F : Remarks : Nil			

for Qualissure Laboratory Services
Reviewed & Authorized By



(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000000616F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/21-22/C/677
Vill + P.O. : Gopalpur	Date	: 07.02.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/21-22/677
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal – 713 212	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 10.02.2022 at 12:00 A.M.		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)	: 78	EPA Part 2
2	Barometric pressure (mm of Hg)	: 753	EPA Part 2
3	Velocity of gas (m/sec)	: 10.18	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 96856	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)	: <3.4	EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 38.0	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 39	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: ESP	
F : Remarks : Nil			

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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



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/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	ULR No. : TC627122000000378P Report No. : QLS/A/21-22/C/663 Date : 14.02.2022 Sample No. : QLS/A/21-22/663 Sample Description : Stack Flue Gas Ref No. Date : W120206-01, Dated: 06.02.2021
--	--

Analysis Result

Date & Time of Sampling : 11.02.2022 at 12:00 P.M.		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 m ³ /hr																																	
D : Results of Sampling & Analysis of gaseous Emission :		<table><tr><th></th><th>Result</th><th>Method</th></tr><tr><td>1</td><td>Temperature of emission (°C)</td><td>: 132 EPA Part 2</td></tr><tr><td>2</td><td>Barometric pressure (mm of Hg)</td><td>: 753 EPA Part 2</td></tr><tr><td>3</td><td>Velocity of gas (m/sec)</td><td>: 9.80 EPA Part 2</td></tr><tr><td>4</td><td>Quantity of gas flow (Nm³/hr)</td><td>: 39596 EPA Part 2</td></tr><tr><td>5</td><td>Concentration of Carbon monoxide (%)</td><td>: <0.2 IS:13270-1992, Reaf : 2017</td></tr><tr><td>6</td><td>Concentration of Carbon dioxide (%)</td><td>: 7.6 IS:13270-1992, Reaf : 2017</td></tr><tr><td>7</td><td>Concentration of Oxygen (%)</td><td>: 12.0 IS:13270-1992, Reaf : 2017</td></tr><tr><td>8</td><td>Concentration of Sulphur dioxide (mg/Nm³)</td><td>: 43.7 at 6 % O₂ EPA Part-6</td></tr><tr><td>9</td><td>Concentration of Oxides of Nitrogen (mg/Nm³)</td><td>: 79.0 at 6 % O₂ EPA Part-7</td></tr><tr><td>10</td><td>Concentration of Particulate Matters (mg/Nm³)</td><td>: 8 at 6 % O₂ EPA Part 5</td></tr></table>		Result	Method	1	Temperature of emission (°C)	: 132 EPA Part 2	2	Barometric pressure (mm of Hg)	: 753 EPA Part 2	3	Velocity of gas (m/sec)	: 9.80 EPA Part 2	4	Quantity of gas flow (Nm ³ /hr)	: 39596 EPA Part 2	5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017	6	Concentration of Carbon dioxide (%)	: 7.6 IS:13270-1992, Reaf : 2017	7	Concentration of Oxygen (%)	: 12.0 IS:13270-1992, Reaf : 2017	8	Concentration of Sulphur dioxide (mg/Nm ³)	: 43.7 at 6 % O ₂ EPA Part-6	9	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 79.0 at 6 % O ₂ EPA Part-7	10	Concentration of Particulate Matters (mg/Nm ³)	: 8 at 6 % O ₂ EPA Part 5
	Result	Method																																	
1	Temperature of emission (°C)	: 132 EPA Part 2																																	
2	Barometric pressure (mm of Hg)	: 753 EPA Part 2																																	
3	Velocity of gas (m/sec)	: 9.80 EPA Part 2																																	
4	Quantity of gas flow (Nm ³ /hr)	: 39596 EPA Part 2																																	
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017																																	
6	Concentration of Carbon dioxide (%)	: 7.6 IS:13270-1992, Reaf : 2017																																	
7	Concentration of Oxygen (%)	: 12.0 IS:13270-1992, Reaf : 2017																																	
8	Concentration of Sulphur dioxide (mg/Nm ³)	: 43.7 at 6 % O ₂ EPA Part-6																																	
9	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 79.0 at 6 % O ₂ EPA Part-7																																	
10	Concentration of Particulate Matters (mg/Nm ³)	: 8 at 6 % O ₂ EPA Part 5																																	
E : Pollution :																																			
Details of pollution control devices attached with the stack : NIL																																			
F :Remarks : Nil																																			

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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



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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000000618F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/21-22/C/679
Vill + P.O. : Gopalpur	Date	: 07.03.2022
P.S. : Kanksa,Durgapur	Sample No.	: QLS/A/21-22/679
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal – 713 212	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 11.02.2022 at 11:40 A.M.		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 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)	: 285	EPA Part 2
2	Barometric pressure (mm of Hg)	: 753	EPA Part 2
3	Velocity of gas (m/sec)	: 13.72	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1284	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 83.2 at 15% O ₂	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide(%v/v)	: 5.0	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6
8	Concentration of Nitrogen dioxide (ppm)	: 10.3 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 42 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F : Remarks : Nil			

for Qualissure Laboratory Services

Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT


Name & Address Of the Customer :	ULR No.	: TC627122000000617F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/21-22/C/678
Vill + P.O. : Gopalpur	Date	: 07.03.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/21-22/678
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal – 713 212	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 10.02.2022 at 03:10 P.M.		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)	: 153 EPA Part 2
2	Barometric pressure (mm of Hg)	: 753 EPA Part 2
3	Velocity of gas (m/sec)	: 9.61 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 98840 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 7.2 IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 62.5 EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 66.1 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 41 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: Cyclone Separator, Saturator & Ventury scrubber
F : Remarks : Nil		

for Qualissure Laboratory Services

Reviewed & Authorized By



(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000000620F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/681
Vill + P.O. : Gopalpur	Date : 07.03.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/681
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 11.02.2021 at 04:00 P.M.		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
1	Temperature of emission (°C)	: 67
2	Barometric pressure (mm of Hg)	: 753
3	Velocity of gas (m/sec)	: 12.42
4	Quantity of gas flow (Nm ³ /hr)	: 20523
5	Concentration of Carbon monoxide (%)	: <0.2
6	Concentration of Carbon dioxide (%)	: <0.2
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 16.8
9	Concentration of Particulate Matters (mg/Nm ³)	: 22
E : Pollution :		
Details of pollution control devices attached with the stack		: Bag Filter
F :Remarks : Nil		

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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

L

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/08-B/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000003003F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/543
Vill + P.O. : Gopalpur	Date : 13.12.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/543
Paschim Bardhaman	Date of Performance : 06-13.12.2021
West Bengal – 713 212	Sample Description : Stack Flue Gas
	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 02.12.2021 at 12:25 P.M.	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)	: 129 EPA Part 2
2 Barometric pressure (mm of Hg)	: 751 EPA Part 2
3 Velocity of gas (m/sec)	: 10.38 EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 104012 EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 6.4 IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 34.7 EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	: 36.2 EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 42 EPA Part 5
E : Pollution :	
Details of pollution control devices attached with the stack	: ESP
F : Remarks : Nil	

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000079F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/16
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/16
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 17.12.2021 at 3:40 P.M.	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 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)	: 278	EPA Part 2	---
2 Barometric pressure (mm of Hg)	: 753	EPA Part 2	---
3 Velocity of gas (m/sec)	: 13.79	EPA Part 2	---
4 Quantity of gas flow (Nm ³ /hr)	: 1307	EPA Part 2	---
5 Concentration of Carbon monoxide(mg/Nm ³)	: 83.8 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 Nitrogen dioxide (ppm)	: 12.4 at 15% O ₂	EPA Part-7	100
9 Concentration of Particulate Matters (mg/Nm ³)	: 46 at 15% O ₂	EPA Part 5	75
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F : Remarks : Nil			

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000076F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/13
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/13
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-001 Dated 06.02.2021

Analysis Result

Date & Time of Sampling : 17.12.2022 at 02:40 P.M.	Sampling Procedures : EPA/IS
Sampling done by : S. Ghosh	
A : General Information of Stack:	
1 Stack connected to	: Cast House Fume Extraction System
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 roof level	: 11.0 m
2 Diameter of Stack at bottom	: ---
3 Diameter of Stack at sampling point	: 1.2 m
4 Height of the sampling point from roof level	: 4.0 m
5 Area of Stack	: 1.1314 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)	: 58 EPA Part 2
2 Barometric pressure (mm of Hg)	: 753 EPA Part 2
3 Velocity of gas (m/sec)	: 3.75 EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 13622 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)	: --- EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	: --- 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 : Bag Filter	
F : Remarks : Information under A,B and C are supplied by respective Industry.	

For Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000074F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/11
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/11
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 17.12.2021 at 12:20 P.M.	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 :	2. Fuel consumption : 750 Nm ³ /hr
1 Fuel used : BF Gas	
D : Results of Sampling & Analysis of gaseous Emission :	
1 Temperature of emission (°C)	Result : 161 Method : EPA Part 2
2 Barometric pressure (mm of Hg)	: 753 EPA Part 2
3 Velocity of gas (m/sec)	: 17.21 EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 22298 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)	: <3.4 EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	: 39.1 EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 47 EPA Part 5
E : Pollution :	
Details of pollution control devices attached with the stack	: Bag Filter
F : Remarks :	Nil

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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



361, Prantik Pally, 45/361, Bose Park Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com ; Mob.No. 98312 87086 ; 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	ULR No. : TC627122000000075F Report No. : QLS/P-56/21-22/C/12 Date : 13.11.2022 Sample No. : QLS/P-56/21-22/12 Sample Description : Stack Flue Gas Ref No. Date : W120206-01, Dated: 06.02.2021
--	--

Analysis Result

Date & Time of Sampling : 15.12.2021 at 11:40 A.M.		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)	: 77	EPA Part 2
2	Barometric pressure (mm of Hg)	: 753	EPA Part 2
3	Velocity of gas (m/sec)	: 10.57	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 100852	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)	: <3.4	EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 39.2	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 36	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: ESP	
F : Remarks : Nil			

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000078F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/15
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/15
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

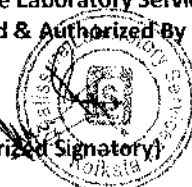
Analysis Result

Date & Time of Sampling : 16.12.2021 at 11:00 A.M.		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)	: 158 EPA Part 2
2	Barometric pressure (mm of Hg)	: 752 EPA Part 2
3	Velocity of gas (m/sec)	: 9.72 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 98736 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 7.6 IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 61.3 EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 67.5 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 36 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack : Cyclone Separator, Saturator & Ventury scrubber		
F : Remarks : Nil		

for Qualissure Laboratory Services

Reviewed & Authorized By

(Authorized Signatory)



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

L

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/08-B/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000077F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/14
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/14
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 16.12.2022 at 03:20 P.M.		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- 2000 m ³ /hr
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1	Temperature of emission (°C)	:142 EPA Part 2
2	Barometric pressure (mm of Hg)	: 752 EPA Part 2
3	Velocity of gas (m/sec)	: 10.53 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 41515 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 8.0 IS:13270-1992, Reaf : 2017
7	Concentration of Oxygen (%)	: 12.2 IS:13270-1992, Reaf : 2017
8	Concentration of Sulphur dioxide (mg/Nm ³)	: 57.9 at 6 % O ₂ EPA Part-6
9	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 99.5 at 6 % O ₂ EPA Part-7
10	Concentration of Particulate Matters (mg/Nm ³)	: 23 at 6 % O ₂ EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: NIL
F :Remarks : Nil		

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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



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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002501F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/464
Vill + P.O. : Gopalpur	Date : 27.10.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/464
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-001 Dated 06.02.2021

Analysis Result

Date & Time of Sampling : 25.10.2021 at 12:05 P.M.		Sampling Procedures : EPA/IS
Sampling done by : S. Ghosh		
A : General Information of Stack:		
1	Stack connected to	: Cast House Fume Extraction System
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 roof level	: 11.0 m
2	Diameter of Stack at bottom	: ---
3	Diameter of Stack at sampling point	: 1.2 m
4	Height of the sampling point from roof level	: 4.0 m
5	Area of Stack	: 1.1314 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)	: 50 EPA Part 2
2	Barometric pressure (mm of Hg)	: 752 EPA Part 2
3	Velocity of gas (m/sec)	: 2.87 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 10672 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)	: --- EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: --- EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 14 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: Bag Filter
F : Remarks : Information under A,B and C are supplied by respective Industry.		

For Qualissure Laboratory Services
Reviewed & Authorized By
(Authorized Signatory)

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



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

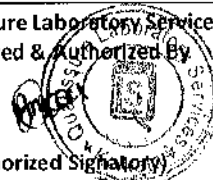
TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002694F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/468
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/468
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 23.10.2021 at 12:00 P.M.		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)	155	EPA Part 2
2 Barometric pressure (mm of Hg)	753	EPA Part 2
3 Velocity of gas (m/sec)	9.111	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	93183	EPA Part 2
5 Concentration of Carbon monoxide (%)	<0.2	IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	7.8	IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	57.7	EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	48.2	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	21	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		Cyclone Separator, Saturator & Ventury scrubber
F : Remarks : Nil		

for Qualissure Laboratory Services
Reviewed & Authorized By



(Authorized Signatory)

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



TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002695F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/470
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/470
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 25.10.2021 at 03:00 P.M.		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 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)	: 267	EPA Part 2
2	Barometric pressure (mm of Hg)	: 752	EPA Part 2
3	Velocity of gas (m/sec)	: 12.85	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1240	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 83.8 at 15% O ₂	IS:13270-1992, Rea: 2017
6	Concentration of Carbon dioxide(%v/v)	: 4.2	IS:13270-1992, Rea: 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6
8	Concentration of Nitrogen dioxide (ppm)	: 9.6 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 37.3 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F : Remarks : Nil			

for Qualissure Laboratory Services
Reviewed & Authorized By



(Authorized Signatory)

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



Qualissure Laboratory Services



TC-6271

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

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

TEST REPORT

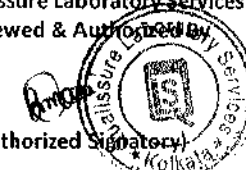
Name & Address Of the Customer :	ULR No. : TC627121000002697F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/471
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/471
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref.No. Date : W120206-C1, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 25.10.2021 at 03:40 P.M.		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-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
1	Temperature of emission (°C)	273	EPA Part 2
2	Barometric pressure (mm of Hg)	752	EPA Part 2
3	Velocity of gas (m/sec)	14.99	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	1431	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	90.9 at 15% O ₂	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide(%v/v)	4.2	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	<3.4	EPA Part-6
8	Concentration of Nitrogen dioxide (ppm)	10.1 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	40.4 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F : Remarks : Nil			

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)



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



TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002691F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/465
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/465
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No./Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 23.10.2021 at 02:00 P.M.		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- 2000 m ³ /hr	
D : Results of Sampling & Analysis of gaseous Emission :		
	Result	Method
1 Temperature of emission (°C)	: 134	EPA Part 2
2 Barometric pressure (mm of Hg)	: 753	EPA Part 2
3 Velocity of gas (m/sec)	: 11.17	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 44911	EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 7.8	IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 31.4	EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	: 50.3	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 11 at 12 % CO ₂	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: NIL
F :Remarks : Nil		

 for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)



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



TEST REPORT

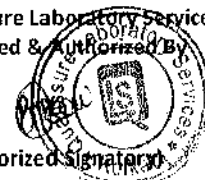
Name & Address Of the Customer :	ULR No. : TC627121000002692F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/466
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/466
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 22.10.2021 at 01:05 P.M.		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)	: 131 EPA Part 2
2	Barometric pressure (mm of Hg)	: 755 EPA Part 2
3	Velocity of gas (m/sec)	: 9.87 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 98952 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 6.4 IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 32.7 EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 48.5 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 53 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: ESP
F : Remarks : Nil		

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)



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



TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002693F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/467
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/467
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 22.10.2021 at 10:50 A.M.		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)	: 78	EPA Part 2
2 Barometric pressure (mm of Hg)	: 755	EPA Part 2
3 Velocity of gas (m/sec)	: 10.12	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 96537	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)	: <3.4	EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	: 28.7	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 41	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: ESP
F : Remarks : Nil		

 for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)



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



TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002695F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/469
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22469
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Date & Time of Sampling : 25.10.2021 at 02:00 P.M.		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)	: 70	EPA Part 2
2 Barometric pressure (mm of Hg)	: 752	EPA Part 2
3 Velocity of gas (m/sec)	: 14.13	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 23113	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)	: <3.4	EPA Part-6
8 Concentration of Nitrogen dioxide (mg/Nm ³)	: 21	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 36	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: Bag Filter
F : Remarks : Nil		

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. :	TC627122000000615F
M/s. Neo Metaliks Ltd.	Report No. :	QLS/A/21-22/C/682
Vill + P.O. : Gopalpur	Date :	07.03.2022
P.S. : Kanksa,Durgapur	Sample No. :	QLS/A/21-22/682
Paschim Bardhaman	Date of Performance :	14-22.02.2022
West Bengal – 713 212	Sample Description :	Ambient Air
	Ref No. Date :	W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near PCM Boundary Wall			Date of sampling : 09.02.2022	
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	92	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	56	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	8.3	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	30.5	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	1041	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality. Sprinkler System On during Sampling.				

for Qualissure Laboratory Services
 Reviewed & Authorized By



(Authorized Signatory)

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



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/08-A/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000616F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/683
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/683
Paschim Bardhaman	Date of Performance : 14-22.02.2022
West Bengal – 713 212	Sample Description : Ambient Air
	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near CPP			Date of sampling : 09.02.2022	
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	96	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	52	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	9.5	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	36.4	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	972	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality. Sprinkler System On during Sampling.				

for Qualissure Laboratory Services
Reviewed & Authorized By



(Signature)

(Authorized Signatory)

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



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



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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000623F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/684
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/684
Paschim Bardhaman	Date of Performance : 14-22.02.2022
West Bengal – 713 212	Sample Description : Ambient Air
	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near Admin Building			Date of sampling : 10.02.2022	
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	80	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	56	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	8.5	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	37.9	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	1064	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality. Sprinkler System On during Sampling.				

for Qualissure Laboratory Services
Reviewed & Authorized By



(Authorized Signatory)

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



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

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000624F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/685
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/685
Paschim Bardhaman	Date of Performance : 14-22.02.2022
West Bengal – 713 212	Sample Description : Ambient Air
	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near North East Boundary Wall			Date of sampling : 10.02.2022	
Sampling Done by: S.Ghosh/P.Mondal			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	86	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	54	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	9.4	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	39.7	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	950	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality. Sprinkler System On during Sampling.				

for Qualissure Laboratory Services
Reviewed & Authorized By



(Authorized Signatory)

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



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/08-A/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000065F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/02
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/P-56/21-22/02
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near CPP Cooling Tower		Date of sampling : 17-18.12.2021		
Sampling Done by: S.Ghosh		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	87	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	54	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.2	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	30.6	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	1007	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000066F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/03
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/03
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near Store & Admin Area			Date of sampling : 16-17.12.2021	
Sampling Done by: S.Ghosh			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	98	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter PM _{2.5} in µg/m ³	52	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.5	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	31.0	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	1167	2000	IS: 5182 (Part-10):1999,RA-2014

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

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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



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



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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000067F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/04
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/P-56/21-22/04
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near PCM Side, Boundary Wall			Date of sampling : 15-16.12.2021	
Sampling Done by: S.Ghosh			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	95	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter PM _{2.5} in µg/m ³	58	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.7	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.8	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	1030	2000	IS: 5182 (Part-10):1999,RA-2014

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

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

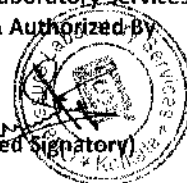
Name & Address Of the Customer :	ULR No. : TC627121000003004F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/549
Vill + P.O. : Gopalpur	Date : 13.12.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/549
Paschim Bardhaman	Date of Performance : 06-13.12.2021
West Bengal – 713 212	Sample Description : Ambient Air
	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near Boundary Wall- North East Side			Date of sampling : 01-02.12.2021	
Sampling Done by: S.Ghosh/P.Mondal			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	71	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter PM _{2.5} in µg/m ³	46	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	30.9	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	664	2000	IS: 5182 (Part-10):1999,RA-2014
6	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.				

For Qualissure Laboratory Services
Reviewed & Authorized by

(Authorized Signatory)



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



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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002699F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/473
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/473
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref.No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near CPP Cooling Tower			Date of sampling :23-24.10.2021	
Sampling Done by: S.Ghosh/J.Sahana			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	81	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	25.1	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	606	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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



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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002700F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/474
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/474
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near Store & Admin Area			Date of sampling : 023-24.10.2021	
Sampling Done by: S.Ghosh/J.Sahana			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	69	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter PM _{2.5} in µg/m ³	37	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.8	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	24.7	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	984	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

for Qualissure Laboratory Services
Reviewed & Authorized By



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



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

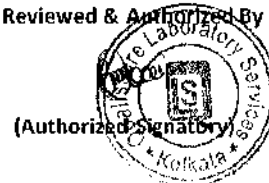
TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002701F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/475
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/475
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref.No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near PCM Side, Boundary Wall			Date of sampling : 22-23.10.2021	
Sampling Done by: S.Ghosh/J.Sahana			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	68	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter PM _{2.5} in µg/m ³	35	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	5.6	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	24.5	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	675	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

for Qualissure Laboratory Services
Reviewed & Authorized By



(Authorized Signatory)

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



Qualissure Laboratory Services



TC-6271

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

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002702F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/476
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/476
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal - 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near Boundary Wall- North East Side			Date of sampling : 24-25.10.2021	
Sampling Done by: S.Ghosh/J.Sahana			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 $\mu\text{g}/\text{m}^3$	62	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in $\mu\text{g}/\text{m}^3$	37	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	6.0	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	25.4	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	755	2000	IS: 5182 (Part-10):1999,RA-2014
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

For Qualissure Laboratory Services
Reviewed & Authorized by

(Authorized Signatory)



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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002698F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/472
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/472
Paschim Bardhaman	Sample Description : Ambient Air
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Near Main Gate			Date of sampling : 22-23.10.2021	
Sampling Done by: S.Ghosh/J.Sahana			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	90	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter PM _{2.5} in µg/m ³	54	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	28.5	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	1030	2000	IS: 5182 (Part-10):1999,RA-2014
6	Lead (Pb) in µg/m ³	0.12	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

for Qualissure Laboratory Services
 Reviewed & Authorized By



(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000626F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/687
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/687
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Near Hot Metal Bay		Date of sampling : 11.02.2022	
Sampling Done by: S. Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	376	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	170	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	11.8	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	36.0	IS: 5182 (Part- 6)-2012
NOTE: ---			

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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

L

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



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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000627F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/688
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/688
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Near Tail ESP		Date of sampling : 12.02.2022	
Sampling Done by: S. Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	525	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	312	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	10.8	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	35.1	IS: 5182 (Part- 6)-2012
NOTE: ----			

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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



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/08-A/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000629F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/690
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/690
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Near Head ESP		Date of sampling : 12.02.2022	
Sampling Done by: S. Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	319	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	154	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	8.8	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	30.4	IS: 5182 (Part- 6)-2012
NOTE: ---			

for Qualissure Laboratory Services
Reviewed & Authorized By


(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000003432F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/557
Vill + P.O. : Gopalpur	Date : 21.12.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/557
Paschim Bardhaman	Date of Performance : 06-13.12.2021
West Bengal – 713 212	Sample Description : Work Zone Monitoring
	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location: Inside Stock House		Date of sampling : 01.12.2021		
Sampling Done by: S.Ghosh/J.Sahana		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	391	4000	IS: 5182 (Part-23), RA-2017
2	Sulphur dioxide (SO ₂) in µg/m ³	10.2	200	IS: 5182 (Part-2)-2001, RA-2017
3	Nitrogen dioxide (NO ₂) in µg/m ³	32.1	150	IS: 5182 (Part- 6)-2006, RA-2017
4	Carbon Monoxide (CO) in µg/m ³	1008	5000	IS: 5182 (Part-10):1999,RA-2014
5	Lead (Pb) in µg/m ³	0.23	2	EPA IO-3.2 & 5.0
NOTE: Limit as per Environment (Protection) act 1986,				

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)



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

L

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



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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627121000003433F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/21-22/C/558
Vill + P.O. : Gopalpur	Date	: 20.12.2021
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/21-22/558
Paschim Bardhaman	Date of Performance	: 06-13.12.2021
West Bengal – 713 212	Sample Description	: Work Zone Monitoring
	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Location: Inside Cast House		Date of sampling : 02.12.2021		
Sampling Done by: S.Ghosh/J.Sahana		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Clear & Sunny				
Sl. No.	Pollutants	Result	Limit	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	686	4000	IS: 5182 (Part-23), RA-2017
2	Sulphur dioxide (SO ₂) in µg/m ³	13.6	200	IS: 5182 (Part-2)-2001, RA-2017
3	Nitrogen dioxide (NO ₂) in µg/m ³	34.9	150	IS: 5182 (Part- 6)-2006, RA-2017
4	Carbon Monoxide (CO) in µg/m ³	1716	5000	IS: 5182 (Part-10):1999,RA-2014
5	Lead (Pb) in µg/m ³	0.47	2	EPA IO-3.2 & 5.0
NOTE: Limit as per Environment (Protection) act 1986,				

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000072F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/09
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/P-56/21-22/09
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Near Tail ESP		Date of sampling : 18.12.2021	
Sampling Done by: S. Ghosh		Sampling done as per : CPCB Guidelines (Volume 1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	440	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	195	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	9.0	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
NOTE: -----			

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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



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



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

TEST REPORT

Name & Address Of the Customer :	ULR No. :	TC627122000000071F
M/s. Neo Metaliks Ltd.	Report No. :	QLS/P-56/21-22/C/08
Vill + P.O. : Gopalpur	Date :	13.01.2022
P.S. : Kanksa,Durgapur	Sample No. :	QLS/P-56/21-22/08
Paschim Bardhaman	Sample Description :	Work Zone Monitoring
West Bengal – 713 212	Ref No: Date :	W120206-01, Dated: 06.02.2021

Analysis Result

Location : Hot Metal Bay		Date of sampling : 17.12.2021	
Sampling Done by: S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	429	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	206	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	9.6	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	29.9	IS: 5182 (Part- 6)-2012
NOTE: ---			

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)



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



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/08-A/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000070F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/07
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/07
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Ground Hopper		Date of sampling : 17.12.2021	
Sampling Done by: S. Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	540	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	286	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 $\mu\text{g}/\text{m}^3$	27.9	IS: 5182 (Part- 6)-2012
NOTE: ---			

for Qualissure Laboratory Services
Reviewed & Authorized By



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



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/08-A/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000069F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/06
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/06
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Near Head ESP		Date of sampling : 18.12.2021	
Sampling Done by: S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	524	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	236	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.8	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
NOTE: ---			

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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



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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002704F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/478
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/21-22/478
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Near Head ESP		Date of sampling : 25.10.2021	
Sampling Done by: S.Ghosh/J.Sahana		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	313	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	187	IS 5182: Part-23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.8	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	27.8	IS: 5182 (Part- 6)-2012
NOTE: -----			

for Qualissure Laboratory Services
Reviewed & Authorized by

(Authorized Signatory)



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



QUALISSURE LABORATORY SERVICES



TC-6271

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/08-A/00

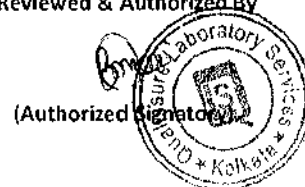
TEST REPORT

Name & Address Of the Customer :	ULR No. :	TC627121000002705F
M/s. Neo Metaliks Ltd.	Report No. :	QLS/A/21-22/C/479
Vill + P.O. : Gopalpur	Date :	11.11.2021
P.S. : Kanksa,Durgapur	Sample No. :	QLS/A/21-22/479
Paschim Bardhaman	Sample Description :	Work Zone Monitoring
West Bengal – 713 212	Ref.No. Date :	W120206-01, Dated: 06.02.2021

Analysis Result

Location : Ground Hopper		Date of sampling : 25.10.2021	
Sampling Done by: S. Ghosh/J.Sahana		Sampling done as per :CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	350	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	180	IS 5182: Part-23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.2	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	27.1	IS: 5182 (Part- 6)-2012
NOTE: ---			

for Qualissure Laboratory Services
Reviewed & Authorized By



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



Qualissure Laboratory Services



TC-6271

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

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

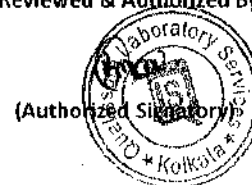
TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002706F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/480
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/480
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Ref.No-Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Hot Metal Bay		Date of sampling : 24.11.2021	
Sampling Done by: S.Ghosh/J.Sahana		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	256	IS 5182 : Part-4-1999, (RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	120	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 $\mu\text{g}/\text{m}^3$	28.7	IS: 5182 (Part- 6)-2012
NOTE: —			

for Qualissure Laboratory Services
Reviewed & Authorized By



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



Qualissure Laboratory Services



TC-6271

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

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627121000002707F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/481
Vill + P.O. : Gopalpur	Date : 11.11.2021
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/481
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

Location : Near Tail ESP		Date of sampling : 25.10.2021	
Sampling Done by: S. Ghosh/J.Sahana		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Clear & Sunny			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	256	IS 5182 : Part-4-1999, (RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	135	IS 5182 : Part-23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.8	IS: 5182 (Part-2)-2001, (RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	28.0	IS: 5182 (Part- 6)-2012
NOTE: ---			

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)



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



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



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


TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC62712200000634F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/W/21-22/C/463
Vill + P.O. : Gopalpur	Date	: 07.03.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/W/21-22/463
Paschim Bardhaman	Sample Description	: Domestic Waste Water
West Bengal - 713 212	Sample Location	: Near Main Gate Canteen Outlet
	Sample Drawn On	: 12.02.2022
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Date of Performance	: 14.02.2022-26.02.2022
	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1	pH at 25°C	APHA 23 rd Edition-2017, 4500H+	7.11	5.5 to 9.0	5.5 to 9.0
2	Total Suspended Solid in mg/l	APHA 23 rd Edition-2017, 2540D	32	100	600
3	Chemical Oxygen Demand (as COD) mg/l	APHA 23 rd Edition-2017, 5220B	94	250	---
4	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2014	24	30	350
5	Oil & Grease in mg/l	APHA 23 rd Edition-2017, 5520A	4.8	10	20

for Qualissure Laboratory Services
Reviewed & Authorized By


(Authorized Signatory)

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



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/08-D/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC62712200000633F
M/s. Neo Metaliks Ltd.	Report No. : QLS/W/21-22/C/462
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/W/21-22/462
Paschim Bardhaman	Sample Description : Waste Water
West Bengal – 713 212	Sample Location : Boiler Blow down
	Sample Drawn On : 12.02.2022
	Date of Performance : 14.02.2022-26.02.2022
	Sampling Method : IS 3025(Part 1): 1987 (RA 2019)
	Ref No. Date : W120206-01, Dated: 06.02.2021

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+	8.41	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid in mg/l	APHA 23 rd Edition-2017, 2540 D	<2.5	100	600
3.	Oil & Grease in mg/l	APHA 23 rd Edition-2017, 5520 A	< 1.4	10	20

for Qualissure Laboratory Services
Reviewed & Authorized By



R. Roy
(Authorized Signatory)

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



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/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 – 713212	ULR No.	: TC627122000000081F
	Report No.	: QLS/P-56/21-22/C/18
	Date	: 13.01.2022
	Sample No.	: QLS/P-56/21-22/18
	Sample Description	: Domestic Waste Water
	Sample Location	: Near Main Gate Canteen Outlet
	Sample Drawn On	: 18.12.2021
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Date of Performance	: 20.12.2021-12.01.2022
	Ref No. Date	: W120206-01, Dated: 06.02.2021

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+	7.36	5.5 to 9.0	5.5 to 9.0
2	Total Suspended Solid in mg/l	APHA 23 rd Edition-2017, 2540D	44	100	600
3	Chemical Oxygen Demand (as COD) mg/l	APHA 23 rd Edition-2017, 5220B	122	250	---
4	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2014	25	30	350
5	Oil & Grease in mg/l	APHA 23 rd Edition-2017, 5520A	4.2	10	20

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)



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

L

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



TC-6271

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 – 713212	ULR No.	: TC627122000000080F
	Report No.	: QLS/P-56/21-22/C/17
	Date	: 13.01.2022
	Sample No.	: QLS/P-56/21-22/17
	Sample Description	: Process Waste Water
	Sample Location	: CPP Cooling Tower Blow down
	Sample Drawn On	: 18.12.2021
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Date of Performance	: 20.12.2021-12.01.2022
	Ref No. Date	: W120206-01, Dated: 06.02.2021

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+	7.44	5.5 to 9.0	5.5 to 9.0
2.	Total Suspended Solid in mg/l	APHA 23 rd Edition-2017, 2540 D	<2.5	100	600
3.	Oil & Grease in mg/l	APHA 23 rd Edition-2017, 5520 A	< 1.4	10	20

for Qualissure Laboratory Services
 Reviewed & Authorized By



(Authorized Signatory)

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



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



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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/W/21-22/C/579
M/s. Neo Metaliks Ltd.	Date	: 19.11.2021
Vill + P.O. : Gopalpur	Sample No.	: QLS/W/21-22/579
P.S. : Kanksa, Durgapur	Sample Description	: Domestic Waste Water
Paschim Bardhaman	Sample Location	: Near Main Gate Canteen Outlet
West Bengal – 713212	Sample Drawn On	: 15.10.2021
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Date of Performance	: 17 – 19.11.2021
	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1	pH at 25°C	APHA 23 rd Edition-2017, 4500H+	7.16	5.5 to 9.0	5.5 to 9.0
2	Total Suspended Solid in mg/l	APHA 23 rd Edition-2017, 2540D	41	100	600
3	Chemical Oxygen Demand (as COD) mg/l	APHA 23 rd Edition-2017, 5220B	86	250	---
4	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2014	21	30	350
5	Oil & Grease in mg/l	APHA 23 rd Edition-2017, 5520A	4.2	10	20

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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

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

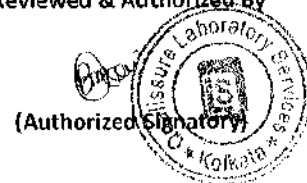
TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/W/21-22/C/579
M/s. Neo Metaliks Ltd.	Date	: 19.11.2021
Vill + P.O. : Gopalpur	Sample No.	: QLS/W/21-22/579
P.S. : Kanksa, Durgapur	Sample Description	: Domestic Waste Water
Paschim Bardhaman	Sample Location	: Near Main Gate Canteen Outlet
West Bengal – 713212	Sample Drawn On	: 15.10.2021
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Date of Performance	: 17 – 19.11.2021
	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

Sl. No.	Parameter	TEST METHOD	Result	Limit as per CPCB for discharge of effluents	
				Inland Surface Water	Public Sewers
1	pH at 25°C	APHA 23 rd Edition-2017, 4500H+	7.16	5.5 to 9.0	5.5 to 9.0
2	Total Suspended Solid in mg/l	APHA 23 rd Edition-2017, 2540D	41	100	600
3	Chemical Oxygen Demand (as COD) mg/l	APHA 23 rd Edition-2017, 5220B	86	250	---
4	Biochemical Oxygen Demand (as BOD) mg/l	IS 3025 (Part 44)-1993, RA:2014	21	30	350
5	Oil & Grease in mg/l	APHA 23 rd Edition-2017, 5520A	4.2	10	20

for Qualissure Laboratory Services
Reviewed & Authorized By



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



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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000631F
M/s. Neo Metaliks Ltd.	Report No. : QLS/W/21-22/C/460
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/W/21-22/460
Paschim Bardhaman	Sample Description : Drinking Water
West Bengal – 713212	Sample Mark/ Location : Canteen Area
	Sample Drawn On : 12.02.2022
	Date of Performance : 14.02.2022-26.02.2022
	Sampling Method : IS 3025(Part 1): 1987 (RA 2019)
	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result

(A) Microbiological Analysis

Sr.No.	Characteristic	Limit as Per IS 10500 :2012 Amd. 2	Test Method	Result
1.	E.coli/100ml	Not Detectable	IS 15185-2016	Not Detected
2.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. No. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 1983 (RA 2012)	5	15	<1.0
2.	Odour	IS 3025 (Part 5): 1983 (RA 2012)	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 1984 (RA 2012)	6.5-8.5	No Relaxation	7.67
4.	Turbidity in NTU	IS 3025 (Part 10): 1984 (RA 2012)	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 1984 (RA 2012)	500	2000	150
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2014)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2014)	0.5	No Relaxation	<0.1
8.	Anionic Detergents(as MBAS) in mg/l	IS 13428-2005(Annex K)	0.2	1.0	<0.02
9.	Boron(as B) in mg/l	IS 13428-2005(Annex L)	0.5	2.4	<0.5
10.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 1991(RA 2014)	75	200	34.9
11.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	29.8
12.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2014)	0.05	1.5	<0.02
13.	Fluoride(as F) in mg/l	APHA 23rd Edition 2017, 4500 F D	1.0	1.5	<0.1
14.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 1986(RA 2014)	0.2	1.0	<0.1
15.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2014)	1.0	No Relaxation	<0.05
16.	Magnesium(as Mg) in mg/l	IS 3025 (Part 46): 1994(RA 2014)	30	100	9.4
17.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2006 (RA 2014)	0.1	0.3	<0.02
18.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2014)	45	No Relaxation	<0.5
19.	Phenolic Compounds(as C ₆ H ₅ OH) in mg/l	IS 3025 (Part 43): 1992(RA 2014)	0.001	0.002	<0.001
20.	Selenium(as Se) in mg/l	IS 15303: 2003 (RA 2013)	0.01	No Relaxation	<0.01
21.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): 1986 (RA 2014)	200	400	<1.0
22.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986(RA 2014)	200	600	79
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	126.4
24.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 1992(RA 2014)	0.003	No Relaxation	<0.002
25.	Cyanide(as CN) in mg/l	IS 3025 (Part 27): 1986(RA 2014)	0.05	No Relaxation	<0.02
26.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2014)	0.01	No Relaxation	<0.01
27.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2014)	0.001	No Relaxation	<0.001
28.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 1988 (RA 2014)	0.01	No Relaxation	<0.01
29.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2014)	5	15	<0.02
30.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014(RA 2014)	0.05	No Relaxation	<0.05

For Qualissure Laboratory Services

Reviewed & Authorized By

R. Roy

(Authorized Signatory)

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



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

TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000000632F
	Report No.	: QLS/W/21-22/C/461
M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713212	Date	: 07.03.2022
	Sample No.	: QLS/W/21-22/461
	Sample Description	: Drinking Water
	Sample Mark/ Location	: Admin Building RO
	Sample Drawn On	: 12.02.2022
	Date of Performance	: 14.02.2022-26.02.2022
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result

(A) Microbiological Analysis

Sl.No.	Characteristic	Limit as Per IS 10500 :2012Amd. 2	Test Method	Result
1.	E.coli/100ml	Not Detectable	IS 15185-2016	Not Detected
2.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012 Amd. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 1983 (RA 2012)	5	15	<1.0
2.	Odour	IS 3025 (Part 5): 1983 (RA 2012)	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 1984 (RA 2012)	6.5-8.5	No Relaxation	6.80
4.	Turbidity in NTU	IS 3025 (Part 10): 1984 (RA 2012)	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 1984 (RA 2012)	500	2000	162
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2014)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2014)	0.5	No Relaxation	<0.1
8.	Anionic Detergents(as MBAS) in mg/l	IS 13428:2005(Annex K)	0.2	1.0	<0.02
9.	Boron(as B) in mg/l	IS 13428:2005(Annex I)	0.5	2.4	<0.5
10.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 1991(RA 2014)	75	200	13.9
11.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	31.8
12.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2014)	0.05	1.5	<0.02
13.	Fluoride(as F) in mg/l	APHA 23rd Edition 2017, 4500 F D	1.0	1.5	<0.1
14.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 1986(RA 2014)	0.2	1.0	<0.1
15.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2014)	1.0	No Relaxation	<0.05
16.	Magnesium(as Mg) in mg/l	IS 3025 (Part 46): 1994(RA 2014)	30	100	4.2
17.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2006 (RA 2014)	0.1	0.3	<0.02
18.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2014)	45	No Relaxation	<0.05
19.	Phenolic Compounds(as C ₆ H ₅ OH) in mg/l	IS 3025 (Part 43): 1992(RA 2014)	0.001	0.002	<0.001
20.	Selenium(as Se) in mg/l	IS 15303: 2003 (RA 2013)	0.01	No Relaxation	<0.01
21.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): 1986 (RA 2014)	200	400	<1.0
22.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986(RA 2014)	200	600	87.4
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	52.3
24.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 1992(RA 2014)	0.003	No Relaxation	<0.002
25.	Cyanide(as CN) in mg/l	IS 3025 (Part 27): 1986(RA 2014)	0.05	No Relaxation	<0.02
26.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2014)	0.01	No Relaxation	<0.01
27.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2014)	0.001	No Relaxation	<0.001
28.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 1988 (RA 2014)	0.01	No Relaxation	<0.01
29.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2014)	5	15	<0.02
30.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014(RA 2014)	0.05	No Relaxation	<0.05

For Qualissure Laboratory Services

Reviewed & Authorized By

R. Roy
(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000000082F
	Report No.	: QLS/P-56/21-22/C/19
M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713212	Date	: 13.01.2022
	Sample No.	: QLS/P-56/21-22/19
	Sample Description	: Drinking Water
	Sample Mark/ Location	: Main Canteen
	Sample Drawn On	: 18.12.2021
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Date of Performance	: 20.12.2021-12.01.2022
	Ref No. Date	: W120206-01, Dated: 06.02.2021

(A) Microbiological Analysis

Sl.No.	Characteristic	Limit as Per IS 10500:2012Amd. 2	Test Method	Result
1.	E.coli/100ml	Not Detectable	IS 15185-2016	Not Detected
	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012Amd. 1 & 2		Result
			Acceptable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 1983 (RA 2012)	5	15	<1.0
2.	Odour	IS 3025 (Part 5): 1983 (RA 2012)	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 1984 (RA 2012)	6.5-8.5	No Relaxation	6.82
4.	Turbidity in NTU	IS 3025 (Part 10): 1984 (RA 2012)	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 1984 (RA 2012)	500	2000	244
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2014)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2014)	0.5	No Relaxation	<0.1
8.	Anionic Detergents(as MBAS) in mg/l	IS 13428-2005(Annex K)	0.2	1.0	<0.02
9.	Boron(as B) in mg/l	IS 13428-2005(Annex L)	0.5	2.4	<0.5
10.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 1991(RA 2014)	75	200	46.8
11.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	20.2
12.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2014)	0.05	1.5	<0.02
13.	Fluoride(as F) in mg/l	APHA 23rd Edition 2017, 4500 F D	1.0	1.5	<0.1
14.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 1986(RA 2014)	0.2	1.0	<0.1
15.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2014)	1.0	No Relaxation	0.11
16.	Magnesium(as Mg) in mg/l	IS 3025 (Part 46): 1994(RA 2014)	30	100	9.4
17.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2006 (RA 2014)	0.1	0.3	<0.02
18.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2014)	45	No Relaxation	1.4
19.	Phenolic Compounds(as C ₆ H ₅ OH) in mg/l	IS 3025 (Part 43): 1992(RA 2014)	0.001	0.002	<0.001
20.	Selenium(as Se) in mg/l	IS 15303: 2003 (RA 2013)	0.01	No Relaxation	<0.01
21.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): 1986 (RA 2014)	200	400	7.4
22.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986(RA 2014)	200	600	148
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	156
24.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 1992(RA 2014)	0.003	No Relaxation	<0.002
25.	Cyanide(as CN) in mg/l	IS 3025 (Part 27): 1986(RA 2014)	0.05	No Relaxation	<0.02
26.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2014)	0.01	No Relaxation	<0.01
27.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2014)	0.001	No Relaxation	<0.001
28.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 1988 (RA 2014)	0.01	No Relaxation	<0.01
29.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2014)	5	15	<0.02
30.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014(RA 2014)	0.05	No Relaxation	<0.05

For Qualissure Laboratory Services

Reviewed & Authorized By

(Authorized Signatory)

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



TC-6271

361, Prantik Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : professor@qualissure.com; info@qualissure.com; Mob.No. 98312 87086 ; 9830993976

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627121000002688F
	Report No.	: QLS/W/21-22/C/274
M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713212	Date	: 11.11.2021
	Sample No.	: QLS/W/21-22/274
	Sample Description	: Drinking Water
	Sample Mark/ Location	: MBF Plant Near Cooling Tower
	Sample Drawn On	: 23.10.2021
	Ref No. Date	: W120206-01, Dated: 06.02.2021

(A) Microbiological Analysis

Sl.No.	Characteristic	Limit as Per IS 10500:2012Amd. 2	Test Method	Result
1.	E.coli/100ml	Not Detectable	IS 15185-2016	Not Detected
2.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012Amd. 1 & 2		Result
			Desirable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 1983 (RA 2012)	5	15	<1.0
2.	Odour	IS 3025 (Part 5): 1983 (RA 2012)	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 1984 (RA 2012)	6.5-8.5	No Relaxation	7.24
4.	Turbidity in NTU	IS 3025 (Part 10): 1984 (RA 2012)	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 1984 (RA 2012)	500	2000	249.0
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2014)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988(RA 2014)	0.5	No Relaxation	<0.1
8.	Anionic Detergents(as MBAS) in mg/l	IS 13428-2005(Annex K)	0.2	1.0	<0.02
9.	Boron(as B) in mg/l	IS 13428-2005(Annex L)	0.5	2.4	<0.5
10.	Calcium(as Ca) in mg/l	IS 3025 (Part 40): 1991(RA 2014)	75	200	44.0
11.	Chloride(as Cl) in mg/l	IS 3025 (Part 32): 1988(RA 2014)	250	1000	24.99
12.	Copper(as Cu) in mg/l	IS 3025 (Part 42): 1992(RA 2014)	0.05	1.5	<0.02
13.	Fluoride(as F) in mg/l	IS 3025 (Part 60): 2008(RA 2013)	1.0	1.5	<0.1
14.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 1986(RA 2014)	0.2	1.0	<0.1
15.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988(RA 2014)	1.0	No Relaxation	0.21
16.	Magnesium(as Mg) in mg/l	IS 3025 (Part 46): 1994(RA 2014)	30	100	18.0
17.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2006 (RA 2014)	0.1	0.3	<0.02
18.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988(RA 2014)	45	No Relaxation	4.78
19.	Phenolic Compounds(as C ₆ H ₅ OH) in mg/l	IS 3025 (Part 43): 1992(RA 2014)	0.001	0.002	<0.001
20.	Selenium(as Se) in mg/l	IS 15303: 2003 (RA 2013)	0.01	No Relaxation	<0.01
21.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): 1986(RA 2014)	200	400	12.43
22.	Alkalinity(as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986(RA 2014)	200	600	160.0
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	185.0
24.	Cadmium(as Cd) in mg/l	IS 3025 (Part 41): 1992(RA 2014)	0.003	No Relaxation	<0.002
25.	Cyanide(as CN) in mg/l	IS 3025 (Part 27): 1986(RA 2014)	0.05	No Relaxation	<0.02
26.	Lead(as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2014)	0.01	No Relaxation	<0.01
27.	Mercury(as Hg) in mg/l	IS 3025 (Part 48): 1994(RA 2014)	0.001	No Relaxation	<0.001
28.	Arsenic(as As) in mg/l	IS 3025 (Part 37): 1988 (RA 2014)	0.01	No Relaxation	<0.01
29.	Zinc(as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2014)	5	15	<0.02
30.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014(RA 2014)	0.05	No Relaxation	<0.05

For Qualissure Laboratory Services
Reviewed & Authorized By



Authorized Signatory)

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

**TEST REPORT**

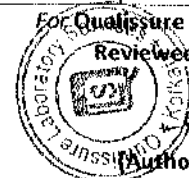
Name & Address Of the Customer :		ULR No.	: TC627121000002689F
M/s. Neo Metaliks Ltd.		Report No.	: QLS/W/21-22/C/275
Vill + P.O. : Gopalpur		Date	: 11.11.2021
P.S. : Kanksa, Durgapur		Sample No.	: QLS/W/21-22/275
Paschim Bardhaman		Sample Description	: Drinking Water
West Bengal – 713212		Sample Mark/ Location	: Main Canteen
		Sample Drawn On	: 23.10.2021
		Ref No., Date	: W120206-01, Dated: 06.02.2021

(A) Microbiological Analysis

Sl.No.	Characteristic	Limit as Per IS 10500:2012Amd. 2	Test Method	Result
1.	E.coli/100ml	Not Detectable	IS 15185-2016	Not Detected
2.	Total Coliform Bacteria/100ml	Not Detectable	IS 15185-2016	Not Detected

(B) Chemical Analysis

Sl. No.	Test Parameter	Test Method	IS 10500:2012Amd. 1 & 2		Result
			Desirable Limit	Permissible Limit	
1.	Colour in Hazen Units	IS 3025 (Part 4): 1983 (RA 2012)	5	15	<1.0
2.	Odour	IS 3025 (Part 5): 1983 (RA 2012)	Agreeable	Agreeable	Agreeable
3.	pH Value at 25°C	IS 3025 (Part 11): 1984 (RA 2012)	6.5-8.5	No Relaxation	6.64
4.	Turbidity in NTU	IS 3025 (Part 10): 1984 (RA 2012)	1	5	<1.0
5.	Total Dissolved Solids (as TDS) in mg/l	IS 3025 (Part 16): 1984 (RA 2012)	500	2000	238.0
6.	Aluminium (as Al) in mg/l	IS 3025 (Part 55): 2003 (RA 2014)	0.03	0.2	<0.01
7.	Ammonia as NH ₃ in mg/l	IS 3025 (Part 34): 1988 (RA 2014)	0.5	No Relaxation	<0.1
8.	Anionic Detergents (as MBAS) in mg/l	IS 13428-2005 (Annex K)	0.2	1.0	<0.02
9.	Boron (as B) in mg/l	IS 13428-2005 (Annex L)	0.5	2.4	<0.5
10.	Calcium (as Ca) in mg/l	IS 3025 (Part 40): 1991 (RA 2014)	75	200	34.0
11.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	19.63
12.	Copper (as Cu) in mg/l	IS 3025 (Part 42): 1992 (RA 2014)	0.05	1.5	<0.02
13.	Fluoride (as F) in mg/l	IS 3025 (Part 60): 2008 (RA 2013)	1.0	1.5	<0.1
14.	Free Residual Chlorine in mg/l	IS 3025 (Part 26): 1986 (RA 2014)	0.2	1.0	<0.1
15.	Iron (as Fe) in mg/l	IS 3025 (Part 53): 1988 (RA 2014)	1.0	No Relaxation	0.18
16.	Magnesium (as Mg) in mg/l	IS 3025 (Part 46): 1994 (RA 2014)	30	100	18.48
17.	Manganese (as Mn) in mg/l	IS 3025 (Part 59): 2006 (RA 2014)	0.1	0.3	<0.02
18.	Nitrate (as NO ₃) in mg/l	IS 3025 (Part 34): 1988 (RA 2014)	45	No Relaxation	2.89
19.	Phenolic Compounds (as C ₆ H ₅ OH) in mg/l	IS 3025 (Part 43): 1992 (RA 2014)	0.001	0.002	<0.001
20.	Selenium (as Se) in mg/l	IS 15303: 2003 (RA 2013)	0.01	No Relaxation	<0.01
21.	Sulphate (as SO ₄) in mg/l	IS 3025 (Part 24): 1986 (RA 2014)	200	400	6.58
22.	Alkalinity (as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986 (RA 2014)	200	600	154.0
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	162.0
24.	Cadmium (as Cd) in mg/l	IS 3025 (Part 41): 1992 (RA 2014)	0.003	No Relaxation	<0.002
25.	Cyanide (as CN) in mg/l	IS 3025 (Part 27): 1986 (RA 2014)	0.05	No Relaxation	<0.02
26.	Lead (as Pb) in mg/l	IS 3025 (Part 47): 1994 (RA 2014)	0.01	No Relaxation	<0.01
27.	Mercury (as Hg) in mg/l	IS 3025 (Part 48): 1994 (RA 2014)	0.001	No Relaxation	<0.001
28.	Arsenic (as As) in mg/l	IS 3025 (Part 37): 1988 (RA 2014)	0.01	No Relaxation	<0.01
29.	Zinc (as Zn) in mg/l	IS 3025 (Part 49): 1994 (RA 2014)	5	15	<0.02
30.	Total Chromium (as Cr) in mg/l	IS 3025 (Part 52): 2014 (RA 2014)	0.05	No Relaxation	<0.05

For Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)

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

Plantation

Annexure-II













FROM : NEO SITE

FAX NO. : 03432520948

Oct. 24 2005 05:10PM P1

KJA: MR. D. GHOSH, HO, KOL.

ASANSOL DURGAPUR DEVELOPMENT AUTHORITY

(A Statutory body of the Government of West Bengal)

City Centre, Durgapur-713 216, West Bengal

Phone NOX DGP : (0343) 254 6815/254 6716

Durgapur Office : 254-6889

Fax DGP : (0343) 254-6685

e-mail : dgp_addadgp@sanchamnet.in

Asansol Office :

G. T. Road (East) Asansol

Ph : (0341) 220-3004/220-2242

Fax No. : (0341) 220-5374

Ref. No. ADDA/DGP/ ED/CN-79/04-05/1428

From

Chief Executive Officer,
Asansol Durgapur Dev. Authority
City Centre, Durgapur-16.Date: 13.7.05

To

Neo Metaliks Ltd.
Park Plaza
714, Park street, 3E (North Block)
Kolkata-700016.

Sub:- Water line for your Mega Project at Gopalpur, Durgapur-12

Sir,

Please refer to your letter Ref. Nil. Dated 06.06.2004 on the above referred subject and be informed that we have planned to meet your requirement of 2090.10m³/day from HFCL water treatment plant.

We will be drawing a pipeline of 355 mm O.D.HDPE pipe of 5.87 km long to meet your requirement. A pump house including pumps and motor set and other ancillary work is to be constructed and installed as required.

The total rough cost estimate has been worked out to be Rs.159.00 lakhs.

As we are creating a total infrastructure of water supply to Bamunara - Banskopa Industrial complex some infrastructure development cost is expected to be shared by our company over and above the standard fees and security money charged by the Authority.

In view of the above you are requested to deposit Rs.36.78 lakhs which is approximately 33.00% of the pipe line material cost at 20% discount only at the earliest to enable us to take further steps for implementation of the scheme.

Thanking you.

Yours faithfully,

Chief Executive Officer,
Asansol Durgapur Dev. Authority.

13/7/2005

Ref. No. ADDA/DGP/

Dated

Copy forwarded to:-

- 1) The Secretary, Bamunara Industries Association R.T.F. Ltd.
Lanin Sarani, Durgapur.

Chief Executive Officer,
Asansol Durgapur Dev. Authority.



M/S. SIA CEMENTO PRIVATE LIMITED

Office : Opposite Gaighata Hindi F. P. School, N.H.- 60, Gaighata More,
P.O.- Haripur, Dist.- Paschim Bardhaman, Pin - 713378 (W.B.)

Ref No. 518/21-22/12

Date 7/10/21

To

Sales Officer

Neo Metalics Ltd.

Mucchipara, Durgapur.

Dear Sir,

We would like to inform you that our installed production capacity is 500 Metric Tonne /day or 15000 Metric Tonne/ month.

We manufacture PSC cement with the brand name CEM-X CEMENT and have our sales network in Bihar, Jharkhand and West Bengal .

Thanking you

Yours Truly

SIA CEMENTO PVT. LTD.


Director

WEST BENGAL WASTE MANAGEMENT LIMITED

J.L. No. - 103, Mouza - Purba Srikrishnapur, P.O. & P.S. - Sutahata, PIN - 721635, Haldia, Dist. - Purba Medinipur, West Bengal

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	NEOMETALIKS LTD. VW+ P.O. - Gopalpur, P.S. - Kanks Dist. - Paschim Bardhaman Durgapur - 713212		
2	Sender's authorization No. :	38/25(HW)-2497/2009		
3	Manifest Document No. :	1 14729		
4	Transporter's name and address (including Phone No. and e-mail)	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 72163 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com		
5	Type of vehicle :	(Truck/Tanker/Special Vehicle)		
6	Transporter's registration No. :	1-MD(E)/X/06		
7	Vehicle registration No. :	WB-31 N 0085		
8	Receiver's name and mailing address (including Phone No. and e-mail)	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 72163 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com		
9	Receiver's authorization No. :	160/25(HW)-1506/2003 (P.T.V)		
10	Waste description :	Waste oil, Category - 5.2		
11	Total quantity No. of Containers :	0-31 m3 or MT Nos.		
12	Physical form :	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)		
13	Special handling instructions and additional information	Handling with care		
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations.		
	Name and stamp Signature	Day	Month	Year
	Malay Kumar Samanta	05	04	2021
15	Transporter acknowledgement of receipt of wastes :			
	Name and stamp Signature	Day	Month	Year
	SKH	05	04	2021
16	Receiver's certification for receipt of hazardous and other waste :			
	Name and stamp Signature	Day	Month	Year

1. White Colour forwarded to WBPCB by HzW Sender
3. Pink Colour retained by HzW Receiver
5. Green Colour forwarded to WBPCP after disposal by HzW Receiver

2. Yellow Colour retained by HzW sender
4. Orange Colour retained by transporter
6. Blue Colour returned to sender after disposal by HzW Receiver

WEST BENGAL WASTE MANAGEMENT LIMITED

J.L. No. - 103, Mouza - Purba Srikrishnapur, P.O. & P.S. - Sutahata, PIN - 721635, Haldia, Dist. - Purba Medinipur, West Bengal

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail) :	NEO METALIKS LTD. Vill + P.O. - Gopalpur, P.S. - Kank Dist. - Paschim Bardhaman Durgapur - 713212.
2	Sender's authorization No. :	38/25(HW)-2497/2009
3	Manifest Document No. :	14728
4	Transporter's name and address (including Phone No. and e-mail) :	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 721635 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com
5	Type of vehicle :	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No. :	1-MD(E)/X/06
7	Vehicle registration No. :	WB-31 N0085
8	Receiver's name and mailing address (including Phone No. and e-mail) :	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 721635 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com
9	Receiver's authorization No. :	160/25(HW)-1506/2003(Pl. IV)
10	Waste description :	DG Set Filter, Category-36.2
11	Total quantity No. of Containers :	0.04 m3 or MT Nos.
12	Physical form :	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Handling with care.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations.
	Name and stamp Signature	Day Month Year 05 02 2021
15	Transporter acknowledgement of receipt of Wastes :	
	Name and stamp Signature	Day Month Year 05 04 2021
16	Receiver's certification for receipt of hazardous and other waste :	
	Name and stamp Signature	Day Month Year

1. White Colour forwarded to WBPCB by HzW Sender

3. Pink Colour retained by HzW Receiver

5. Green Colour forwarded to WBPCB after disposal by HzW Receiver

2. Yellow Colour retained by HzW sender

4. Orange Colour retained by transporter

6. Blue Colour returned to sender after disposal by HzW Recd

WEST BENGAL WASTE MANAGEMENT LIMITED

J.L. No. - 103, Mouza - Purba Srikrishnapur, P.O. & P.S. - Sutahata, PIN - 721635, Haldia, Dist. - Purba Medinipur, West Bengal

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail):	NEO METALIKS LTD. Vill + P.O. - Gopalpur, P.S. - Kank Dist. - Paschim Bardhaman, Burgapur - 713212			
2	Sender's authorization No.:	38/25(HW)-2497/2009			
3	Manifest Document No.:	1 14730			
4	Transporter's name and address (including Phone No. and e-mail):	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 7216 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com			
5	Type of vehicle:	(Truck/Tanker/Special Vehicle)			
6	Transporter's registration No.:	1-MD(E)/X/06			
7	Vehicle registration No.:	WB-31N 0085			
8	Receiver's name and mailing address (including Phone No. and e-mail):	West Bengal Waste Management Limited J.L. No. 103, Mouza Purba Srikrishnapur, P.O. & P.S. Sutahata, Haldia 7216 Dist. Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_haldia@ramky.com			
9	Receiver's authorization No.:	160/25(HW)-1506/2003(PF.IV)			
10	Waste description:	Spent Ion-exchange Resin, cat. 35			
11	Total quantity No. of Containers:	0.83 m3 or MT Nos.			
12	Physical form:	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)			
13	Special handling instructions and additional information	Handling with care			
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations.			
	Name and stamp	Signature	Day	Month	Year
	Malay Kumar Samanta	[Signature]	05	04	2021
15	Transporter acknowledgement of receipt of Wastes:				
	Name and stamp	Signature	Day	Month	Year
	[Signature]	[Signature]	05	04	2021
16	Receiver's certification for receipt of hazardous and other waste:				
	Name and stamp	Signature	Day	Month	Year

1. White Colour forwarded to WBPCB by HzW Sender

3. Pink Colour retained by HzW Receiver

5. Green Colour forwarded to WBPCP after disposal by HzW Receiver

2. Yellow Colour retained by HzW sender

4. Orange Colour retained by transporter

6. Blue Colour returned to sender after disposal by HzW Receiver



WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan

Bldg. No. 10 A, Block-LA, Sector-III, Bidhan Nagar,

Kolkata - 700 098

Tel : 0091 (033) 2335-9088 / 8861 / 8211 / 8073 / 6731

2335-0261 / 8212 / 8213 / 7428 / 5975

Fax : 0091 (033) 2335 6730 / 2813

Website : www.wbpcb.gov.in, e-mail : wbpcbnet@wbpcb.gov.in

Authorisation letter no.:

Memo No. 160 /2S(HW) -1506/2003(Pt. IV)

Date: 13.08.2018

FORM 2

Grant of Authorization under the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Ref.: Application for renewal of authorization dated 16.01.2018 for management & handling of hazardous & other waste.

M/s. West Bengal Waste Management Ltd.,

JL - 103, Purba Srikrishnapur, P.O. & P.S. - Sutahata, Dist. - Medinipur (E), Pin - 721 635,

West Bengal is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal, or any other use of hazardous or other wastes or both on the premises situated at **JL - 103, Purba Srikrishnapur, P.O. & P.S. - Sutahata, Dist. - Medinipur (E), Pin - 721 635, West Bengal.**

Details of Authorisation

A. The authorisation is valid for handling the following quantities of hazardous wastes:

Sl. no.	Type of Hazardous waste	Authorised mode of disposal	Quantity (ton/annum)
1.	Direct Landfilable waste	Direct Landfill. *	1,20,000.00
2.	Landfillable waste after stabilization	Landfilling after stabilization. *	60,000.00
3.	Incinerable waste	Incineration. *	10,800.00

B. The following hazardous waste to be generated onsite:

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (ton/annum)
1.	37.2	Disposal in onsite Hazardous Waste Landfill. *	886.7
2.	5.2	Incineration onsite. *	2.96

*** For detail refer to Specific Conditions.**

(1) Authorisation shall be valid for a period upto **31.12.2022** with effect from the date of issue

(2) The authorisation is subject to the following general and specific conditions:

[Chief Engineer]

Waste Management Cell

West Bengal Pollution Control Board

Page 01 of 03

A. General conditions of authorisation


1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be three months before the expiry of such authorisation.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th every year for the period ending 31st March of that year.

B. Specific conditions :

1. The unit shall store the hazardous wastes (category wise separately) under shade in an environment friendly safe manner within the premises at designated places.
2. The unit shall dispose of the incinerator ash & Bag filter ash (37.2) in the on-site Common Hazardous Waste Landfill.
3. Oil soaked cotton waste (5.2) shall be disposed of to CHWTSDf after incineration.
4. Hazardous wastes collected from member units shall be stored, treated and disposed in accordance with the Hazardous & Other Waste (Management and Transboundary Movement) Rules, 2016 and guidelines issued by CPCB.

5. Transport of hazardous and other waste shall be in accordance with the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Motor Vehicles Act, 1988.
The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this responsibility shall be clearly indicated in the Manifest.
6. Hazardous wastes Landfill and Incinerator to be operated and maintained as per CPCB guidelines. The incinerator shall not be operated below the prescribed temperatures under any circumstances. Incinerator repair and maintenance shall be taken up immediately and compliance report shall be submitted to the State Board.
7. CEMS data shall be transmitted to CPCB and WBPCB.
8. Arrangement shall be made for sampling of gases from closed landfill vents.
9. Records of hazardous waste collection, generation, storage, treatment and disposal shall be maintained properly and shall be available to the inspecting officials of the State Board during inspection.
10. The unit shall update regularly the environmental information in Display Boards as per the order of the Hon'ble Supreme Court dated. 14.10.2003 in W.P.(C) NO.657 of 1995.
11. Authorisation will be revoked in case of non-compliances with any of the above conditions.

✓ M/s. West Bengal Waste Management Ltd.,
JL - 103, Purba Srikrishnapur, P.O. & P.S. - Satahata,
Dist. - Medinipur (E), Pin - 721 635, West Bengal.


[Chief Engineer]
Waste Management Cell
West Bengal Pollution Control Board

Enclosed: As stated.

**WEST BENGAL POLLUTION CONTROL BOARD**

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan

Bldg. No. 10 A, Block-LA, Sector-III, Bidhan Nagar,

Kolkata - 700 098

Tel : 0091 (033) 2335-9088 / 8861 / 8211 / 8073 / 6731

2335-0261 / 8212 / 8213 / 7428 / 5975

Fax : 0091 (033) 2335 6730 / 2813

Website : www.wbpcb.gov.in e-mail : wbpcbnet@wbpcb.gov.inMemo No. **38** /2S(HW) -2497/2009Date: **02.03.2020**
~~10/2/2020~~**FORM 2****Grant of Authorization under the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.**

Ref.: Application for renewal of authorization dated 24.04.2019 for management & handling of hazardous and other wastes.

M/s. Neo Metaliks Limited,

Banscopa Industrial Complex, P.O.: Gopalpur, P.S. – Kanksa, Dist. – Burdwan, PIN: 713 212, West Bengal is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal, or any other use of hazardous or other wastes or both on the premises situated at Banscopa Industrial Complex, P.O.: Gopalpur, P.S. – Kanksa, Dist. – Burdwan, PIN: 713 212, West Bengal.

Details of Authorisation:

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (ton/annum)
1.	5.1	Recycling through authorized recyclers *	0.40
2.	36.2	Disposal to CHWTSDF. *	0.001
3.	35.2	Disposal to CHWTSDF. *	0.04

* For detail refer to Specific Conditions.

- (1) Authorisation shall be valid for a period upto **31.03.2024** with effect from the date of issue.
- (2) The authorisation is subject to the following general and specific conditions.

[Chief Engineer]

Waste Management Cell

West Bengal Pollution Control Board

Dr. T. K. GUPTA

Chief Engineer

Planning & Waste Management Cell
West Bengal Pollution Control Board

A. General conditions of authorisation

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lease, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made three months before the expiry of such authorisation.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return in Form 4 shall be filed by June 30th every year for the period ending 31st March of that year.

B. Specific conditions:

1. The unit shall store the hazardous wastes (category wise separately) under shade in an environment friendly safe manner within the premises at designated places.
2. The unit shall not store hazardous wastes onsite for more than 180 (one hundred eighty) days.
3. Used oil (5.1) shall be sold through manifest system (Form 10) only to the recyclers having valid registration of the State Pollution Control Board (SPCB). During each sale, the original Pass-book issued by SPCB to the registered recyclers shall be endorsed mentioning the quantity and copy of the same should be kept as record.

4. Discarded D. G. Set oil filter (36.2) and Spent Resin (35.2) shall be disposed off either through co-incineration in Cement Kilns having prior approval from the concerned SPCB where such cement kilns are located or to be disposed off to the Common Hazardous Waste Treatment, Storage & Disposal Facility (CHWTSDF) through Manifest (Form 10).
5. Transport of hazardous and other waste shall be in accordance with the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Motor Vehicles Act, 1988. The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this responsibility shall be clearly indicated in the Manifest.
6. Records of hazardous waste generation, storage and disposal shall be maintained properly and shall be available to the inspecting officials of the State Board during inspection.
7. The unit shall update regularly the environmental information in Display Boards as per the order of the Hon'ble Supreme Court dated. 14.10.2003 in W.P.(C) NO.657 of 1995.
8. Environmental information display boards in English and Bengali shall be provided outside the main gate as per the order of the Hon'ble Supreme Court dt.14.10.2003 in W.P.(C) no. 657 of 1995.
9. Authorisation will be revoked in case of non-compliances with any of the above conditions.

✓ M/s. Neo Metaliks Limited,

Banscopa Industrial Complex, P.O.:
Gopalpur, P.S. – Kanksa, Dist. – Burdwan,
PIN: 713 212, West Bengal.


[Chief Engineer]

Waste Management Cell
West Bengal Pollution Control Board

Dr. T. K. GUPTA

Chief Engineer

Planning & Waste Management Cell
West Bengal Pollution Control Board

Enclosed: As stated.



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000478589-MSC-UKAS-IND

Initial certification date:
10 November 2021

Valid:
10 November 2021 – 09 November 2024

This is to certify that the management system of

Neo Metaliks Limited

HO: 71, Park Street, 6th.Floor, 6F North Block, Kolkata - 700016, West Bengal, India

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:

ISO 14001:2015

This certificate is valid for the following scope:

Manufacture of pig iron through mini blast furnace

Place and date:
Chennai, 10 November 2021

For the issuing office:
DNV - Business Assurance
ROMA, No. 10, GST Road, Alandur, Chennai -
600 016, India



Sivadasan Madiyath
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom - TEL: +44(0) 203 816 4000.
www.dnv.co.uk

Appendix to Certificate

Neo Metaliks Limited

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Neo Metaliks Limited	Site: P.O.: Gopalpur, Via: Durgapur, Burdwan - 713212, West Bengal, India	Manufacture of pig iron through mini blast furnace
Neo Metaliks Limited	HO: 71, Park Street, 6th.Floor, 6F North Block, Kolkata - 700016, West Bengal, India	Providing Marketing, Purchase and Human Resource services.



TC-6271

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/08-C/00

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000630F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/21-22/C/691
Vill + P.O. : Gopalpur	Date : 07.03.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/691(A-D)
Paschim Bardhaman	Sample Description : Noise Monitoring
West Bengal – 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result of Noise

Sampling Done By : S.Ghosh						
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
A	09-10.02.2022	In between Store & Admin Area	63.9	65	53.6	55
B	10-11.02.2022	Near Main Gate	66.9	65	54.8	55
C	10-11.02.2022	Near North East Side Boundary Wall	61.3	65	53.2	55
D	11-12.02.2022	Near CPP Cooling Tower	63.2	65	54.4	55

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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

L

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000000083F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-56/21-22/C/20
Vill + P.O. : Gopalpur	Date : 13.01.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-56/21-22/20(A-D)
Paschim Bardhaman	Sample Description : Noise Monitoring
West Bengal - 713 212	Ref No. Date : W120206-01, Dated: 06.02.2021

Analysis Result of Noise

Sampling Done By : S.Ghosh						
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
477A	16-17.12.2021	In between Store & Admin Area	64.5	65	49.4	55
477B	15-16.12.2021	Near Main Gate	64.4	65	53.1	55
477C	17-18.12.2021	Near North East Side Boundary Wall	63.0	65	51.5	55
477D		Near CPP Cooling Tower	62.0	65	54.8	55

for Qualissure Laboratory Services
 Reviewed & Authorized By

(Authorized Signatory)

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



361, Prantik Pally, 45/361, Bose Pukur Road, Kolkata -700107
Email : qualissure@gmail.com; info@qualissure.com; Mob.No. 98342 87086 ; 9830093976



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627121000002703F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/21-22/C/477
Vill + P.O. : Gopalpur	Date	: 11.11.2021
P.S. : Kanksa,Durgapur	Sample No.	: QLS/A/21-22/477(A-D)
Paschim Bardhaman	Sample Description	: Noise Monitoring
West Bengal – 713 212	Ref No. Date	: W120206-01, Dated: 06.02.2021

Analysis Result of Noise

Sampling Done By : S.Ghosh/J.Sahana						
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
477A	22-23.10.2021	In between Store & Admin Area	59.3	65	48.1	55
477B		Near Main Gate	64.2	65	50.3	55
477C	23-24.10.2021	Near North East Side Boundary Wall	52.7	65	49.0	55
477D		Near CPP Cooling Tower	57.3	65	48.5	55

for Qualissure Laboratory Services
Reviewed & Authorized By

(Authorized Signatory)



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



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000478590-MSC-UKAS-IND

Initial certification date:
15 November 2021

Valid:
15 November 2021 – 14 November 2024

This is to certify that the management system of

Neo Metaliks Limited

HO: 71, Park Street, 6th.Floor, 6F North Block, Kolkata - 700016, West Bengal, India

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System standard:

ISO 45001:2018

This certificate is valid for the following scope:

Manufacture of pig iron through mini blast furnace

Place and date:
London, 15 November 2021

For the issuing office:
DNV - Business Assurance
4th Floor, Vivo Building, 30 Stamford Street,
London, SE1 9LQ, United Kingdom



Eerie Koek
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom - TEL: +44(0) 203 816 4000.
www.dnv.co.uk

Appendix to Certificate

Neo Metaliks Limited

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Neo Metaliks Limited	Site: P.O.: Gopalpur, Via: Durgapur, Burdwan - 713212, West Bengal, India	Manufacture of pig iron through mini blast furnace
Neo Metaliks Limited	HO: 71, Park Street, 6th.Floor, 6F North Block, Kolkata - 700016, West Bengal, India	Providing marketing, purchase and human resource services

RAIN WATER HARVESTING SUMPS

CPP cooling tower area sump



Sinter Plant pump house area sump



Rain water harvesting sump at MBF area



Rain water harvesting sump at near Admin building



ANNEXURE-XI

DETAILS OF CAPITAL EXP. FOR ENVIRONMENTAL POLLUTION CONTROL MEASURES		
SL. No.	Name of the Equipment/Abatement Measures	Amount (Rs. In Crores)
	MBF	
01	GAS CLEANING PLANT	3.80
02	VENTURY	
03	SATURATOR	
04	FUME EXTRACTION SYSTEMS	0.70
05	ALL MBF STACK (II,IV&V)	0.55
06	ONLINE STACK MONITERING SYSTEM	0.03
	CPP	
01	CPP STACK (III)	0.28
	SINTER	
01	ESP	7.25
02	BAG FILTER	0.40
03	STACK (I) :	0.35
04	ONLINE STACK MONITERING SYSTEM	0.03
A	TREE PLANTATION	0.03
	TOTAL	13.42

DETAILS OF RECURRING EXP. FOR ENVIRONMENTAL POLLUTION CONTROL MEASURES		
SL. No.	Name of the Equipment/Abatement Measures	Amount (Rs. In Crores)
1	MAINT. OF SAPLINGS	0.02
2	ENVIRONMENT MONITORING	0.03
	TOTAL	0.05

ANNEXURE A:		
Status of Charter on Corporate Responsibility for Environment Protection (CREP)		
Sl	Action Points For Integrated Iron & Steel Industry.	Status at NML/ Action Plan.
1	Coke oven plant	
	a. To meet the parameters PLD (% leaking doors). PLL (% leaking lids).	Not applicable because we do not have the Coke Oven Plant.
	b. To rebuild at least 40% of the coke oven batteries in next 10 years (December 2012)	Not applicable because we do not have the Coke Oven Plant.
2	Steel Melting shop	Not applicable because we do not have the Steel Melting Shop
	Fugitive emission to reduce 30% within March 2004 and 100% in March 2008 (Including installation of secondary De-dusting facilities).	Not applicable because we do not have the Steel Melting Shop.
3	Blast furnace	
	Direct injection of reducing agent by June 2013 (C.D.I)	i) Permission granted from MoEF&CC on 07.02.2019. ii) CTE obtained from WBPCB on 22.11.2019. iii) CTO obtained from WBPCB on 27.04.2022 and valid up to 30.04.2027. Annexure-1.
4	Solid waste / Hazardous waste	
	Utilization of steel Melting shop (SMS)/ Blast Furnace (BF) slag by: By 2004-70% By 2006-80% By 2008-100%	i) 100% BF Slag is being sold for Cement making. ii) 100% Dust Collected from Air Pollution Control Devices and Sludge from Gas Cleaning Plant are reused in the Sinter Plant.
5	Hazardous Waste Management	
	Charge of tar sludge & ETP sludge to Coke ovens by June' 03.	As we don't have Coke Oven plant, we are not generating any tar sludge or ETP sludge.
	Inventorization of hazardous waste as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. (Tar sludge, acid sludge, and waste Lubricating oil and type flue falls in the category of hazardous waste.	Tar Sludge and Acid Sludge are not generated in BF. Used/Waste Oil is Sold/Disposed to WBPCB authorized co-processor/ re-processor/CHWTSDF. West Bengal Pollution Control Board has issued us the authorization for hazardous waste management in Form- 2 vide memo no.- 38/2S (HW)- 2497/2009 dated on 02.03.2020 and valid up to 31 st March 2024.

6		Water Conservation /Water Pollution	
	a.	To reduce specific water consumption of 5 m ³ /t for long products by December 2005.	We are not making any long products / No Rolling Mill Exists in the Plant.
	b	To operate the CO & BPP effluent treatment plant efficiently to achieve the notified effluent discharge standards - by July 2005.	No Coke Oven and By-Products plant existing in the Plant.
7		Installation of continuous stack monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations by June 2005.	Installed in Major Stacks and results are directly transmitted to CPCB.
8		To operate the existing pollution control equipment efficiently and to keep proper record run hours, failure time and efficiency with immediate effect. Compliance report in this regard is submitted to CPCB/SPCB every three month.	Pollution Control Equipment are operated efficiently, and record maintained. Compliance report in this regard is submitted to WBPCB as Stipulated in CTO.
9		To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MOEF by December 2003.	No such recommendation was asked for in the Environmental Clearance letter.
10		The industry will initiate the steps to	
	a	Energy recovery to top blast furnace gas	Blast furnace gas after cleaning in GCP is being utilized as a fuel in C.P.P, MBF Stove, PCI, Sinter Plant, and Ladle pre-heating. As of a mini-BF- 215 m ³ , will not much of top pressure, thus energy recovery from top gas pressure is not provided.
	b	Use of tar free runner linings.	We are using Tar Free runner linings.
	c	Cast house de-dusting (tap holes, runners, skimmer, ladle and charging points).	Operation of fume extraction System in Cast House to control the fugitive emissions at cast house.
	d	Suppression of fugitive emissions using nitrogen gas or any other inert gas.	There is no fugitive emission of Hydrocarbon or Volatile Organic Compounds from the BF and Sinter Plant that requires suppression by using nitrogen gas or any other inert gas.

	e	To study the possibility of slag fly ash transportation back to the abandoned mines to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.	We are Selling 100% BF Slag for cement making. We are not generating any Fly Ash as we are operating mini-Blast Furnace, Sinter Plant and BFG fired Captive Power Plant.
	f	Processing of the waste containing flux & ferrous wastes through waste recycle plant.	We are reusing entire fines of flux & ferrous in sinter plant.
	g	To implement rain water harvesting.	We have augmented the existing Sumps where runoff within the plant is collected. This water is utilized in the plant for cooling and dust suppression during lean season. We have made the roof top rain water harvesting reservoirs to collect the rain water and it is being used for our auxiliary consumption.
	h	Reduction of greenhouse gases by:	
	1	Reduction in power consumption	<p>i) We are using the waste heat of flue gas to recuperator/ hot gas generator and economizer.</p> <p>ii) We are using LED lighting arrangements.</p> <p>iii) We are adhering to Preventive Maintenance, Preventive Inspection and Condition Base Monitoring schedules and align with Dynamic Balancing for avoiding the wastage of energy.</p> <p>Along with all such efforts, we achieved Large Scale Category of Energy Conservation Award (ENCON) 2021, CII Eastern Region. Annexure -2.</p>
	2	Use of byproducts gases for power generation	The BF gas generated from blast furnace is being utilized in the power generation in CPP which generates 4.5 MW power.
	3	Promotion of energy optimization technology, including energy audit.	Energy Audit conducted on August- 2020. Report attached as Annexure-3.
	4	As regard to the conservation of energy and fuel, using of heat exchanger to recover the waste heat energy of flue gases.	From April'18, we have successfully commissioned the recuperator for the re-utilization of the waste gas from stove heating of blast furnace which is used as hot gas generator.

	i	To progressively set targets for resource conservation such as raw material, energy and water consumption to match international standards.	<p>i) We are converting the collected fines to Sinter and using the Sinter in BF. This is reducing the use of Iron Ore in BF and helping in resource Conservation.</p> <p>ii) Successfully operational of recuperator and recovering of flue gas waste heat to re-utilize in process is conserving the resources and energy.</p> <p>iii) Waste heat from sinter cooler is being utilized for coke drying.</p> <p>iv) Our Water Consumption is 1849 m³ per day to make about 537 ton of material. This yield approx. 3.44 m³ specific water consumption per ton of finished metal produced as against 5 m³/t for long products and 7 m³/t for flat products.</p> <p>The plant is based on water recirculation system, entire water is recycled and reused and for that the raw water consumption is 3.44 m³/t. We are making efforts to further reduce the specific water consumption.</p>
	j	Up gradation in the monitoring analysis facilities for air and water pollution. Also to impart laboratory training to the manpower so that realistic data is obtained in the environmental monitoring laboratories.	<p>We are conducting environment monitoring analysis in respect of air and water bi-monthly basis through NABL accredited laboratory. Our Lab Staff is trained for analyzing the basic parameters in water and wastewater. Online Monitoring facility has been provided in all major stacks.</p> <p>The Staff has been trained to analyze the trends along with NABL accredited lab.</p>
	k	To improve housekeeping.	<p>(a) To improve the house keeping within the plant premises, we are in practice of 5S implementation.</p> <p>(b) On regular basis cleaning of the spillage especially in RMHS and Ground hopper area is carried out.</p> <p>(c) The cleaned materials/dust particles are collected and sent for re-use in the Sinter plant. This is being monitored regularly and the concerned department has been made responsible to maintain it.</p>

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'
Bldg. No. - 10A, Block - LA, Sector-III
Salt Lake City, Kolkata-700 098



[Renewal]

Consent Letter Number : C0123398

Memo Number : 771-7/WPBD-Cont(2809)/06 (Pt-11)

Date : 27/04/2022

Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

Neo Metaliks Ltd.

WEST BENGAL

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Vill & P.O. - Gopalpur,

P.S. - Kanksa, Durgapur, Paschim Bardhaman - 713212

(Detailed address of the manufacturing unit)

for a period from 01/05/2022 to 30/04/2027

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

(Member Secretary/Chief Engr./ Sr. Env. Engr. / B. Engr. / Asst. Env. Engr.)

Signature
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

ANNEXURE

Consent to Neo Metaliks Ltd.
 for its unit at vill & Po. - Gopalpur, P.S. - Kanksa, Durgapur,
Paschim Bardhaman - 713212

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Pig Iron	15666 MT/month
02	Sintered Iron	25000 MT/month
03	Captive power	4.5 MW
04	Granulated Slag	10000 MT/month
05	Pulverised Coal	3000 MT/month
06	(For using as fuel in its existing	
07	Blast Furnance without increase	
	its existing production capacity)	
08	BF Gas	51800 Nm ³ /hr.
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed Recycled KL.
04. Daily discharge of domestic liquid effluent shall not exceed 6.12 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed N/A KL.
06. The Applicant shall discharge liquid effluent to Septic tank to Soak pit to outside drain (place of discharge)
 through one nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

(Member Secretary/Chief Engr./ Sr. Env. Engr. Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board)

Continued.....

Consent to Neo Metaliks Ltd.⁽³⁾
for its unit at Vill & P.O. - Gopalpur, P.S. - Kanksa, Durgapur,
Paschim Bardhaman - 713212

Table-I

[illegible]

09. The Applicant falls in the Cess paying Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.
10. **Daily** water consumption for the following purposes should not exceed :-
- Industrial cooling, spraying in mine pits and boiler feed water → 380.24 KL
(Water used for gardening should be included in this category of use)
 - Domestic purpose → 11.4 KL
 - Processing whereby water gets polluted and the pollutants are easily biodegradable → 110 KL
 - Processing whereby water gets polluted and the pollutants are not easily biodegradable → — KL

The *Applicant* shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Continued.....

Continued.....

Consent to Neo Metaliks Ltd.
 for its unit at vill & P.O. - Gopalpur, P.S. - Kamksa, Durgapur,
Paschim Bardhaman - 713212

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

Stack No.	Stack height from G.L., (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)			
S-1	50	Sinter plant (Head ESP) of capacity 25000 MT/month			100	1	—	—	Quarterly
S-2	40	Sinter plant (Tail ESP) of capacity 25000 MT/month			100	1	—	—	- DO -
S-3	50	MBF of capacity 215 m ³		—	150	1	—	—	- DO -
S-4	50	CPP boiler of capacity 45 MW		—	100	1	—	—	- DO -
S-5	50	Pulverised Coal Injection unit with Bag filter		—	100	—	—	—	- DO -
S-6	15	1X 1500 KVA D.G. Set		—	150	1	—	—	Yearly
S-7	15	1X 1250 KVA D.G. Set		—	150	1	—	—	Yearly
S-8									
S-9									
S-10									

Consent to Neo Metaliks Ltd.
 for its unit at vill & P.O. - Gopalpur, P.S. - Kanksa, Durgapur,
Paschim Bardhaman - 713212

14. The *Applicant* shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the *State Board's* staff as well as *State Board's* authorised agencies.
15. The *Applicant* shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	BF Gas	51000 Nm ³ /hr.	Boiler & Sinter
02	Coke	10200 MT/month	MBF
03	Coke Breeze	2000 MT/month	MBF through PCI
04			
05			

16. The *Applicant* shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
Dust	438 MT/month	—	To be disposed off in environmentally safe manner
Granulated Slag	10000 MT/month	—	

17. The *Applicant* shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L _{eq}
Day Time (06 a.m. to 09 p.m.)	65
Night Time (09 p.m. to 06 a.m.)	55

18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
19. The *Applicant* shall bring about at least 33% of the available open land under the green coverage / plantation.
20. The *Applicant* shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the *Applicant* to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the *Applicant* shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
21. The *Applicant* shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
22. The *Applicant* shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Key
 Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board
 Continued.....

Consent to Neo Metaliks Ltd.
 for its unit at vill & P.O. - Gopalpur, P.S. - Kanksa, Durgapur,
Paschim Bardhaman - 713212

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions

This consent may be revoked subject to any valid Public complaint for violation of environmental norms.

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Engr.)

Key
 Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board



Confederation of Indian Industry



Recognition of Excellence in Energy Conservation

CERTIFICATE

Congratulation to

Neo Metaliks Limited

for successfully achieving



in the **Large Scale Category of Energy Conservation Award (ENCON) 2021**, CII Eastern Region

Vijay Dewan

Vijay Dewan

Chairman, CII Eastern Region

Report Prepared for:

Neo Metaliks Limited

Vill: Gopalpur, PO: Gopalpur, Via: Durgapur,
Dist.: Burdwan, Durgapur 713212, West Bengal, India.
Ph: +91 33 4050 4050
Fax: +91 33 2217 7317
E-mail: info@neometaliks.com

Contact:

Mr. Samar Sarkar
E-Mail: dgmcpp@neometaliks.com

This report is prepared by **Verde Consulting Pvt. Limited.**

Authors of this report: Mr. Goutam Saha, Mr. Anirudhha Neogi and Mr. Sandipan Sinha

Contact:

Partha Pratim P Chaudhuri
E-mail: partha.chaudhuri@verde-group.org

Disclaimer

The information contained in this report has been compiled by **Verde Consulting Pvt. Limited (VCPL)** on the basis of information provided by site personnel at **Gopalpur Unit of Neo Metaliks Ltd.**, during the visit made by VCPL team in the months of August 2020 and thorough measurements made with online portable instruments.

No liability of any kind whatsoever is assumed by VCPL, or any of its directors, officers, employees, advisors or agents in relation to any findings, conclusions, opinions, forecasts, projections, or otherwise in relation to this study report.

Acknowledgement

We express our sincere gratitude to M/s. Neo Metaliks Ltd. (NML) for giving us the opportunity to conduct Energy Audit study and present the findings and recommendations for its unit located at Vill: Gopalpur, PO: Gopalpur, Via: Durgapur, Dist.: Burdwan, Durgapur 713212, West Bengal, India. We thankfully acknowledge the support and guidance provided by all concerned officials during the study.

Neo Metaliks Limited

- | | |
|--------------------|----------------------|
| ➤ Mr. Nilotpal Roy | - Executive Director |
| ➤ Mr. Samar Sarkar | - DGM (CPP) |

Last but not the least, we are thankful to all officers and employees of the unit, with whom we had interacted during the field study, for their wholehearted support in undertaking measurements and eagerness to assess the system.

1. EXECUTIVE SUMMARY

1.1 Energy Conservation Measures (ECM)

The assignment covers study of the major energy consuming equipment and systems of the plant, like boiler, turbine, condenser, cooling towers, mini blast furnace, blowers, fans, pumps, sintering sections, compressors and lighting system.

Based on the detailed study of all major energy intensive areas, following Energy Conservation Measurements (ECMs) are suggested:

	Saving	Electricity kWh/yr.	Monetary In Lakh INR/yr.	Investment		Payback Period Years
				Lakh INR	Years	
Proposal I						
Electrical Energy Saving through Overhauling of Sinter ID Fan		350586	19.5	10	0.51	1
Proposal II						
Electrical Energy Saving through Replacing the Existing ID Fan with an Energy Efficient ID Fan		1168793	65	18	0.28	1
Replace existing Major Pumps in CPP, Sinter and MBF section by Energy Efficient Pumps		616075	34.19	19	0.56	2
Replace existing Cooling Towers at MBF and Sinter Section by Fanless and Finless Cooling Tower and Save Energy and Water		443732	14.64	40	2.73	3
Replace Existing Sinter Cooling Fans by Energy Efficient Fans and Save Energy		332243	18.44	24	1.3	4

Install Energy Efficient Boiler Feed Pump (BFP) with VFD Drive	218654	12.14	27	2.22	5
Efficiency Improvement of Force Draft (FD) Fan at CPP Section by Installing Energy Efficient Fan & Motor and operate at best efficiency point by existing VFD	74727	4.15	8	1.93	6
Main Cooling Water (MCW) Pump Efficiency Improvement through overhauling and operate at best efficiency point by Installing VFD and Save Electrical Energy	134767	7.48	14	1.87	7
Reduce the power consumption of ID to by control of Control of High Excess Air and Cold Air ingress in APH	83953	4.66	3	0.64	8
Improvement in boiler feed water temperature by repair/replacement of economizer tubes.	750291	3.75	2	0.53	9
Boiler Feed Water Pump Pressure drop Optimization	65344	3.63	NIL	Immediate	10
Optimize the Discharge Pressure of Condensate Extraction Pump (CEP)	48117	2.67	NIL	Immediate	11
Efficiency Improvement of Induced Draft (ID) Fan at CPP Section by overhauling and operate at best efficiency point through existing VFD	45201	2.51	2	0.8	12
Improve effectiveness of cooling tower through overhauling and cleaning	470577	2.35	1.5	0.64	13
Preheat the BF Gas by Sinter Flue Gas Before Using at Sinter Ignition Furnace and Save Energy	312784	1.56	-	-	14

Energy Savings by Installation of Rotary Type Screen at Inlet of 4 Roll Crusher in Sinter Plant	14969	0.83	2	2.41	15
Install Static Capacitor at Load end for Major Equipment of MBF Section and Save Electrical Energy	10361	0.58	0.98	1.70	16
Install Static Capacitor at Load end for Major Equipment of CPP Section and Save Electrical Energy	6901	0.38	0.90	2.35	17
Replace Existing 400W HPSV Lights with 150W LED Flood Light and Save Energy	102194	5.25	4.26	0.81	18
Replace Existing 250W HPSV Lights with 100W LED Light and Save Energy	24769	1.22	1.51	1.24	19
Replace Existing 150W HPSV Lights with 75W LED Light and Save Energy	37121	1.77	2.93	1.66	20
Replace Existing 70W HPSV Lights with 40W LED Light and Save Energy	12693	0.53	1.76	3.32	21
**Total	4974266	188	173	0.92	

**Total value is calculated considering ECM-1 Proposal II