



metaliks ltd.

Park Plaza, 71 Park Street, 6F, North Block, Kolkata - 700 016
Tel.: + 91 33 4050 4050, Fax : + 91 33 2217 7317, E-mail : info@neometaliks.com
Website : www.neometaliks.com, CIN : U27109WB2003PLC097231



Ref: NML-DGP/ENV/22/005

Dt. 30.11.2022

To

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

Sub: Six Monthly EC Compliance Report for the period of April'2022 to September'2022
of Neo Metaliks Ltd., Durgapur.

Ref: E.C No. J-11011/779/2007-IA. II (I), Dated- 02.06.2022

Dear Sir,

This has reference to the above subject matter enclosed herewith the six-monthly Environmental Clearance Compliance Report for the period of April '2022 to September'2022.

This is for your kind information.

Yours faithfully,

For Neo Metaliks Ltd



Encl: As above

CC:

- 1) Environment Engineer,
WBPCB, Durgapur Region | Office, City Centre,
- 2) Chief Engineer (WMC) WBPCB, Paribesh Bhawan,
BLDG No.10A, Block LA, Sector -III, Bidhannagar,
Kolkata-700098

Name of the Project:

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

Environmental Clearance File No.

J-11011/779/2007-IA.II (I) **dated** 02.06.2022

Period of Compliance Report:

April'2022 to September'2022

(NOTE- We have facilities like MBF, Sinter & CPP only. Expansion project is yet to come. CTE already obtained and application for CTO would be made post completion of Establishment of equipment's. So, some conditions of newly obtained EC are yet to comply)

Sl.	A. Specific Conditions	Compliance Status
A (i)	As submitted by PP, a pond (7157 m ²) is present within the project site, which will be used as a rainwater reservoir. PP shall monitored and submit the Report to the IRO, MoEFCC in this regard.	The pond (7157 m ²) present within the project site is a rain water reservoir. Connectivity of surface run-off water drain to this pond shall be done during project expansion activity. The report shall be submitted to the IRO, MoEFCC.
A (ii)	Three tier Green Belt shall be developed in 36% of total project area by end of monsoon, 2022 with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. In addition to this, PP shall be undertaken plantation (total plants 5000 nos.) in the surrounding villages. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concern Regional Office of the MoEF&CC.	1. Green belt development is our ongoing activity. Extensive tree plantation is being carried out every year in all open spaces available in and around the plant premises. 2. As on date, total 23,507 nos. of saplings have been planted with native species covering 34.14% area. It includes 6000 nos. of sapling planted during Apr'22-Sep'22 at new North East side area. Some snapshots are enclosed as Annexure-I. 3. In addition to this, plantation of 8000 no. of saplings in approx. 15 ac. area is under progress (vide work order no. W122923-002, dated 23.09.2022) The order copy is enclosed as Annexure-I (a). 4. Also, 1000 nos. of saplings have been planted in local village 'Gopalpur'. 5. Survival rate of green belt developed is being monitored on periodic basis and damaged plants are being replaced with new plants subsequently. 6. The detail green belt development report in CPCB tabular format is enclosed as Annexure- I (b). 7. The plantation has also been verified by the office of DFO. The Letter copy is enclosed as Annexure- I (c)
A (iii)	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Plant internal roads, vehicle movement area and work places are developed with concreted/paved and landscaping for horticulture development is being carried out. Greenery has been developed along the roadside and in open unused areas. We've obtained Consent to Established (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. So, construction of more roads shall be done as & when expansion activity is initiated.
A (iv)	PP shall install three Continuous Ambient Air Quality Monitoring Station (CAAQMS) as one in upstream, one in the downstream and one at the cross-wind direction	Three locations for CAAQMS have been identified - one in upstream, one in downstream and one in cross-wind direction. Orders have been placed and work is in progress. The

Sl.	A. Specific Conditions	Compliance Status
	by end of July, 2022.	work order copy is enclosed as Annexure-II. In addition to this, five ambient air quality monitoring stations (AAQMS) have been established at given locations inside plant namely 1. Near Main Gate, 2. Near Admin Building & Store, 3. Near Boundary Wall (North-East side), 4. Near CPP Cooling Tower and 5. Near PCM side boundary wall, where ambient air monitoring is being carried out on bi monthly basis by NABL accredited external agency. Data of ambient air quality is being submitted regularly through Half-yearly compliance report. The monitoring reports are enclosed as Annexure III.
A (v)	PP shall provide RO plant as tertiary treatment facility to ensure reuse of treated wastewater to an extent of 700 KL..	At present, treated wastewater is being reused inside plant. RO plant is a tertiary treatment plant which will be installed post commissioning of STP & ETP. For Primary & Secondary treatment plant, Work order has been placed. Order copy is enclosed as Annexure-IV.
A (vi)	12 numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere. PP shall do plantation work in the surrounding villages also.	Trolley mounted Fog/Mist water cannons procurement process has been initiated Order-copy attached as Annexure- XIV. Plantation work- 1000 nos. of saplings have been planted in the surrounding village 'Gopalpur'.
A (vii)	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Following additional arrangements have been provided to control fugitive dust a. Water sprinkling system (fixed and mobile type) has been provided at raw material handling yard, unloading point and other vulnerable points. Along with water fog cannon has been installed and operated at raw material handling sections successfully. b. All the raw Materials like Iron ore lump & fines, flux and coke & coke Fines are kept covered with Tarpaulin. All the Vehicles enter into Plant-site are regularly checked for PUC compliance certificates (exhaust emission) and vehicles with valid PUC certificate is only allowed inside the Plant. c. At present, our entry and exit gate is common. So, provision for one Wheel washing mechanism near main gate has been initiated.

Sl.	A. Specific Conditions	Compliance Status
A (viii)	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.	Noted
A (ix)	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	Performance test will be conducted on all pollution control systems and test report shall be submitted to Regional Office of the MoEF&CC in next half yearly compliance report.
A (x)	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ .	Noted & agreed to comply. We've granted Consent to Establish (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. So, our project is under establishment phase. The CTE copy is enclosed as Annexure-XV. We will install adequate APC system to achieve limits post obtaining Consent to Operate (CTO).
A (xi)	Blast Furnace shall be equipped with dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	Order has been placed for installation and commissioning of Dry Gas Cleaning Plant with complete package which costs USD 1,100,000. The order copy is enclosed as Annexure-V
A (xii)	Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant.	Complied for existing sinter plant. The project is in establishment phase. Will be complied post operational activity.
A (xiii)	85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or BF gas as a fuel.	This shall be complied during installation of steel plant within plant premises.

Sl.	B. General Conditions	Compliance Status
B. I	Statutory Compliance	
B. I (i)	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as	Adhered to the stipulations.

Sl.	B. General Conditions	Compliance Status
	may be applicable to the project.	
B. II	Air quality monitoring and preservation	
B.II (i)	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as three Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	1. To monitor stack emission, 24x7 continuous emission monitoring system (CEMS) have been installed at process stacks like Sinter Plant, Blast Furnace Stove stack & Captive Power Plant stack and real time online data is being transmitted to CPCB Server. 2. The CEMS online analyzers are calibrated regularly from time to time. The calibration certificate is enclosed as Annexure-VI. 3. Moreover, Stack emission monitoring is also being carried out by NABL accredited laboratory on bi-monthly basis. The monitoring report is enclosed as Annexure-VII 4. For installation of three Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters, order has been placed and work is in progress. The order copy is enclosed as Annexure-II. 5. Project yet to start. Prior to operate, we will install CAAQMS.
B.II (ii)	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Fugitive emissions are being regularly monitored in the plant premises (at work environment) by NABL accredited laboratory on bi-monthly basis. Testing report is enclosed as Annexure-VIII.
B.II (iii)	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	1. Appropriate Air Pollution Control (APC) system has been provided at the Sinter Plant (SP) & MBF cast house. Exhaust gases from SP head-end and tail-end is cleaned through ESPs to get stack emission under prescribed standard. Blast Furnace gas is cleaned through Gas Cleaning Plant comprises of dry dust catcher, saturator and venturi scrubbers to control emission. Plan for installation of a higher capacity fume exhaust system is under progress and details shall be updated in next half yearly compliance report. 2. Plant de-dusting system i.e., collection of fugitive emissions through suction

Sl.	B. General Conditions	Compliance Status									
		hood & duct line and subsequent treatment through bag filters are provided to control fugitive dust. 3. Further, Specific measures like Fixed Water Sprinkler, Water Fog Cannon etc. provided in Ground Hopper, Raw Material handling area, Truck Tippler etc. Mobile Water Tanker deployed inside the plant premises for water sprinkling on all internal roads. 4. All the conveyors and transfer points have been enclosed to reduce the secondary fugitive emission. 5. Plant internal roads, vehicle movement area and work places 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. All the raw Materials like Iron ore lump & fines, flux and coke & coke Fines are kept covered with Tarpaulin. 6. All the Vehicles enter into Plant-site are regularly checked for PUC compliance certificates (exhaust emission) and vehicles with valid PUC certificate is only allowed inside the Plant. Stack emissions & Fugitive emissions are being regularly monitored at all process stacks & work environment respectively by NABL accredited laboratory on bi-monthly basis. Testing reports are enclosed as Annexure-VII & Annexure-VIII respectively. Expenditure incurred on the environment pollution control measures are furnished herewith. <table border="1"> <thead> <tr> <th>Period</th><th colspan="2">Total expenditure of pollution control measures</th></tr> <tr> <th></th><th>Recurring Cost</th><th>Capital Cost</th></tr> </thead> <tbody> <tr> <td>Apr'22 to Sept'22</td><td>Rs.50.77 lakhs</td><td>Rs.138.46 lakhs & For Dry GCP- USD 1,100,000</td></tr> </tbody> </table>	Period	Total expenditure of pollution control measures			Recurring Cost	Capital Cost	Apr'22 to Sept'22	Rs.50.77 lakhs	Rs.138.46 lakhs & For Dry GCP- USD 1,100,000
Period	Total expenditure of pollution control measures										
	Recurring Cost	Capital Cost									
Apr'22 to Sept'22	Rs.50.77 lakhs	Rs.138.46 lakhs & For Dry GCP- USD 1,100,000									
B.II (iv)	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Inspection of filter bags & replacement of damaged bags is being carried out at regular intervals. Automated bag cleaning facilities have been provided. Bag filter									

Sl.	B. General Conditions	Compliance Status
		leakage detection system shall also be installed.
B.II (v)	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	Iron ore fines, coke fines and flue dust collected from the pollution control devices are reused in Sinter Plant.
B.II (vi)	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Covered transportation of raw materials like Iron ore lump & fines, flux and coke & coke fines are ensured..
B.II (vii)	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Fume extraction system has been installed in blast furnace cast house. Plan for installation of a higher capacity fume exhaust system is under progress and details shall be updated in next half yearly compliance report.
B.II (viii)	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Adequate air ventilation arrangements in the buildings exist.
B. III	Water quality monitoring and preservation	
B.III (i)	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	At present, sanitary effluent is treated in septic tanks and soaks pits. Canteen waste is treated in Oil water separator and then used for plantation We've obtained Consent to Established (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. Our project is in establishment phase.
B.III (ii)	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground Water Quality is being regularly monitored in the plant by NABL accredited laboratory on bi-monthly basis. Testing report is enclosed as Annexure-IX.
B.III (iii)	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Work order has been placed for commissioning of 75 KLD STP and it's in progress. Order copy is enclosed as Annexure-IV.

Sl.	B. General Conditions	Compliance Status
B.III (iv)	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31 st March 2012 (applicable to IF/EAF) as amended from time to time.	Plant wastewater is recycled and reused for slag cooling, mould cooling, gas cleaning plant and dust suppression. No waste water 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.III (v)	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Garland drains and collection pits are provided to arrest the run-off in the event of heavy rains. A pond (7157 m²) is present within the project site. After connecting with surface run-off water drain, water sample shall be collected and monitored regularly. The report will be submitted in next half yearly compliance report. Apart from above, we have made four roof-top rain water harvesting reservoirs of capacities 40m³, 30m³, 15m³ and 11.25m³ respectively at the following locations- • 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. and the harvested rain water is being used in process, plantation, dust suppression and indirect cooling applications wherever possible. 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.
B.III (vi)	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	At present, our entry and exit gate is common. So, provision for one Wheel washing mechanism near main gate has been initiated.

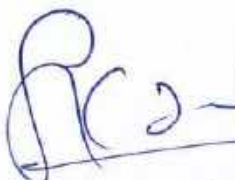
Sl.	B. General Conditions	Compliance Status
B. IV	Noise monitoring and prevention	
B.IV (i)	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	The noise quality is being monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 by NABL accredited laboratory on bi-monthly basis. The monitoring reports are enclosed as Annexure- X.
B. V	Energy Conservation measures	
B.V (i)	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	Installation & commissioning of one roof top solar power system at roof-top of New Admin Building is already planned. The new Admin Building is under construction phase. The solar panel will be installed after completion of construction work. Old halogen/mercury lights are being replaced with LED lights progressively at various locations.
B. VI	Waste Management	
B.VI (i)	Used refractories shall be recycled.	Broken refractory mass is used as sub-base material for road construction and given to authorized agency for recycling
B.VI (ii)	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen Waste composting machine is installed near canteen. The bio-compost is utilized in gardening, vegetation, plantation activities.
B. VII.	Green Belt	
B.VII (i)	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	As on date, total 23507 nos. of saplings have been planted with native species. The project is under establishment phase vide Consent to Establishment memo no 393-2N-566/2003-PART-I dated 25.07.2022. The copy is enclosed as Annexure- XV.
B.VII (ii)	Project proponent shall submit a study report on De-carbonization program, which essentially consists of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	We've been granted Consent to Established (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. So, the project is under establishment phase.

Sl.	B. General Conditions	Compliance Status
B. VIII	Public hearing and Human health issues	
B.VIII (i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Our existing plant is ISO 45001 & ISO:14001 certified organization. Hence, Emergency preparedness plan is implemented to ensure Safety and Health.
B.VIII (ii)	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	The workmen who work in high temperature work zone have been identified and heat stress analysis for these workmen will be carried out separately in coming Occupational health surveillance.
B.VIII (iii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Occupational Health Surveillance of the workers is being carried out on a regular basis as mandatory by The Factories Act, 1948 and the records are being maintained.
B. IX	Environment Management	
B.IX (i)	The project proponent shall comply with the provision contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt Hattala, Bascopa, Rajbandh, Bandra, Gopalpur, Gosaidanga, Chataldanga, Monarkonda, Rupganja, and Kuldia villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Is being complied. As part of Corporate Environment Responsibility (CER) activity, the socio-economic development/ community developmental activities have been undertaken by the company through CSR program which cost incurred more than Rs. 13.5 lakhs during the period of April'2022 to September'2022. The detail expenditure is enclosed as Annexure-XI.
B.IX (ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	As our organization is ISO:14001 & 45001 certified, so well defined EHS policy duly approved by our Factory Manager is there. The copy is enclosed as Annexure-XII and submitted to the MoEF&CC as a part of six-monthly report.

Sl.	B. General Conditions	Compliance Status
B.IX (iii)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Noted
B. X	Miscellaneous	
B.X (i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	The Environment Clearance letter is advertised in two local newspapers. Viz. The Times of India and The Ei Samay (vernacular daily) on Dt. 08.06.2022. The clip of advertisement is enclosed as Annexure-XIII.
B.X (ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of the environmental clearance have been submitted to concerned department/panchayat.
B.X (iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted. The status of compliance of the stipulated environment clearance conditions, including results of monitored data will be uploaded on our website and will be updated on half-yearly basis.
B.X (iv)	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Environmental data on PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) have been monitored bi-monthly through NABL accredited laboratory and uploaded in company web site through half yearly compliance report and data displayed near main gate of the company.
B.X (v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Six-monthly reports on the status of the compliance of the stipulated environmental conditions is being submitted to MoEF&CC / WBPCB on regular basis. Last report was submitted on Dt. 31.05.2022 for the period Oct'21 to Mar'22. The Six-monthly report for the period Apr'22 to Sept'22 will be submitted on website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

Sl.	B. General Conditions	Compliance Status
B.X (vi)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Is being complied. The environmental statement for FY 2021-22 has been submitted in Form-V to WBPCB and also put on the website of the company.
B.X (vii)	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Noted. We've been granted Consent to Established (CTE) from WBPCB vide memo no. 393-2N-566/2003-PART-I dated 25.07.2022. So, the project is under establishment phase. Land development work for Sinter Plant and Power plant has been started inside plant premises.
B.X (viii)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted & Compliance assured.
B.X (ix)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	EC granted for Expansion & upgradation of Pig Iron Manufacturing Plant to 0.4 MTPA Capacity vide file no. J-11011/779/2007-IA.II (I) dated 02.06.2022. However, further expansion or modifications in the plant will be carried out only after prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
B.X (x)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986	Noted
B.X (xi)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
B.X (xii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
B.X (xiii)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted. Full co-operation will be extended.

Sl.	B. General Conditions	Compliance Status
B.X (xiv)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

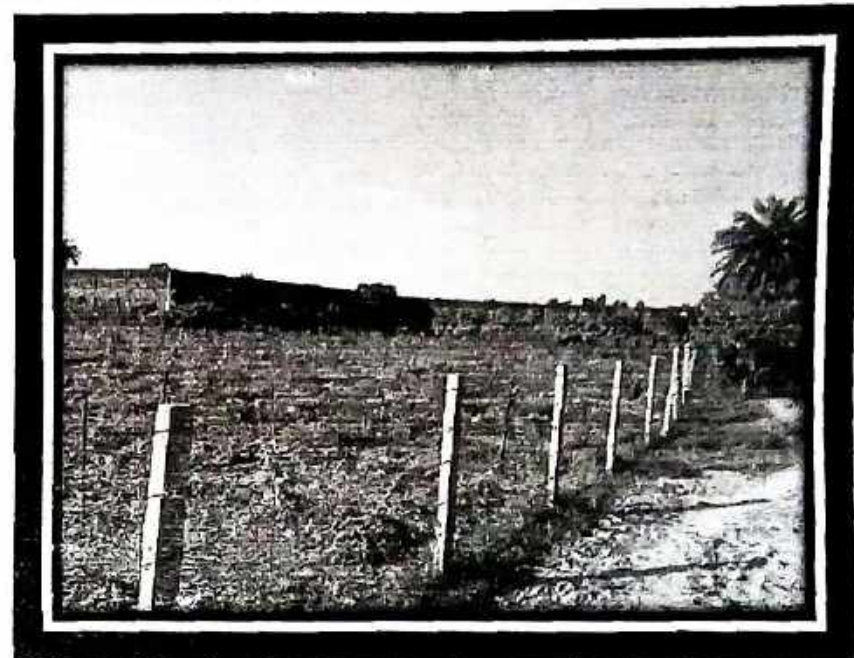


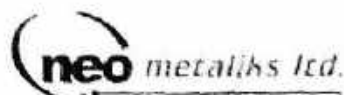

Signature

Plantation



Annexure-I





VILL : GOPALPUR, PO : GOPALPUR, VIA : DURGAPUR, DIST :
BURDWAN, DURGAPUR - 713212, INDIA
State : West Bengal, State Code : 19, GSTIN No. : 19AABCN8514G1ZE

SUPPLIER COPY / OFFICE COPY

WORK ORDER

WO. No. : W122923-002
WO. Date : 23-09-2022
Div Code : Blast Furnace
PAN : AABCN8514G

SUPPLIER'S NAME & ADDRESS

To,
Baro Maa Enterprise
BHEDIA P.O. AUSHGRAM, PURBA MEDINIPORE
STATE : WEST BENGAL, STATE CODE : 19
GSTIN NO. : 19BRQPR4549P1ZT,
PAN NO. : BRQPR4549PMO. NO. : 9932348645 / 9434670191,

BILLING & FACTORY ADDRESS**NEO METALIKS LIMITED**

VILL : GOPALPUR, PO : GOPALPUR, VIA : DURGAPUR, DIST : BURDWAN, DURGAPUR -
713212, INDIA
State : West Bengal, State Code : 19, GSTIN No. : 19AABCN8514G1ZE
CIN No. : U27109WB2003PLC097231, PAN No. : AABCN8514GPh. No. : 40504050, Email
: info@neometaliks.com

Kind Attn. :-

Person : Sabita Roy
Detail : 9932348645 / 9434670191

SHIPPING ADDRESS

Quotation No. : OFFER
Quotation Date : 15-06-2022

Line No.	Item Code	Description	HSN Code	Ref. No.	UM	Qty/Cancel Qty	Actual Qty	Price/Unit (INR)	Value
1	190601025	SAPLING INSTALLATION & MANURING Remark : FOR GREEN BELT DEVELOPMENT WORK	9985	1322Y-00222	NO	8000.000	8000.000	200.00	16,00,000.00

In Words-Rs - Sixteen Lakhs Only .

Total : 16,00,000.00

SGST 1,44,000.00
CGST 1,44,000.00

In Words-Rs - Eighteen Lakhs Eighty Eight Thousand Only .

Order Amount (INR) 18,88,000.00

Terms & Conditions :**General Terms & Condition**

1. You have to mobilize after receiving the W.O. as per instruction of NEO in charge
2. Necessary manpower, tools, tackles to be carry out the job is in your scope.
3. You will provide a dedicated mobile phone to your Site-in-charge at site and he must response whenever called.
4. Material shifting from Store to site and site to store will be in your scope
5. Jointly signed Reconciliation sheet will be submitted alongwith the bill for release of payment.
6. Power and Water will be supplied at one point you will make your own arrangement for your requirement.
7. You have to take care of all safety aspects of your employees working at site.
8. You have to follow all safety norms and ensure all kind of safety to your workers and supervisors.
9. You are liable to follow all necessary rules and regulation under law of land e.g. Factory Acts, Labour Acts etc.
10. In the event of any claim or demand being made on us as a consequent of any act deed or thing done by you in the course of executing the work, you will be liable to indemnify for the same.
11. If any accident occurs during the work, you will be liable for all payments, maintenance etc. to the worker / worker's family as per the statutory rules in force in the state or the country as a whole.
12. You will be responsible for all payment including minimum wages to your workers as per the Government rules.
12. All employees engaged in the site must cover ESI & EPF registration/ under insurance coverage and the certificate of which to be submitted before execution of work. Those who are not covered under ESI / Workmen Compensation Insurance and any liability occur to NML the same will be realized from you.
13. All Statutory liabilities will be in your scope.
14. Other existing not rules mentioned here shall be applicable as per prevailing rules of NML.

Scope Of Work**SCOPE OF WORK MAINTENANCE OF SAPLINGS :**

1. Alignment of Planting lines and staking the pit and initial cleaning of the planting site by machine.
2. Digging of planting pit of size (0.60+0.45/2)x0.45cm at a spacing of 1.5 mtr x 1.5 mtr (4000 Nos.).
3. Pit Filling and Application Pulversised Organic manure, neem oil cake.
4. Application of NPK as per does prescribe per pit.
5. Transplanting of potted seeding in pits including carriage of Root Trainers to planting site and collection and recarriage of Root Trainees to local store site.
6. Filling up the vacancies.
7. Application of Insecticides to the planted seedings.
8. 1st mulching, weeding, cleaning and application of fertilizer with 40 Gm NPK.

Annexure-I b

ANNEXURE-I (b)

Green Belt Development Report

No. of Saplings Planted	Name of Species Planted	Area covered Under Plantation	Survival Rate	Density	Area Under Plantation in Numerical form	Percentage of Project Area
23507 No.s (Planted as on Dt.30-09-2022)	Sonajuri, Jamul, Arjun, Kadamb, Karanj, Simarua, Chhatiana, Radhachur etc	Approx. 30.74 Acre	Approx. 92 %	1200 Nos of Samplings in 1 Acre	Approx. 30.74 Acre	34.1%



Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Burdwan Division.

Phone - Fax:: 0342-2950507, e-mail : dfobdn@yahoo.co.in



No. 275 / 8

Dated, Burdwan, the

25 / 01 / 2022.

To : M/S NEO Metaliks Limited
Village and Post- Gopalpur
Durgapur-12
Dist.- Paschim Bardhaman

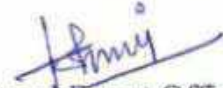


Sub.- Certificate regarding plantation of tree in non-forest area

As per field verification report of Range Officer, Durgapur Range this is hereby certified that M/s Neo Metaliks Ltd. has undertaken plantation program since 2013-2021 over about 25.74 acres that is 33% of your total plant area of 78 acres. The species planted include Teak, Kadam, Radhachura, Krishnachura, Sirish, Rain tree, Akashmoni etc with some fruit species. It is suggested that you are to maintain uniform spacing as per approved plantation technique and also it should be encouraging to plant broad leaf species along with shrub species as a sunk of pollution. You are also to advise that planting of Akashmoni species should be discouraged as far as practicable and maintenance should be continued as per requirement to maintain the present status of the plantation.

Please keep it up for creation of further green belt in your plant premises available for such work maintaining proper plantation plan and guideline in consultation with the Range Officer Durgapur Range.

A copy of physical field verification report of Range Officer, Durgapur Range is enclosed herewith for maintaining the suggestion made by him.


Divisional Forest Officer
Burdwan Division

No. 275(1) / 8

Dated, Burdwan, the

25 / 01 / 2022

Copy forwarded for information to:
The Range Officer, Durgapur Range.

Sd/- Nisha Goswami, I.F.S.
Divisional Forest Officer
Burdwan Division



Neo Metaliks Ltd. Park Plaza, 29, Park Street, 6th North Block, Kolkata - 700 016
 Tel : +91 33 4000 4050, Fax : +91 33 2212 7317, E-mail: info@neometaliks.com
 Website: www.neometaliks.com, CIN: U27109WB2003PLC097231

PURCHASE ORDER

Ref: NML/ENVIRON/ENVEA/2209

Dated: 28th July, 2022

To,

**M/s. ENVEA INDIA PVT LTD,
 22 G, Gorachand Road,
 Kolkata-700 014**

Email: s.mazumder@envea.global

Kind Attn: Mr. Suvam Mazumder, Manager Sales (Mob: 9681541523)

Sub: Purchase Order for Supply, Installation, Operation and Maintenance Services of 3 Sets of Continuous Ambient Air Quality Monitoring Station including Supervision Services, Supply of Successful Commissioning Spares and Consumables (with data on-line transmission to West Bengal Pollution Control Board and Central Pollution Control Board) required at our Neo Metaliks Limited Plant at Durgapur, West Bengal.

Dear Sirs,

With reference to above subject and based on our various discussions, we, M/s Neo Metaliks Ltd. (herein after referred as "Purchaser") are pleased to issue the Purchase Order (PO) (herein after may be referred as "Order" / "Contract" on M/s Envea India Pvt. Ltd. (herein after referred as "Supplier") for Supply, Installation, Operation and Maintenance Services of 3 Set of Continuous Ambient Air Quality Monitoring station including Supervision Services, Supply of Successful Commissioning Spares and Maintenance Contract for 30 (thirty) months (inclusive of spares, consumables & free site visit) (with data on-line transmission to West Bengal Pollution Control Board and Central Pollution Control Board) at our Neo Metaliks Limited Plant at Durgapur, West Bengal.

The broad terms & conditions of the Purchase Order are detailed below: -

A/ SCOPE OF WORK: Scope of work shall include broadly the following but not limited to:-

- 1/ Supply, Installation, Operation and Maintenance Services of 3 Set of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) including Supervision Services, Supply of Successful Commissioning Spares and Maintenance Contract for 30 (thirty) months (inclusive of spares, consumables & free site visit) (with data on-line transmission to West Bengal Pollution Control Board and Central Pollution Control Board) as detailed at Annexures.
- 2/ Detailed Scope of Work, Specifications of the Equipment's & Scope of supply along with other Documents required shall be as per "Annexures" mentioned below:
 - a/ Annexure-I: Scope of Work & Price Break-up
 - b/ Annexure-II: Technical Specification
 - c/ Annexure-III: Performance Guarantee Parameters
 - d/ Annexure-IV: Scope Matrix
 - e/ Annexure-V: Documents Required



Sud



Qualissure Laboratory Services

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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: M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	ULR No. : TC627122000004683F Report No. : QLS/A/22-23/C/385 Date : 12.09.2022 Sample No. : QLS/A/22-23/385 Date of Performance(s) : 25.08.2022-10.09.2022 Sample Description : Ambient Air Ref No. Date : W122505-006, Dated: 05.05.2022
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Analysis Result

Location: Near Main Gate			Date of sampling : 23-24.08.2022	
Sampling Done by: P.Mandal/S.Ghosh			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	88	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	47	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.2	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	938.1	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	28.8	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.06	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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DOC NO : QLS/SAMP/JR-A/22

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC6271220000046241
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/385
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/385
Paschim Bardhaman	Date of Performance(s)	: 25.08.2022-10.09.2022
West Bengal - 713 212	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006, Dated: 05.09.2022

Analysis Result

Location: Near Admin. Building		Date of sampling : 23-24.08.2022		
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	72	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	41	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.4	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.1	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	640.6	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	12.5	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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TC-6271

TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000004685F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/387
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/387
Paschim Bardhaman	Date of Performance(S)	: 29.08.2022-10.09.2022
West Bengal – 713 212	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near CPP Cooling Tower		Date of sampling : 26-27.08.2022		
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	67	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	30	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	5.2	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	26.3	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	446.2	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	29.0	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.05	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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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.	: TC627122000004686F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/388
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/388
Paschim Bardhaman	Date of Performance(s)	: 29.08.2022-10.09.2022
West Bengal - 713 212	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Location: PCM Side Boundary Wall		Date of sampling : 26-27.08.2022		
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	66	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	31	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.0	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.9	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	675.0	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	17.3	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) In µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000004687F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/389
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/389
Paschim Bardhaman	Date of Performance(s)	: 29.08.2022-10.09.2022
West Bengal – 713 212	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Location: North- East Boundary Wall		Date of sampling : 27-28.08.2022		
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	51	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	23	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	6.0	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.5	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	561	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	<10.0	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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TC-6271

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

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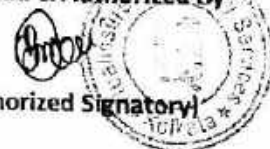
Name & Address Of the Customer :	ULR No. : TC627122000004066F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/224
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/224
Paschim Bardhaman	Date of Performance : 07-18.07.2022
West Bengal - 713 212	Sample Description : Ambient Air
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location: North- East Boundary Wall		Date of sampling : 06-07.07.2022		
Sampling Done by: P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	51	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in $\mu\text{g}/\text{m}^3$	23	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 $\mu\text{g}/\text{m}^3$	27.5	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	561	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	<10.0	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. :	TC627122000004062F
M/s. Neo Metaliks Ltd.	Report No. :	QLS/A/22-23/C/220
Vill + P.O. : Gopalpur	Date :	28.7.2022
P.S. : Kanksa, Durgapur	Sample No. :	QLS/A/22-23/220
Paschim Bardhaman	Date of Performance :	07-18.07.2022
West Bengal - 713 212	Sample Description :	Ambient Air
	Ref No. Date :	W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near PCM Boundary Wall			Date of sampling : 04-05.07.2022	
Sampling Done by: P.Mondal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	72	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	6.1	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	29.7	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	755	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	16.4	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality..				

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

TEST REPORT

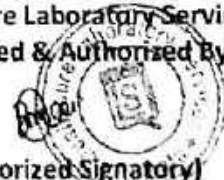
Name & Address Of the Customer :	ULR No. : TC627122000004063F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/221
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/221
Paschim Bardhaman	Date of Performance : 07-18.07.2022
West Bengal - 713 212	Sample Description : Ambient Air
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near CPP Cooling Tower			Date of sampling : 05-06.07.2022	
Sampling Done by: SP.Mondal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	63	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	25	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	5.8	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	27.6	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	492	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	31.5	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

for Qualissure Laboratory Services
Reviewed & Authorized By

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Qualissure Laboratory Services

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. : TC627122000004064F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/222
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/222
Paschim Bardhaman	Date of Performance : 07-18.07.2022
West Bengal - 713 212	Sample Description : Ambient Air
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near Main Gate		Date of sampling : 05-06.07.2022		
Sampling Done by: S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)		
Environmental Condition : Cloudy & Partially Rain				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	93	100	IS: 5182 (Part-23), 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	7.6	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
6	Ammonia (NH ₃) in µg/m ³	33.5	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.05	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004065F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/223
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/223
Paschim Bardhaman	Date of Performance : 07-28.07.2022
West Bengal - 713 212	Sample Description : Ambient Air
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near Admin Building			Date of sampling : 06-07.07.2022	
Sampling Done by: P.Mondal			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain				
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	44	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.0	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	28.6	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	778	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	13.4	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	<0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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



Bi-monthly

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001856F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-28/22-23/C/01
Vill + P.O. : Gopalpur	Date : 24.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-28/22-23/01
Paschim Bardhaman	Date of Performance : 16-22.04.2022
West Bengal - 713 212	Sample Description : Ambient Air
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near PCM Boundary Wall			Date of sampling : 12.04-13.04.2022 .	
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	86	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	45	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	32.5	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	800.8	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	24.6	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.06	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality. Sprinkler System On during Sampling.				

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Qualissure Laboratory Services

ISO 9001:2015 Certified
 Email: info@qualissure.com, info@qualissure.com, 98765 43210 98765 43210



DOC NO: QLS/SAMP/05-A/02

TEST REPORT

Name & Address Of the Customer:	ULP No.	: T0527122500001857F
M/s. Ness Metallix Ltd.	Report No.	: QLS/P-28/22-23/C/02
Vill - P.O. : Satalpur	Date	: 15.05.2022
P.S. : Karimnagar	Sample No.	: QLS/P-28/22-23/02
Provision Barhaman	Date of Performance	: 15-22.04.2022
West Bengal - 713 212	Sample Description	: Ambient Air
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near Admin Building			Date of sampling: 12.04.13.04.2022	
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 $\mu\text{g}/\text{m}^3$	95	100	IS: 5132 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in $\mu\text{g}/\text{m}^3$	34	50	USEPA CFR-40, Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	8.8	80	IS: 5122 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	33.5	80	IS: 5122 (Part-5)-2005, RA-2017
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	322.8	2000	IS: 5122 (Part-10)-1999, RA-2014
6	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	25.2	450	Air Sampling, 3 rd Edn -Method-401
7	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.04	1	EPA IO-3.2 & 3.0
NOTE: Limit as per CPCB, New Delhi, 12 th November 2009, for Ambient air quality. Certified System in Ongoing Sampling.				

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001858F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-28/22-23/C/03
Vill + P.O. : Gopalpur	Date : 24.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-28/22-23/03
Paschim Bardhaman	Date of Performance : 16-22.04.2022
West Bengal - 713 212	Sample Description : Ambient Air
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location: Near CPP Cooling Tower		Date of sampling : 12.04-13.04.2022		
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	84	100	IS: 5182 (Part-23), RA-2017
2	Particulate matter (PM _{2.5}) in µg/m ³	47	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	7.8	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	31.1	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	912.8	2000	IS: 5182 (Part-10):1999,RA-2014
6	Ammonia (NH ₃) in µg/m ³	24.3	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.02	1	EPA IO-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality.				

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TEST REPORT

Name & Address of the Customer	Ref No.	10000000000000000000
M/s. Neo Metals Ltd	Product No.	000000000000000000
Attn - P.O. Executive	Date	10/08/2022
P.O. : Kolkata Durgam	Serial No.	000000000000000000
Pradip Barman	Date of Issuance	10/08/2022
West Bengal - 700 000	Sample Description	unlabeled
	Ref No. Date	10000000000000000000 10/08/2022

Analysis Result

Location: Near Main Gate		Date of Sampling: 13 Oct 2021	
Sampling Done by: I. Ghosh, P. Mandal		Sampling Done at: 10:30 AM	
Environmental Condition: Clear & Sunny			
Sl. No.	Parameters	Result	Unit as per ISIRI
1	Particulate matter (PM ₁₀) in $\mu\text{g}/\text{m}^3$	118	100
2	Particulate matter (PM _{2.5}) in $\mu\text{g}/\text{m}^3$	55	50
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	30	30
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	34.7	30
5	Carbon monoxide (CO) in $\mu\text{g}/\text{m}^3$	200.8	2000
6	Ammonia (NH ₃) in $\mu\text{g}/\text{m}^3$	32.3	400
7	Acid Rain	1.02	0
8	Wetfall (pH)	5.6	5.6

NOTE: Data as of ~~September 2008~~ New Data as of November 2008. for ambient air quality.

Indigenous American
 Population of the
 United States
 1900-1950

- The results clearly only in his family's assets
- This test cannot tell you or approximate distance for prediction of Yellowstone character, location
- The nearest part of sample(s), except possible sample(s), will be claimed for it (not from the area of view of the sample)



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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001860F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-28/22-23/C/05
Vill + P.O. : Gopalpur	Date : 24.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-28/22-23/05
Paschim Bardhaman	Date of Performance : 16-22.04.2022
West Bengal - 713 212	Sample Description : Ambient Air
	Ref No. Date : W122505-006 Dated 05.05.2022

Analysis Result

Location: Near North-East Boundary wall			Date of sampling : 13.04-14.04.2022	
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	93	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-1
3	Sulphur dioxide (SO ₂) in µg/m ³	8.6	80	IS: 5182 (Part-2)-2001, RA-2017
4	Nitrogen dioxide (NO ₂) in µg/m ³	31.4	80	IS: 5182 (Part- 6)-2006, RA-2017
5	Carbon Monoxide (CO) in µg/m ³	686	2000	IS: 5182 (Part-10)-1999, RA-2014
6	Ammonia (NH ₃) in µg/m ³	30.6	400	Air Sampling , 3 rd Edn -Method-401
7	Lead (Pb) in µg/m ³	0.05	1	EPA 10-3.2 & 5.0
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality,				

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ANNEXURE - IV

Park Plaza, 71 Park Street, 6F, North Block, Kolkata, Pin-700016-713212
Tel : 033-40504050 Fax No - 033-22177317 Email : info@neometaliks.com
Website : www.neometaliks.com CIN No. : U27109WB2003PLC097231

SUPPLIER'S COPY / OFFICE COPY

purchase@neometaliks.com

Page 1 of 3

PURCHASE ORDER

Details of Supplier Prerana Engineers & Consultants Pvt. Ltd. 28 D, R.K.SAMADHI ROAD State Name : West Bengal State Code : 19 GSTIN/Unique ID: 19AABCP5990L1ZR PAN No. : AABCP5990L Contact Detail :		PO. No. : PU21D01-001 PO. Date : 01-12-2021 Div Code : Blast Furnace Quotation No. : OFFER & OUR LOT MAIL DTD.05 Quotation Date : 10-08-2021 Order Amend No. : 1 Order Amend Date : 14-12-2021 Kind Attn. : Person : Mr. Sutanu Bhattacharyya Detail : 9831365031 / 7980714577 Email : sutanu@preranaengineers.com	
--	--	---	--

Shipping From Address State Name : State Code : GSTIN/Unique ID : PAN No. : Contact Detail :		Billing To Address NEO METALIKS LIMITED VILL : GOPALPUR, PO : GOPALPUR, VIA : DURGAPUR, DIST : BURDWAN, DURGAPUR - 713212 State Name : West Bengal State Code : 19 GSTIN : 19AABCN8514G1ZE PAN No. : AABCN8514G CIN No. : U27109WB2003PLC Contact Detail : Ph. No. : 40504050, Email : info@neometaliks.com	
---	--	--	--

Sr No.	Item Code	Description	HSN No.	Ref. No.	UM	Qty	Price/Unit (INR)	Discount	Value
1	190602001	SEWAGE TREATMENT PLANT Item Desc : DESIGN, ENGINEERING AND SUPPLY OF 75 KLD STP Remark : 1. SUPPLY OF STP WITH DESIGN ENGINEERING AND SUPERVISION OF ERECTION AND COMMISSIONING OF 75 KLD SEWAGE TREATMENT PLANT (BASKET CENTRIFUGE AS SLUDGE DEWATERING SYSTEM) ALONGWITH SPARES FOR COMMISSIONING OF STP WILL BE IN YOUR SCOPE. (DETAILS AS PER ATTACHED ANNEXURES). a. Annexure-I- Scope of Supply for STP 75 KLS. b. Annexure-II - Guaranteed Parameters. c. Annexure-III -Technical Specifications of Supplied Equipments.	8414	JU21D01-001	LUM	1.000	13,50,000.00		13,50,000.00

In Words-Rs - Thirteen Lakhs Fifty Thousand Only . Total (INR) 13,50,000.00

SGST
1,21,500.00
CGST
1,21,500.00

In Words-Rs - Fifteen Lakhs Ninety Three Thousand Only . Order Amount (INR) 15,93,000.00

Amendment Remark :-
MAIL REQUEST DTD.07/12/21

HSN/SAC	Taxable value	CGST		SGST		IGST		CESS	
		Rate	Amt.	Rate	Amt.	Rate	Amt.	Rate	Amt.
8414	1350000	9	121500	9	121500			0	0
Total :	1350000		121500		121500				0

Total Tax Value (In Word) : Total Tax (In word) : Rs - Two Lakhs Forty Three Thousand Only .

Terms & Conditions :

- Price Basis : PRICES ARE F.O.R NEO PLANT DURGAPUR, W.B. ON DOOR DELIVERY BASIS.
 Taxes & Duties : GST EXTRA AS APPLICABLE.
 Mode of Dispatch : BY ROAD TRANSPORT OR ANY SUITABLE.
 Freight : FREE DELIVERY TO OUR DURGAPUR PLANT.



Park Plaza, 71 Park Street, 6F, North Block, Kolkata - 700 016
 Tel: + 91 33 4050 4050, Fax: + 91 33 2217 7317, E-mail: info@neometaliks.com
 Website: www.neometaliks.com, CIN: U27109WB2603PLC097231



PURCHASE ORDER

NML/BGTG/MBF-03/03062022

Dated: 06th June, 2022

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

Email: john@sinoindia.cn

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

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

References:-

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

Dear Sirs,

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

PRIMA EQUIPMENT

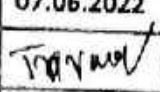
Designer & Manufacturer Pollution & Environment Monitoring Equipment

**TEST/ CALIBRATION CERTIFICATE**

DOC.REF.NO.	PE/SR/FM/05	REV:	01/WEF: 01-09-2018
CERTIFICATE NO.:	PE/2K22-06/193	DATED:	07.06.2022
CUSTOMER NAME:	M/S. NEO METALIKS LIMITED		
ADDRESS:	Village: Gopalpur, Via. Durgapur, Dist. Burdwan, Durgapur, West Bengal-713212		
CUSTOMER PO NO.:	W122615-002	DATED:	15.06.2022
INSTALLATION LOCATION:	STACK-3_CPP-Boiler	DATE of INSTALLATION	04.08.2018
ACCURACY:	± 2% AT CONSTANT TEMPERATURE	OPERATING TEMPRATURE	0 – 50°C
INST. SERIAL NO.:	1807028	MODEL:	PE-PM-91
SR. NO.	DESCRIPTION OF TEST/ EVALUATION	CRITERIA	RESULT
1.	PM/DUST Range: 0 - 1000 mg/Nm ³ , Resolution: 1 mg/Nm ³	Tested	OK
2.	Graphical Display / Indicator	Working	OK
3.	Actuator Switch	Functioning	OK
4.	TP-1 Output (In disconnected state of sensor)	0.0000	OK
5.	PE-1 Output (In disconnected state of sensor)	0.0000	OK
6.	PE-2 Output (In disconnected state of sensor)	0.0000	OK
7.	BS Output (In disconnected state of sensor)	12 mV	OK
8.	TP-2 Output (In disconnected state of sensor)	-25 mV	OK
9.	TP-4 Output (In disconnected state of sensor)	-20 mV	OK
10.	TP-5 Output (In disconnected state of sensor)	-10 mV	OK
11.	TP-7 Output (In disconnected state of sensor)	-125 mV	OK
12.	Mother card's output (When Load cell connected)	8 V	OK
13.	4-20mA output on Zero input	4 mA	OK
14.	4-20 mA Card Output on Full Scale Input (When Load Cell Connected)	20 mA	OK
15.	RS485 Modbus RTU output	Functioning	OK
16.	Full Scale Display of panel (when Load Cell Connected)	Functioning	OK
17.	Overall Test	Functioning	OK
Date of Calibration	07.06.2022	Due Date	06.12.2022
Tested By	Tarun	Test Date	07.06.2022
Authorized By	Chandra	Date	07.06.2022



TEST/ CALIBRATION CERTIFICATE

DOC.REF.NO.	PE/SR/FM/05	REV:	01/WEF: 01-09-2018
CERTIFICATE NO.:	PE/2K22-06/195	DATED:	07.06.2022
CUSTOMER NAME:	M/S. NEO METALIKS LIMITED		
ADDRESS:	Village: Gopalpur, Via. Durgapur, Dist. Burdwan, Durgapur, West Bengal-713212		
CUSTOMER PO NO.:	W122615-002	DATED:	15.06.2022
INSTALLATION LOCATION:	STACK-2-Mini Blast Furnace	DATE of INSTALLATION	30.01.2018
ACCURACY:	± 2% AT CONSTANT TEMPERATURE	OPERATING TEMPRATURE	0 – 50°C
INST. SERIAL NO.:	1801010	MODEL:	PE-PM-91
SR. NO.	DESCRIPTION OF TEST/ EVALUATION	CRITERIA	RESULT
1.	PM/DUST Range: 0 - 1000 mg/Nm ³ , Resolution: 1 mg/Nm ³	Tested	OK
2.	Graphical Display / Indicator	Working	OK
3.	Actuator Switch	Functioning	OK
4.	TP-1 Output (In disconnected state of sensor)	0.0000	OK
5.	PE-1 Output (In disconnected state of sensor)	0.0000	OK
6.	PE-2 Output (In disconnected state of sensor)	0.0000	OK
7.	BS Output (In disconnected state of sensor)	12 mV	OK
8.	TP-2 Output (In disconnected state of sensor)	-25 mV	OK
9.	TP-4 Output (In disconnected state of sensor)	-20 mV	OK
10.	TP-5 Output (In disconnected state of sensor)	-10 mV	OK
11.	TP-7 Output (In disconnected state of sensor)	-125 mV	OK
12.	Mother card's output (When Load cell connected)	8 V	OK
13.	4-20mA output on Zero input	4 mA	OK
14.	4-20 mA Card Output on Full Scale Input (When Load Cell Connected)	20 mA	OK
15.	R5485 Modbus RTU output	Functioning	OK
16.	Full Scale Display of panel (when Load Cell Connected)	Functioning	OK
17.	Overall Test	Functioning	OK
Date of Calibration	07.06.2022	Due Date	06.12.2022
Tested By		Test Date	07.06.2022
Authorized By		Date	07.06.2022



PRIMA EQUIPMENT

Designer & Manufacturer Pollution & Environment Monitoring Equipment.

**TEST/ CALIBRATION CERTIFICATE**

DOC.REF.NO.	PE/SR/FM/05	REV:	01/WEF: 01-09-2018
CERTIFICATE NO.:	PE/2K22-06/196	DATED:	07.06.2022
CUSTOMER NAME:	M/S. NEO METALIKS LIMITED		
ADDRESS:	Village: Gopalpur, Via. Durgapur, Dist. Burdwan, Durgapur, West Bengal-713212		
CUSTOMER PO NO.:	W122615-001	DATED:	15.06.2022
INSTALLATION LOCATION:	STACK-1-SINTER (Head ESP)	DATE of INSTALLATION	30.01.2018
ACCURACY:	± 2% AT CONSTANT TEMPERATURE	OPERATING TEMPRATURE	0 – 50°C
INST. SERIAL NO.:	1801011	MODEL:	PE-PM-91
SR. NO.	DESCRIPTION OF TEST/ EVALUATION	CRITERIA	RESULT
1.	PM/DUST Range: 0 - 1000 mg/Nm ³ , Resolution: 1 mg/Nm ³	Tested	OK
2.	Graphical Display / Indicator	Working	OK
3.	Actuator Switch	Functioning	OK
4.	TP-1 Output (In disconnected state of sensor)	0.0000	OK
5.	PE-1 Output (In disconnected state of sensor)	0.0000	OK
6.	PE-2 Output (In disconnected state of sensor)	0.0000	OK
7.	BS Output (In disconnected state of sensor)	12 mV	OK
8.	TP-2 Output (In disconnected state of sensor)	-25 mV	OK
9.	TP-4 Output (In disconnected state of sensor)	-20 mV	OK
10.	TP-5 Output (In disconnected state of sensor)	-10 mV	OK
11.	TP-7 Output (In disconnected state of sensor)	-125 mV	OK
12.	Mother card's output (When Load cell connected)	8 V	OK
13.	4-20mA output on Zero input	4 mA	OK
14.	4-20 mA Card Output on Full Scale Input (When Load Cell Connected)	20 mA	OK
15.	RS485 Modbus RTU output	Functioning	OK
16.	Full Scale Display of panel (when Load Cell Connected)	Functioning	OK
17.	Overall Test	Functioning	OK
Date of Calibration	07.06.2022	Due Date	06.12.2022
Tested By	Taxang	Test Date	07.06.2022
Authorized By	CR	Date	07.06.2022

Corp. Office: 21, 3rd Floor, Lohana Building, Raopura, Vadodra - 390 001, Gujarat, India.

Unit 1: Block No. 12B, Dabhaha - Umraya Road, Opp. Cadila Health Ltd., Village: Dabhaha, Tal: Padra, Dist.:Vadodara - 391440, India.

Unit 2: Block No. 492, Dabhaha - Umraya Road, Opp. Cadila Health Ltd., Village: Umraya, Tal. Padra, Dist.:Vadodara - 391440, India.

www.primagroupindia.com

info@primaequipment.com

+91 98250 07609 | +91 78696 67000 | +91 265 2418938

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

TEST/ CALIBRATION CERTIFICATE

DOC.REF.NO.	PE/SR/FM/05	REV:	01/WEF: 01-09-2018
CERTIFICATE NO.:	PE/2K22-08/194	DATED:	01.08.2022
CUSTOMER NAME:	M/S. NEO METALIKS LIMITED		
ADDRESS:	Village: Gopalpur, Via. Durgapur, Dist. Burdwan, Durgapur, West Bengal-713212		
CUSTOMER PO NO.:	W122615-001	DATED:	15.06.2022
INSTALLATION LOCATION:	STACK-4-SINTER (For Tail ESP)	DATE of INSTALLATION	10.09.2018
ACCURACY:	± 2% AT CONSTANT TEMPERATURE	OPERATING TEMPRATURE	0 – 50°C
INST. SERIAL NO.:	1808038	MODEL:	PE-PM-91
SR. NO.	DESCRIPTION OF TEST/ EVALUATION	CRITERIA	RESULT
1.	PM/DUST Range: 0 - 1000 mg/Nm ³ , Resolution: 1 mg/Nm ³	Tested	OK
2.	Graphical Display / Indicator	Working	OK
3.	Actuator Switch	Functioning	OK
4.	TP-1 Output (In disconnected state of sensor)	0.0000	OK
5.	PE-1 Output (In disconnected state of sensor)	0.0000	OK
6.	PE-2 Output (In disconnected state of sensor)	0.0000	OK
7.	BS Output (In disconnected state of sensor)	12 mV	OK
8.	TP-2 Output (In disconnected state of sensor)	-25 mV	OK
9.	TP-4 Output (In disconnected state of sensor)	-20 mV	OK
10.	TP-5 Output (In disconnected state of sensor)	-10 mV	OK
11.	TP-7 Output (In disconnected state of sensor)	-125 mV	OK
12.	Mother card's output (When Load cell connected)	8 V	OK
13.	4-20mA output on Zero input	4 mA	OK
14.	4-20 mA Card Output on Full Scale Input (When Load Cell Connected)	20 mA	OK
15.	RS485 Modbus RTU output	Functioning	OK
16.	Full Scale Display of panel (when Load Cell Connected)	Functioning	OK
17.	Overall Test	Functioning	OK
Date of Calibration	01.08.2022	Due Date	31.01.2023
Tested By	Taranga	Test Date	01.08.2022
Authorized By	Amr	Date	01.08.2022





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Email: qualissure@gmail.com, info@qualissure.com : Mob No. 98312 87036 ; 9830093976

ANNEXURE - VII



TC-6271

TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000004698F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/394
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/394
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal - 713 212	Date of Performance(s)	: 29.08.2022-10.09.2022
	Sample Mark	: CPP
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 27.08.2022 at 11.00		Sampling Procedures : EPA/IS	
Sampling done by : S.Ghosh			
A : General Information of Stack:			
1	Stack connected to	: CPP	
2	Emission due to	: Combustion FO & BF Gas	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Yes	
6	Generation Capacity	: 4.5 MW	
B : Physical Characteristic of Stack:			
1	Height of Stack from ground level	: 50.0 m	
2	Diameter of Stack at bottom	: —	
3	Diameter of Stack at sampling point	: 1.4 m	
4	Height of the sampling point from ground level	: 31.0 m	
5	Area of Stack	: 1.54 m ²	
C : Analysis/Characteristic of Stack :			
1. Fuel used : BF Gas & Furnace Oil		2. Fuel consumption : BF Gas- 24000 Nm ³ /hr	
D : results of Sampling & Analysis of gaseous Emission :			
		Result	Method
1	Temperature of emission (°C)	: 132	EPA Part 2
2	Barometric pressure (mm of Hg)	: 749	EPA Part 2
3	Velocity of gas (m/sec)	: 10.44	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 41958	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 7.0	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 13.7	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 40.3	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 11	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: NIL	
F : Remarks : Nil			

for Qualissure Laboratory Services
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Email : qualissure@gmail.com; info@qualissure.com : Mob No. 98312 87086 ; 9830093976



TC-6271

TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000004699F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/395
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/395
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal – 713 212	Date of Performance(s)	: 29.08.2022-10.09.2022
	Sample Mark	: Vertical Roller Mill through Bag Filter
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 05.07.2022 at 03.30 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 :	
1 Temperature of emission (°C)	Result : 90 Method : EPA Part 2
2 Barometric pressure (mm of Hg)	: 749 EPA Part 2
3 Velocity of gas (m/sec)	: 15.87 EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 24466 EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 0.4 IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4 EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 28.1 EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 57 EPA Part 5
E : Pollution :	
Details of pollution control devices attached with the stack	: Bag Filter
F : Remarks : Nil	

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TC-6271

TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004700F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/396
Vill + P.O. : Gopalpur	Date : 12.09.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/396
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance(s) : 29.08.2022-10.09.2022
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 27.08.2022 at 16.50	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)	: 154 EPA Part 2
2 Barometric pressure (mm of Hg)	: 749 EPA Part 2
3 Velocity of gas (m/sec)	: 9.40 EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 95856 EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 6.2 IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 34.6 EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 53.7 EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 27 EPA Part 5
E : Pollution :	
Details of pollution control devices attached with the stack	: Cyclone Separator, Saturator & Ventury scrubber
F : Remarks : Nil	

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TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000004694F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/390
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/390
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal – 713 212	Date of Performance(s)	: 29.08.2022-10.09.2022
	Sample Mark	: Sinter Plant (Head ESP)
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 26.08.2022 at 11.10		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)	: 749	EPA Part 2
3	Velocity of gas (m/sec)	: 10.63	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 105724	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 4.8	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 32.0	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 38.2	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 42	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: ESP	
F : Remarks : Nil			

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



TC-6271

TC 6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004695F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/391
Vill + P.O. : Gopalpur	Date : 12.09.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/391
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 29.08.2022-10.09.2022
	Sample Mark : Sinter Plant (Tail ESP)
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 26.08.2022 at 12.20		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)	: 749	EPA Part 2
3	Velocity of gas (m/sec)	: 10.94	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 103815	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 8.4	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 31.0	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 30	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: ESP	
F : Remarks : Nil			

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



TC-6271

TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004696F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/392
Vill + P.O. : Gopalpur	Date : 12.09.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/392
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Date of Performance(s) : 29.08.2022-10.09.2022
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 26.08.2022 at 02:10		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)	: 264	EPA Part 2 ---
2	Barometric pressure (mm of Hg)	: 749	EPA Part 2 ---
3	Velocity of gas (m/sec)	: 14.26	EPA Part 2 ---
4	Quantity of gas flow (Nm ³ /hr)	: 1379	EPA Part 2 ---
5	Concentration of Carbon monoxide(mg/Nm ³)	: 94 at 15% O ₂	IS:13270-1992, Reaf : 2017 150
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-6 710
8	Concentration of Oxides of Nitrogen (ppm)	: 8.3 at 15% O ₂	EPA Part-7 100
9	Concentration of Particulate Matters (mg/Nm ³)	: 23.4 at 15% O ₂	EPA Part 5 75
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F : Remarks : Nil			

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004080F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/238
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/238
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Ref No. Date : W122505-06, Dated: 05.05.2022

Analysis Result

Analysis Report

Date & Time of Sampling : 06.07.2022 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	LIMIT
1 Temperature of emission (°C)	: 277	EPA Part 2	---
2 Barometric pressure (mm of Hg)	: 744	EPA Part 2	---
3 Velocity of gas (m/sec)	: 14.79	EPA Part 2	---
4 Quantity of gas flow (Nm ³ /hr)	: 1387	EPA Part 2	---
5 Concentration of Carbon monoxide(mg/Nm ³)	: 73.5 at 15% O ₂	IS:13270-1992, Reaf : 2017	150
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	710
8 Concentration of Nitrogen dioxide (ppm)	: 8.2 at 15% O ₂	EPA Part-7	100
9 Concentration of Particulate Matters (mg/Nm ³)	: 17 at 15% O ₂	EPA Part 5	75
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F : Remarks : Nil			

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000004079F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/237
Vill + P.O. : Gopalpur	Date	: 28.07.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/237
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal – 713 212	Date of Performance	: 07-18.07.2022
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Analysis Result

Date & Time of Sampling : 06.07.2022 at 02:45 P.M.	Sampling done by : S.Ghosh	Sampling Procedures : EPA/IS
A : General Information of Stack:		
1 Stack connected to	: DG Set-1250 kVA	
2 Emission due to	: Combustion 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 :		
1 Temperature of emission (°C)	Result : 269	Method : EPA Part 2
2 Barometric pressure (mm of Hg)	: 744	EPA Part 2
3 Velocity of gas (m/sec)	: 13.08	EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 1244	EPA Part 2
5 Concentration of Carbon monoxide(mg/Nm ³)	: 89 at 15% O ₂	IS:13270-1992, Reaf : 2017
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
8 Concentration of Nitrogen dioxide (ppm)	: 8.2 at 15% O ₂	EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 20 at 15% O ₂	EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack : NIL		
F : Remarks : Nil		

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004073F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/231
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/231
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Sample Mark : Sinter Plant (Tail ESP)
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 05.07.2022 at 10.30 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)	: 85	EPA Part 2
2	Barometric pressure (mm of Hg)	: 744	EPA Part 2
3	Velocity of gas (m/sec)	: 11.18	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 103016	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 8.0	EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 29.2	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 27	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: ESP	
F : Remarks : Nil			

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TCG27122000004074F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/232
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/232
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Sample Mark : Sinter Plant (Head ESP)
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 05.07.2022 at 11.30 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)	: 133 EPA Part 2
2 Barometric pressure (mm of Hg)	: 744 EPA Part 2
3 Velocity of gas (m/sec)	: 11.05 EPA Part 2
4 Quantity of gas flow (Nm ³ /hr)	: 108629 EPA Part 2
5 Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6 Concentration of Carbon dioxide (%)	: 5.0 IS:13270-1992, Reaf : 2017
7 Concentration of Sulphur dioxide (mg/Nm ³)	: 32.6 EPA Part-6
8 Concentration of Oxides of Nitrogen (mg/Nm ³)	: 39.5 EPA Part-7
9 Concentration of Particulate Matters (mg/Nm ³)	: 44 EPA Part 5
E : Pollution :	
Details of pollution control devices attached with the stack	: ESP
F : Remarks : Nil	

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

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Name & Address Of the Customer :	ULR No. : TC627122000004075F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/233
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/233
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Sample Mark : Vertical Roller Mill
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 05.07.2022 at 03.30 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)	: 89	EPA Part 2
2	Barometric pressure (mm of Hg)	: 744	EPA Part 2
3	Velocity of gas (m/sec)	: 13.08	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 20057	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 0.4	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 26.0	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 62	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: Bag Filter	
F : Remarks : Nil			

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TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004077F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/235
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/235
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 06.07.2022 at 10:00 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)	: 147	EPA Part 2
2	Barometric pressure (mm of Hg)	: 744	EPA Part 2
3	Velocity of gas (m/sec)	: 10.69	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 110079	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 6.0	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 35.6	EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 58.2	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 29	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : Cyclone Separator, Saturator & Ventury scrubber			
F : Remarks : Nil			

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TC-6271

DOC NO : QLS//SAMP/08-3/50

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004078F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/236
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/236
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Date of Performance : 07-18.07.2022
	Sample Mark : CPP
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 06.07.2022 at 11.20 A.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 Nm 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)	: 744	EPA Part 2
3	Velocity of gas (m/sec)	: 10.16	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 40360	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 7.4	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 14.5	EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 43.1	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 9	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : NIL			
F : Remarks : Nil			

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001861F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/06
Vill + P.O. : Gopalpur	Date : 23.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/06
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Date of Performance : 16-22.04.2022
	Sample Mark : Sinter Plant (Head ESP)
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 12.04.2022 at 11.15 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)	: 134	EPA Part 2
2	Barometric pressure (mm of Hg)	: 745	EPA Part 2
3	Velocity of gas (m/sec)	: 10.53	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 103396	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 5.4	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 36.6	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 45.0	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 93	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: ESP	
F : Remarks : Nil			

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001862F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/07
Vill + P.O. : Gopalpur	Date : 24.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/07
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 16-22.04.2022
	Sample Mark : Vertical Roller Mill
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 12.04.2022 at 03.30 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)	: 72	EPA Part 2
2	Barometric pressure (mm of Hg)	: 745	EPA Part 2
3	Velocity of gas (m/sec)	: 13.46	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 21688	EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2	IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 0.8	IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: <3.4	EPA Part-6
8	Concentration of Oxides of Nitrogen (mg/Nm ³)	: 38.4	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 88	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack		: Bag Filter	
F : Remarks : Nil			

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TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000001864F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/09
Vill + P.O. : Gopalpur	Date	: 24.05.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/09
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal - 713 212	Date of Performance	: 16-22.04.2022
	Ref No. Date	: W122505-06, Dated: 05.05.2022

Analysis Result

Analysis Result

Date & Time of Sampling : 13.04.2022 at 12:30 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)	: 280	EPA Part 2
2	Barometric pressure (mm of Hg)	: 746	EPA Part 2
3	Velocity of gas (m/sec)	: 14.95	EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 1398	EPA Part 2
5	Concentration of Carbon monoxide(mg/Nm ³)	: 94 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)	: 9.1 at 15% O ₂	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 36.5 at 15% O ₂	EPA Part 5
E : Pollution :			
Details of pollution control devices attached with the stack : Nil			
F : Remarks : Nil			

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Email : qualissure@gmail.com; info@qualissure.com : Mob.No. 98312 87036 ; 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.	: TC627122000001865F
	Report No.	: QLS/A/22-23/C/10
	Date	: 24.05.2022
	Sample No.	: QLS/A/22-23/10
	Sample Description	: Stack Flue Gas
	Date of Performance	: 16-22.04.2022
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Analysis Result

Date & Time of Sampling : 13.04.2022 at 01:05 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)		: 267	EPA Part 2	---
2 Barometric pressure (mm of Hg)		: 746	EPA Part 2	---
3 Velocity of gas (m/sec)		: 13.29	EPA Part 2	---
4 Quantity of gas flow (Nm ³ /hr)		: 1273	EPA Part 2	---
5 Concentration of Carbon monoxide(mg/Nm ³)		: 94.8 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)		: 9.0 at 15% O ₂	EPA Part-7	100
9 Concentration of Particulate Matters (mg/Nm ³)		: 35.8 at 15% O ₂	EPA Part 5	75
E : Pollution :				
Details of pollution control devices attached with the stack		: NIL		
F : Remarks : Nil				

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TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000001867F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/12
Vill + P.O. : Gopalpur	Date	: 24.05.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/12
Paschim Bardhaman	Sample Description	: Stack Flue Gas
West Bengal - 713 212	Date of Performance	: 16-22.04.2022
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Date & Time of Sampling : 13.04.2022 at 11:30 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)	: 149 EPA Part 2
2	Barometric pressure (mm of Hg)	: 746 EPA Part 2
3	Velocity of gas (m/sec)	: 10.56 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 108520 EPA Part 2
5	Concentration of Carbon monoxide (%)	: <0.2 IS:13270-1992, Reaf : 2017
6	Concentration of Carbon dioxide (%)	: 6.8 IS:13270-1992, Reaf : 2017
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 59.9 EPA Part-6
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 65.4 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		

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TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001463F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/52
Vill + P.O. : Gopalpur	Date : 23.04.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/52
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal - 713 212	Date of Performance : 19-23.04.2022
	Sample Mark : CPP
	Ref No. Date : W122503-002, Dated: 03.05.2022

Analysis Result

Date & Time of Sampling : 18.04.2022 at 02.40 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 Nm ³ /hr
D : Results of Sampling & Analysis of gaseous Emission :		Result
1	Temperature of emission (°C)	: 130
2	Barometric pressure (mm of Hg)	: 747
3	Velocity of gas (m/sec)	: 15.70
4	Quantity of gas flow (Nm ³ /hr)	: 63182
5	Concentration of Carbon monoxide (%)	: <0.2
6	Concentration of Carbon dioxide (%)	: 8.0
7	Concentration of Sulphur dioxide (mg/Nm ³)	: 21.8
8	Concentration of Nitrogen dioxide (mg/Nm ³)	: 46.1
9	Concentration of Particulate Matters (mg/Nm ³)	: 14
E : Pollution :		
Details of pollution control devices attached with the stack		: NIL
F : Remarks : Nil		

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TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001462F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/51
Vill + P.O. : Gopalpur	Date : 23.04.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/21-22/51
Paschim Bardhaman	Sample Description : Stack Flue Gas
West Bengal – 713 212	Date of Performance : 19-23.04.2022
	Sample Mark : Sinter Plant (Tail ESP)
	Ref No. Date : W122503-002, Dated: 03.05.2022

Analysis Result

Date & Time of Sampling : 17.04.2022 at 12.35 P.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 :		
	<u>Result</u>	<u>Method</u>
1	Temperature of emission (°C)	: 87 EPA Part 2
2	Barometric pressure (mm of Hg)	: 750 EPA Part 2
3	Velocity of gas (m/sec)	: 11.32 EPA Part 2
4	Quantity of gas flow (Nm ³ /hr)	: 104499 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)	: 37.0 EPA Part-7
9	Concentration of Particulate Matters (mg/Nm ³)	: 86 EPA Part 5
E : Pollution :		
Details of pollution control devices attached with the stack		: ESP
F : Remarks : Nil		



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Qualissure Laboratory Services

Int. Prantik Pally, 1st to 1st Floor, Pukur Road, Kolkata - 700107
Email: qualissure@gmail.com, info@qualissure.com, Mob No. 98312 87036 ; 9830093476



TC-6271
TC 6271

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

TEST REPORT

Name & Address of the Customer:	ULR No. : TC627122000004692F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/402
Vill & P.O. : Gopalpur	Date : 12.09.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/402
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance(s) : 29.08.2022-10.09.2022
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Emergency Pit		Date of sampling : 27.08.2022	
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	110	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	90	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	5.4	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	26.3	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	514.8	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<0.02	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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361, Prantik Pathy, 45/361, Bose Pukur Road, Kolkata - 700107
Email: qualissure@gmail.com, info@qualissure.com, Mob No: 98312 87036, 9830093976



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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004688F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/398
Vill + P.O. : Gopalpur	Date : 12.09.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/398
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance(s) : 25.08.2022-10.09.2022
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Hot Metal Bay		Date of sampling : 23.08.2022	
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	122	IS 5182 : Part 4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	95	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.1	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
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	961	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.03	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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Qualissure Laboratory Services

601, Prantik Pally, 43/461, Dose Pukur Road, Kolkata - 700107
Email: qualissure@gmail.com, info@qualissure.com, Mob No: 98312 87086, 9830093026



DOC NO: QLS/SAMP/R08-K/00

TEST REPORT

Name & Address Of the Customer :	U/R No. : TC6271220000046891
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/399
Vill + P.O. : Gopalpur	Date : 12.09.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/399
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance(s) : 25.08.2022 - 10.09.2022
	Sample Mark : Near Tail ESP
	Ref No. Date : W122505-006, Dated 05.05.2022

Analysis Result

Location : Near Tail ESP		Date of sampling : 23.08.2022	
Sampling Done by: P.Mandal/S. Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	131	IS 5182 - Part 4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	89	IS 5182- Part 23 - 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.3	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
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	709.3	IS 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<0.02	EPA IO-4.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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Qualissure Laboratory Services

301, Prantik Pally, 45/361, Bose Pukur Road, Kolkata - 700007
Email: qualissure@gmail.com; info@qualissure.com; Mob No. 98312 87086, 9830043476



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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627123000004690F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/400
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/400
Paschim Bardhaman	Sample Description	: Work Zone Monitoring
West Bengal - 713 212	Date of Performance(s)	: 29.08.2022-10.09.2022
	Ref No. Date	: W123505-006 Dated 05.05.2021

Analysis Result

Location : Near Head ESP		Date of sampling : 26.08.2022	
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	211	IS 5182 : Part-4-1999 (RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	118	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.0	IS: 5182 (Part-2)-2001 (RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	26.8	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	840.6	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.04	EPA 10-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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



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TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000004691F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/401
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/401
Paschim Bardhaman	Sample Description	: Work Zone Monitoring
West Bengal - 713 212	Date of Performance(s)	: 29.08.2022-10.09.2022
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Ground Hopper		Date of sampling : 26.08.2022	
Sampling Done by: P.Mandal/S.Ghosh		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	166	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	98	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	5.8	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	27.0	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	732.2	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<0.02	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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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. : TC627122000004070F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/228
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa,Durgapur	Sample No. : QLS/A/22-23/228
PaschimBardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Ref No. Date : W122505-006,Dated:05.05.2022

Analysis Result

Location : Near Head ESP		Date of sampling : 05.07.2022	
Sampling Done by: P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	243	IS 5182 : Part 4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	159	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.9	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	29.8	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	789	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.09	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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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. : TC627122000004069F
M/s. Neo Metaliks Ltd.	Report No : QLS/A/22-23/C/227
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/227
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Ref No. Date : W122505-006, Dated 05.05.2022

Analysis Result

Location : Near Emergency Pit		Date of sampling : 05.07.2022	
Sampling Done by: P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	102	IS 5182 : Part 4-1999, (RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	74	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	5.9	IS: 5182 (Part-2)-2001, (RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	28.6	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	583	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<0.02	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004068F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/226
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/226
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Sample Mark : Near Tail ESP
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Tail ESP		Date of sampling : 04.07.2022	
Sampling Done by: P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	149	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	96	IS 5182. Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	6.0	IS- 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	29.4	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	755	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	<0.02	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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

TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000004067F
M/s. Neo Metaliks Ltd.	Report No. : QLS/A/22-23/C/225
Vill + P.O. : Gopalpur	Date : 28.07.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/A/22-23/225
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance : 07-18.07.2022
	Ref No. Date : W122505-006, Dated 05.05.2022

Analysis Result

Location : Near Hot Metal Bay		Date of sampling : 04.07.2022	
Sampling Done by: P.Mondal		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Partially Rain			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	113	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	84	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.4	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	30.8	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	389	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.04	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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361, Franklin Pkwy., 15th Fl., New York, New York 10017
E-mail: goodwin@compuserve.com; info@compuserve.com; Info-Pub-1993.1.2.8.10000000@compuserve.com



TEST REPORT

Name & Address Of the Customer :	ULR No.	IC637122000001869F
M/s. Neo Metaliks Ltd.	Report No.	Q15/P 28/22 23/C/14
Vill + P.O. - Gopalpur	Date	24.05.2022
P.S. - Kanksa, Durgapur	Sample No.	Q15/P 28/22 23/14
Paschim Bardhaman	Sample Description	Work Zone Monitoring
West Bengal - 713 212	Date of Performance	16-22-04-2022
	Sample Mark	Near Hot Metal Bay
	Ref No. Date	W122505-006, Dated 05.05.2022

Analysis Result

Location : Near Hot Metal Bay		Date of sampling : 14.04.2022	
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 $\mu\text{g}/\text{m}^3$	140	IS 5182 - Part 4: 1999, (RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	108	IS 5182 - Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	9.8	IS 5182 (Part-2) : 2001, (RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	14.4	IS 5182 (Part-6) : 2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	915	IS 5182 (Part-10) : (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.09	EPA 10 : 3.2 & 5.0
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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Qualissure Laboratory Services

861, Prantik Pally, 15/361, Bose Park Road, Kolkata - 700107
Email: qualissure@gmail.com, info@qualissure.com, Mob No. 98312 87036, 9830093976



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000001870F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/P-28/22-23/C/15
Vill + P.O. : Gopalpur	Date	: 24.05.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/P-28/22-23/15
Paschim Bardhaman	Sample Description	: Work Zone Monitoring
West Bengal - 713 212	Date of Performance	: 16-22.04.2022
	Sample Mark	: Near Tail ESP
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Tail ESP		Date of sampling : 13.04.2022	
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 $\mu\text{g}/\text{m}^3$	280	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	150	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.6	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	31.7	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1030	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.09	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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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. : TC627122000001871F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-28/22-23/C/16
Vill + P.O. : Gopalpur	Date : 24.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-28/22-23/16
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal – 713 212	Date of Performance : 16-22.04.2022
	Sample Mark : Near Ground Hopper
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Ground Hopper		Date of sampling : 13.04.2022	
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 $\mu\text{g}/\text{m}^3$	320	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	245	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.3	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	32.4	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	801	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.08	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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TEST REPORT

Name & Address Of the Customer :	ULR No. : TC627122000001872F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-28/22-23/C/17
Vill + P.O. : Gopalpur	Date : 24.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-28/22-23/17
Paschim Bardhaman	Sample Description : Work Zone Monitoring
West Bengal - 713 212	Date of Performance : 16-22.04.2022
	Sample Mark : Near Stock House
	Ref No. Date : W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Stock House		Date of sampling : 13.04.2022	
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 $\mu\text{g}/\text{m}^3$	160	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	110	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.1	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	33.8	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	801	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.04	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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361, Prantik Pally, 45/361, Bose, Pukur Road, Kulkarni - 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 : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal - 713 212	ULR No.	: TC627122000001873F
	Report No.	: QLS/P-28/22-23/C/18
	Date	: 24.05.2022
	Sample No.	: QLS/P-28/22-23/18
	Sample Description	: Work Zone Monitoring
	Date of Performance	: 16-22.04.2022
	Sample Mark	: Near Head ESP
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

Location : Near Head ESP		Date of sampling : 14.04.2022	
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 $\mu\text{g}/\text{m}^3$	330	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	175	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	7.4	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	32.1	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1030	IS: 5182 (Part- 10)- (RA-2017)
6	Lead (Pb) in $\mu\text{g}/\text{m}^3$	0.06	EPA IO-3.2 & 5.0
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986.			

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TC-6271

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

TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal – 713 212	ULR No.	: TC627122000001459F
	Report No.	: QLS/A/22-23/C/48
	Date	: 23.04.2022
	Sample No.	: QLS/A/22-23/48
	Sample Description	: Work Zone Monitoring
	Date of Performance	: 19-23.04.2022
	Sample Mark	: Near Main Gate
	Ref No. Date	: W122503-002, Dated: 03.05.2022

Analysis Result

Location : Near Main Gate		Date of sampling : 18.04.2022	
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 $\mu\text{g}/\text{m}^3$	413	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	303	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
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1258	IS: 5182 (Part- 10)- (RA-2017)
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

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TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000001458F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/47
Vill + P.O. : Gopalpur	Date	: 23.04.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/47
Paschim Bardhaman	Sample Description	: Work Zone Monitoring
West Bengal - 713 212	Date of Performance	: 19-23.04.2022
	Sample Mark	: Near R.M.H.S (R.M.D)
	Ref No. Date	: W122503-002, Dated: 03.05.2022

Analysis Result

Location : Near R.M.H.S (R.M.D)		Date of sampling : 18.04.2022	
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 $\mu\text{g}/\text{m}^3$	957	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	670	IS 5182: Part 23 : 2012
3	Sulphur dioxide (SO_2) in $\mu\text{g}/\text{m}^3$	9.8	IS: 5182 (Part-2)-2001,(RA-2012)
4	Nitrogen dioxide (NO_2) in $\mu\text{g}/\text{m}^3$	28.4	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1373	IS: 5182 (Part- 10)- (RA-2017)
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal - 713 212	ULR No. : TC627122000001457F Report No. : QLS/A/22-23/C/46 Date : 23.04.2022 Sample No. : QLS/A/22-23/46 Sample Description : Work Zone Monitoring Date of Performance : 19-23.04.2022 Sample Mark : Sinter Crusher Ref No. Date : W122503-002, Dated: 03.05.2022
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Analysis Result

Location : Near Sinter Crusher		Date of sampling : 18.04.2022	
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 $\mu\text{g}/\text{m}^3$	2624	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	1389	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 $\mu\text{g}/\text{m}^3$	29.2	IS: 5182 (Part- 6)-2012
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1258	IS: 5182 (Part- 10)- (RA-2017)
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

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TEST REPORT

Name & Address Of the Customer : M/s. Neo Metaliks Ltd. Vill + P.O. : Gopalpur P.S. : Kanksa, Durgapur Paschim Bardhaman West Bengal - 713 212	ULR No.	: TC627122000001456F
	Report No.	: QLS/A/22-23/C/45
	Date	: 23.04.2022
	Sample No.	: QLS/A/22-23/45
	Sample Description	: Work Zone Monitoring
	Date of Performance	: 19-23.04.2022
	Sample Mark	: Near Cuddle Repairing Shop
	Ref No. Date	: W122503-002, Dated: 03.05.2022

Analysis Result

Location : Near Cuddle Repairing Shop		Date of sampling :17.04.2022	
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 $\mu\text{g}/\text{m}^3$	396	IS 5182 : Part-4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	285	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
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	915	IS: 5182 (Part- 10)- (RA-2017)
NOTE: Fugitive emission Standard - 4000 $\mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

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TEST REPORT

Name & Address Of the Customer :	ULR No.	: TC627122000001455F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/44
Vill + P.O. : Gopalpur	Date	: 23.04.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/44
Paschim Bardhaman	Sample Description	: Work Zone Monitoring
West Bengal - 713 212	Date of Performance	: 19.23.04.2022
	Sample Mark	: Near Emergency Pit
	Ref No. Date	: W122503-002, Dated: 03.05.2022

Analysis Result

Location : Near Emergency Pit		Date of sampling : 17.04.2022	
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 $\mu\text{g}/\text{m}^3$	316	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 $\mu\text{g}/\text{m}^3$	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
5	Carbon Monoxide (CO) in $\mu\text{g}/\text{m}^3$	1030	IS: 5182 (Part- 10)- (RA-2017)
NOTE: Fugitive emission Standard - $4000 \mu\text{g}/\text{m}^3$ as per Environment (Protection) rules, 1986			

for Qualissure Laboratory Services

Reviewed & Authorized By

(Authorized Signatory)

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**TEST REPORT**

Name & Address of the Customer:	U/R No.	: TC627122000004701F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/W/22-23/C/286
Vill + P.O. Gopalpur	Date	: 12.09.2022
P.S. - Kanksa, Durgapur	Sample No.	: QLS/W/22-23/C/286
Paschim Bardhaman	Sample Description	: Drinking Water
West Bengal - 713 212	Sample Mark/ Location	: Near MBF Plant
	Sample Drawn On	: 27.08.2022
	Date of Performance(s)	: 29.08.2022, 10.09.2022
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Ref No. Date	: W122505-006, Dated 05.05.2022

Analysis Result**(A) Microbiological Analysis**

Sl 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	6.67
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	164
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	35.1
11.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	44.7
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	14.7
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	6.9
22.	Alkalinity (as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986 (RA 2014)	200	600	163.2
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	149.8
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

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Reviewed & Authorized By

(Authorized Signatory)

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Qualissure Laboratory Services

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.	: TC627122000003018F
	Report No.	: QLS/W/22-23/C/153
M/s. Neo Metaliks Ltd.	Date	: 15.07.2022
	Sample No.	: QLS/W/22-23/C/153
Vill + P.O. : Gopalpur	Sample Description	: Drinking Water
P.S. : Kanksa, Durgapur	Sample Mark/ Location	: Near MBF Plant
Paschim Bardhaman	Sample Drawn On	: 07.07.2022
West Bengal - 713212	Date of Performance	: 07.07.2022-11.07.2022
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Ref No. Date	: W122505-006, Dated 05.05.2022

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 10500:2012Amd. 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	7.15
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	188
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	25.8
11.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	46.6
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	0.09
16.	Magnesium (as Mg) in mg/l	IS 3025 (Part 46): 1994 (RA 2014)	30	100	9.1
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	9.7
22.	Alkalinity (as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986 (RA 2014)	200	600	139.2
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	102.6
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)

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TEST REPORT

Name & Address of the Customer:	ULR No.	: TC627122000001876F
	Report No.	: QLS/P-28/22-23/C/21
M/s. Neo Metaliks Ltd.	Date	: 24.05.2022
Vill + P.O. : Gopalpur	Sample No.	: QLS/P-28/22-23/C/21
P.S. : Kanksa, Durgapur	Sample Description	: Drinking Water
Paschim Bardhaman	Sample Mark/ Location	: Near MBF Plant
West Bengal – 713212	Sample Drawn On	: 12.04.2022
	Date of Performance	: 16.04.2022-26.04.2022
	Sampling Method	: IS 3025(Part 1): 1987 (RA 2019)
	Ref No. Date	: W122505-006, Dated: 05.05.2022

Analysis Result

(A) Microbiological Analysis

Sl. 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	7.19
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	180
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	29.2
11.	Chloride (as Cl) in mg/l	IS 3025 (Part 32): 1988 (RA 2014)	250	1000	44.0
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	0.06
16.	Magnesium (as Mg) in mg/l	IS 3025 (Part 46): 1994 (RA 2014)	30	100	7.4
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	8.4
22.	Alkalinity (as CaCO ₃) in mg/l	IS 3025 (Part 23): 1986 (RA 2014)	200	600	105
23.	Total Hardness (as CaCO ₃) in mg/l	IS 3025 (Part 21): 2013	200	600	103.7
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

P. R. R.

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



TC-6271

TC-6271

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

TEST REPORT

Name & Address of the Customer:	ULR No.	: TC627122000004693F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A /22-23/C/403
Vill + P.O. : Gopalpur	Date	: 12.09.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/403(A-E)
Paschim Bardhaman	Date of Performance(s)	: 29.08.2022-10.09.2022
West Bengal - 713 212	Sample Description	: Noise Monitoring
	Ref No. Date	: W122505-006, Dated 05 05 2022

Analysis Result of Noise

Sampling Done By : P.Mandal/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
403A	26-27.08.2022	Near CPP Cooling Tower	62.6	65	48.3	55
403B		Near Main Gate	65.9	65	49.5	55
403C	27-28.08.2022	Admin. Building	62.8	65	46.4	55
403D		Near PCM Boundary Wall	65.1	65	47.0	55
403E		Near Boundary Wall (North East Side)	62.6	65	47.9	55

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361, Prantik Pally, 45/361, Bose Pukur Road, Kolkata - 700107
Email: qualissure@gmail.com; info@qualissure.com; Mob No. 98312 87086; 9830091976



TC-6271

DOC NO : QLS/SAMP/08 C/00

TEST REPORT

Name & Address of the Customer:	ULR No.	: TC627122000004072F
M/s. Neo Metaliks Ltd.	Report No.	: QLS/A/22-23/C/230
Vill + P.O. : Gopalpur	Date	: 24.05.2022
P.S. : Kanksa, Durgapur	Sample No.	: QLS/A/22-23/230(A-E)
Paschim Bardhaman	Date of Performance	: 07-18.07.2022
West Bengal - 713 212	Sample Description	: Noise Monitoring
	Ref No. Date	: W122505-006, Dated: 05.05.2022

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	04-05.07.2022	In between Store & Admin Area	64.2	65	51.6	55
B		Near Main Gate	67.1	65	53.9	55
C	05-06.07.2022	Near North East Side Boundary Wall	59.9	65	50.6	55
D		Near CPP Cooling Tower	64.8	65	53.1	55
E		Near PCM Boundary Wall	66.4	65	56.8	55

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Email: qualissure@gmail.com, info@qualissure.com : Mob No. 98312 87086, 9810093976



TC-6271

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

TEST REPORT

Name & Address of the Customer:	ULR No. : TC627122000001879F
M/s. Neo Metaliks Ltd.	Report No. : QLS/P-28/22-23/C/24
Vill + P.O. : Gopalpur	Date : 24.05.2022
P.S. : Kanksa, Durgapur	Sample No. : QLS/P-28/22-23/24(A-E)
Paschim Bardhaman	Date of Performance : 16-22.04.2022
West Bengal - 713 212	Sample Description : Noise Monitoring
	Ref No. Date : W122505-006, Dated: 05.05.2022

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	12-13.04.2022	In between Store & Admin Area	63.9	65	53.6	55
B		Near Main Gate	66.9	65	54.8	55
C		Near North East Side Boundary Wall	61.3	65	53.2	55
D	13-14.04.2022	Near CPP Cooling Tower	63.2	65	54.4	55
E		Near PCM Boundary Wall	64.3	65	52.1	55

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ANNEXURE- XI		
Period	Expenditure incurred on Socio-economic/ Community Development Activities	CER activities undertaken
April'2022 to September' 2022	Total Expenditure = Rs.13,38,189/-	1. Scholarship to needy student, 2. Food distribution in the Tribal villages 3. Conducted Nursing Training programmes to make women self-employed with incubation support 4. Distributed Mosquito Net, Raincoat to Rural & Tribal people 5. Community work at Rural villages 6. Supply of Drinking water 7. Deployment of Homeopathy Doctor at Gopalpur village on daily basis 8. Tree plantation in local area/ Gopalpur village. 9. Renovation of Old Age Homes done at Durgapur, Badshah.

Park Plaza, 71 Park Street, 6F, North Block, Kolkata - 700 016
Tel.: + 91 33 4050 4050, Fax: + 91 33 2217 7317, E-mail: info@neometaliks.com
Website: www.neometaliks.com, CIN: U27109WB2003PLC097231

NEO METALIKS PVT. LTD.**IMS POLICY IN ACCORDANCE TO ISO 14001:2015 & ISO 45001**

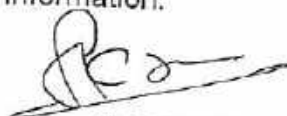
The top management of NML Head of plant along with Heads of all departments/Sections has formulated the integrated policy, appropriate to the nature, scale and purpose of NML.

This Policy has been approved by Plant Head and issued as part of this manual.

Policy states the **NML'S** intentions and principles in relation to its overall environmental performance, occupational health safety performance and overall quality of its operations.

- 1) The policy is appropriate to its nature, scale of operations, and environmental impact of its activities/products & service of **NML'S**.
- 2) The policy brings out the top management's commitment for continual improvement, prevention of injury, ill health and pollution.
- 3) The policy Commits to with compliance obligation, applicable legal and other requirements to which **NML'S** subscribes including corporate environmental requirements.
- 4) This policy also commits itself to address the occupational health and safety requirements as applicable.
- 5) This policy has been communicated to all the appropriate stakeholders, and employees and all the persons working under the control of the organization.
- 6) This policy of **NML'S** is available to the public on expression of interest as well as through display boards at common locations as well as at the entrance of the premises.
- 7) This policy is in line with the Mission, Vision and Core Values of **NML'S** Together they shall form an integrated management system.
- 8) This policy is appropriate to the purpose and context of the organization and supports its strategic direction, including the nature, scale and environmental impacts of its activities, products and services and it provides a frame work for setting environmental & EH&S Objective.
- 9) This policy includes a commitment to the protection of the environment, including prevention of pollution and other specific commitment(s) relevant to the context of the organization and it is reviewed periodically.
- 10) This IMS Policy includes commitments to continual Improvement of Integrated Management System.
- 11) IMS policy are maintained as a documented information.

Date: 20.03.21



PLANT HEAD

NEO METALIKS PVT LTD.





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 officer:
DNV - Business Assurance
ROMA, No. 10, GST Road, Alandur, Chennai -
600 016, India



0013



Sivadasan Madiyath
Management Representative

Lack of fulfillment 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

DNV

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000473590-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 fulfillment 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



Certificate no.: 10000478559-MSC-UKAS-IND
Place and date: Chennai, 10 November 2021

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.

THE TIMES OF
INDIA- Dt. 08.06.2022

PUBLIC NOTICE

PUBLIC NOTICE ENVIRONMENT CLEARANCE

It is hereby informed that the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003, has accorded Environmental Clearance for the proposed Expansion and Upgradation of Pig Iron Manufacturing Plant to a 0.4 MTPA Capacity and Inclusion of Steel Melting Shop in the existing premises of M/s. Neo Metaliks Limited at Gopalpur, Durgapur, Paschim Bardhaman, West Bengal, vide letter dated 02.06.2022, EC Identification No-EC22A008WB16704 0[E.No. J-11011/779/2007-IA, II(1)] under the provision of EIA Notification dated 14th September 2006. The copy of Environment Clearance letter is available on website of MoEF&CC (PRAIVESH) - <http://moef.nic.in/> <http://environmentclearance.nic.in/>

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EI SAMAY (Bengali-Vernacular Daily) Dt. 08.06.2022

ANNEXURE- XIII

PUBLIC NOTICE ENVIRONMENT CLEARANCE

It is hereby informed that the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003, has accorded Environmental Clearance for the proposed Expansion and Upgradation of Pig Iron Manufacturing Plant to a 0.4 MTPA Capacity and Inclusion of Steel Melting Shop in the existing premises of M/s. Neo Metaliks Limited at Gopalpur, Durgapur, Paschim Bardhaman, West Bengal, vide letter dated 02.06.2022, EC Identification No-EC22A008WB16704 0[E.No. J-11011/779/2007-IA, II(1)] under the provision of EIA Notification dated 14th September 2006. The copy of Environment Clearance letter is available on website of MoEF&CC (PRAIVESH) - <http://moef.nic.in/> <http://environmentclearance.nic.in/>

THE ESTATE OFFICER, SVAMA BODHAN



metaliks ltd.

ANNEXURE- XIV



Park Plaza, 71, Park Street, 3F (North Block), Kolkata - 700 016
Tel: +91 33 4050 4050, Fax: +91 33 2217 7317, E-mail: info@neometaliks.com

PURCHASE ORDER

Ref. NML/ENVIRON/CONTROL SYSTEMS/2910

Dated: 29th October, 2022

To,

M/s Control System & Control Solutions,
28/2F, Nakuleswar Bhattacharjee Lane,
Manoharpukur, Kalighat,
Kolkata - 700 029, West Bengal

E-Mail: control solutions@yahoo.co.in

Kind Attn: Mr. Deeptarka Roy Mob: 8276992788)

Sub: Order for Design, Engineering, Manufacturing, Supply of 06 Sets Trolley Mounted Fog / Mist Water Cannon including Erection / Assembly & Installation, Supervision Services, supply of successful Commissioning Spares and 2-Years of Spares for our Neo Metaliks Limited Plant Site at Durgapur, West Bengal

Ref: - 1/ Our Enquiry dated 30.05.2022
2/ Your Offer dated 04.06.2022
3/ Your Revised Offer dated 20.06.2022
5/ Your Revised Offer dated 01.07.2022
6/ Final discussion held on 01.07.2022

Dear Sirs,

With reference to above subject and based on our various discussions ending with final discussion held on dated 01st July, 2022 as referred above, we, M/s Neo Metaliks Ltd. (herein after referred as "Purchaser") are pleased to issue the Purchase Order (PO) (herein after may be referred as "Order" / "Contract") on M/s Control System & Control Solutions (herein after referred as "Supplier") for Design, Engineering, Manufacture, Supply of 06 Sets Trolley Mounted Fog / Mist Water Cannon including Erection / Assembly & Installation, Supervision Services, supply of successful Commissioning Spares and 2-Years of Spares required for our Up-gradation Project at M/s Neo Metaliks Limited Plant Site, Durgapur, West Bengal.

The broad terms and conditions of the Order are detailed below: -

A/ SCOPE OF WORK:

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

- 1/ Design, Engineering, Manufacture, Supply of 06 Sets Trolley Mounted Fog / Mist Water Cannon including Erection / Assembly & Installation, Supervision Services, supply of successful Commissioning Spares and 2-Years of Spares as detailed at Annexures.
- 2/ Detailed Scope of Work, Specifications of the Equipment's & Scope of supply along with other Documents required shall be as per "Annexures" mentioned below:



SPEED POST

NOCN0171997

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 106

Memo No. 993 - 2N-566/2003-PART-I

Dated 25.07.2022

From :
Member Secretary,
West Bengal Pollution Control Board

To : M/s. Neo Metaliks Limited,
Park Plaza, 71, Park Street, North Block, Kolkata- 700 016, W.B.

Sub : Consent to Establish (NOC) from Environmental Point of View

Ref : i) Your letter No. N11 Dated -
ii) EC Identification No. EC22A008WB167040, File No. J-11011/779/2007-
IA.II(I), dated 02.06.2022, issued by MoEF&CC, GOI.

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s Neo Metaliks Limited

proposed expansion and upgradation of Pig Iron Manufacturing Plant for manufacturing of Pig Iron and its installation to a 0.4 MTPA and inclusion of Steel Melting Shop (for details see Annexure) at Gopalpur, Dist.-Paschim Bardhaman, West Bengal.

this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

Mukherjee
23/07/2022
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

NOC NO171997

7. You shall comply with

- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
- (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
- (iii) Environment (Protection) Act, 1986
- (iv) Environment (Protection) Rules, 1986
- (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
- (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
- (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
- (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
- (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
- (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
- (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
- (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable

8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION :

See Annexure.

Gross Capital Investment - Rs.694,49,99,900/-

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

[Signature]
Member Secretary, Chief Engineer
West Bengal Pollution Control Board (EIM CELL)

Memo No. **393 - 2N-566/2003-PART-I** Dtd. **25.07.2022** Dated **23/07/2022**
Copy forwarded for information to :
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan	Vill, Panpur	Sahid Khudiram Sarani	10, Camac Street
Delhi Road, Dankuni	Kalyani Expressway	City Centre, Durgapur-16	2nd Floor
Dist. Hooghly	P.O. Narayanpur	Dist. Burdwan	Kolkata-700 017
	Dist. 24 Pgs. (N)		

Paribesh Bhawan	Block-05 at 40	Paribahan Nagar
10A, LA-Block, Sector-III	Flats Complex	Matigara, Siliguri
Salt Lake City,	Adjacent to Priyambada	Dist.-Darjeeling
Kolkata - 700 098	Housing Estate	
	P.O. : Khanjanchak,	
	P.S. Durgachak	
	Haldia-721602	
	Dist. : Purba Medinipur	

Satya Chowdhury	Asansol Sub-Regional Office
Indoor Stadium	ADDA Commercial Market (2nd Floor)
Balurchar Bandh Road	Opposite Asansol Fire Station
Malda-732101	G.T. Road, Asansol-713 301

[Signature]
Member Secretary, Chief Engineer
West Bengal Pollution Control Board (EIM CELL)

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Special Conditions issued to - M/s. Neo Metaliks Limited (Expansion Project) at Gopalpur, Tehsil –
Durgapur, Dist – Paschim Brdhaman, West Bengal

Emission :-

Details of units with product, production capacity and pollution control system						
Sl	Description	Capacity	Production Capacity	Product	Stack Height Details	Pollution Control System
1	DG Set	1X1250 KVA	Backup power	-	37.7 mtr	Acoustic Enclosure & Exhaust Mufflet
2	Mini Blast Furnace	215 Cu.M will be upgraded to 350 Cu.M	4,22,000 TPA	Pig Iron / Hot Metal	Stove - 60mtr Cast House - 30mtr	Bag filter system
3	Sinter Plant	Existing 33 Sq.Mtr. Along with New 36 Sq. Mtr.	5,69,700 TPA	Sinter	Head ESP - 50mtr Tail ESP - 40mtr Separate for Existing and New	Electro-Static Precipitator with appropriate capacity
4	Pulverized Coal Injection	120 Kg will be upgraded to 170 Kg	56,700 TPA	PCI Coal	Bag Filter - 41.9mtr	Bag filter system
5	Captive Power Plant	Existing 4.5MW will become stand by with additional New 10MW	10 MW	Power	Boiler - 30mtr	Low Nox Burner
6	Oxygen Plant	250 T	87,500 TPA	Oxygen	Vent pipe- 20mtr	NIL
7	Zero Power Furnace	50 T	4,16,000 TPA	Liquid Steel	30mtr	Bag filter system
8	Ladle Furnace	50 T	50 T	Refined Liquid Steel	30mtr	Bag filter system
9	Caster	4 strand - 6/11	4,07,500 TPA	Billets	30mtr (Common with ZPF)	Bag filter system
10	Rolling Mill + Wire Rod Mill	TMT + Wire	4,00,000 TPA	TMT Rebars + Wire Rods	40mtr	Released through chimney after controlling SO ₂ as per CPCV Norms
11	Vacuum Degassing Furnace	50 T	50 T	Refined Liquid Steel	30mtr (Vent stack equipped with a flare burner)	Exhaust gases from Hot Well

[Signature]
23/07/2022
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Annexure I to NOC Sl. No. – NO171997

Special Conditions issued to - M/s. Neo Metaliks Limited (Expansion Project) at Gopalpur, Tehsil – Durgapur, Dist – Paschim Brdhaman, West Bengal

- 1) Stacks should have sampling port, platform and ladder as per the Emission Regulation Part-III of CPCB. Particulate emission from all stacks shall be less than 30mg/Nm^3
- 2) The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16th November, 2009 should be complied with.
- 3) Dry fog system and water sprinklers to be installed to arrest fugitive emission.
- 4) 24X7 continuous emission monitoring system at process stacks to be installed and as well as three Continuous Ambient Air Quality Station for monitoring AAQ parameters to be installed.

Effluent :-

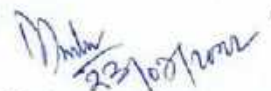
- 1) Process – To be treated in ETP. Treated effluent to be recycled as much as possible. Remaining treated water from ETP to be used in slag quenching section of SMS. Blow down water to be used in slag granulation plant.
- 2) 24X7 continuous effluent monitoring system to be installed.
- 3) Cooling water to be recycled after settling.
- 4) Domestic – to be treated in STP
- 5) ZLD system to be achieved

Solid Waste :-

- 1) Slag – to be used for road filling
- 2) Bag Filter dust – to be reused in different processes.
- 3) Fly ash to be given to cement manufacturing/brick making units.

General :-

- 1) Noise Control – Ambient noise level not to exceed the permissible limit.
- 2) No additional machineries / equipment can be installed without prior permission from the State Board.
- 3) No change in raw materials, products and production capacity should be made without prior permission from the State Board.
- 4) Plant layout should be as per EIA Report/DPR submitted during EC process.
- 5) Proper lighting and proper pathway inside the factory premises should be constructed.
- 6) Adequate measures to be adopted for control of fugitive emission.
- 7) The unit should not start operation without obtaining 'Consent to Operate' from the State Board after complete installation of pollution control devices.
- 8) The unit should obtain permission from the District level authority for ground water abstraction, if any, as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005; before applying for 'Consent to Operate' to this Board.
- 9) The unit should obtain Land Conversion Certificate from the competent authority, if applicable, before starting construction activities.
- 10) No construction is permitted on the land parcels, not under the possession of the industry.
- 11) At least 36% of the project area should be under green belt.
- 12) Rain water harvesting must be done however recharging of harvested rain water is not allowed under any circumstances.
- 13) All conditions as imposed by MoEF, GoI through their Environmental Clearance issued vide EC Identification No. - EC22A008WB167040 File No. J-11011/779/2007-1A-II(I), Dated 02/06/2022 shall be strictly complied with.
- 14) Good house-keeping to be maintained.
- 15) This NOC is valid up to 31.07.2029 for setting up the unit.


Chief Engineer (EIM Cell)
West Bengal Pollution Control Board
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.