



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

To,

Date- 06/11/2018

The Director,

Ministry of Environment & Forest

Government of India

A/3 CHANDRASEKHARPUR,

Eastern Region, Bhubaneswar-751023

Sub- Six monthly Environment Clearance compliance report for the month of April 2018 to September 2018 of Neo Metaliks Ltd Durgapur-West Bengal

Ref- Environment Clearance F. No- J -11011/779/2007-1A II (I) dated on 04/11/2008.

Dear Sir,

This has reference to the above subject matter. Please find enclosed herewith six monthly Environmental Clearances compliance status report from **April 2018 to September 2018** of Neo Metaliks Ltd.

This is for your kind information.

Yours faithfully,

For Neo Metaliks Ltd.

Authorized Signatory.



CC:- The Senior Environmental Engineer
West Bengal Pollution Control Board
City Centre Durgapur- 713216.

**Environmental clearance compliance report for the period from March - 2018 to
September - 2018 for Neo Metaliks Ltd Durgapur vide
EC No – F. No. J - 11011/779/2007-IA II (I)**

SI.No.	SPECIFIC CONDITION	COMPLIANCE STATUS
01	Efforts shall be made to reduce RSPM level in the ambient air and a time bound action plan shall be submitted. On-line stake monitoring facilities for all the stacks and sufficient air Pollution control devices shall be provided. Electrostatic precipitator (ESP) to sinter plant and bag house to electric arc furnace (EAF), dust catcher and ventury scrubber to mini blast furnace (BF) shall be provided to control the particulate emissions below 100mg/Nm³. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional office at Bhubaneswar / CPCB / W.B. Pollution control board (WBPCB) once in six months.	Efforts made to reduce RSPM level in the ambient level is given below:- a. We have installed De-dusting system to the Sinter Plant &MBF. Fugitive dust is sucked and cleaned in bag filters. b. All the conveyors and transfer points has been enclosed. c. Water sprinkling system (fixed and mobile type) has been provided in raw material handling yard, unloading point, and other vulnerable points. d. Mobile water tankers have been deployed to suppress dust generation due to truck movement. e. Concrete road has been made 0.5 Kms. f. Roads and work environment is cleaned daily. g. Tree Plantation has been done h. The natural vegetation growth along the boundary and other vacant land area has been maintained. i. Wind arrester has been installed around raw material stock yard. j. Raw Materials like Iron Ore Fines and Coke Fines are kept covered with Tarpaulin Sheets. k. All the Vehicles plying inside the Plant are regularly checked for PUC compliance certificates (exhaust emission). l. Monitoring of ambient air quality, Work zone and stack emission is done by engaging NABL approved laboratory. m. On line monitoring system has been installed for all main stacks. Time bound Action Plan to reduce RSPM Level. a. <u>Tree Plantation drive is continued. 6000saplings has been planted till 30th Sept 2018. 5000 saplings shall be planted till 31st March 2019. Purchase Order has been placed to the concerned vendor.</u>

SI.No.	SPECIFIC CONDITION	COMPLIANCE STATUS
		b. The Plant de-dusting system shall be augmented in BF stock house, Cast House, and Sinter Plant Stock House by 31st March 2019. c. <u>More than 0.5 Km. road has been made with concrete paver blocks and another 0.5 Km. road shall be made within 30th November 2018. Now, the work has been started.</u> On line monitoring facilities has been installed at all major stacks. In Sinter plant ESP installed and emission level is below the prescribed limit of 100mg/Nm³.inMBF GCP installed and emission level is below the prescribed limit of 150mg/Nm³. We have not installed the EAF. Last six-monthly report submitted for period Oct'17 to Mar'18.
02	As proposed, Waste gases from BF, Sinter Plant, induction and electric arc furnace (IF/EAF) and rolling mill reheating furnace shall be routed through suitable pollution control devices and used in sinter plant.	We have installed the BF and sinter plant. The flue gases are routed through appropriate air pollution devices like GCP, ESP and bag filters.
03	Dust suppression and extraction system including water spraying shall also be provided to control dust from raw material handling and storage area to control fugitive emissions. Fume extraction system to EAF and IF and exhaust system shall be provided to continuous casting machine (CCM) to control hot fumes and vapors.	Plant de-dusting system comprising FES and bag filters provided to control fugitive dust. Fixed Water Sprinkler provided in Ground hopper, RM handling area truck tipplers. Mobile Water Spraying Tanker deployed We have not installed EAF, IF, CCM.
04	Gaseous emission levels including secondary fugitive emission from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	Plant de-dusting system comprising FES and bag filters provided to control fugitive emission in Sinter Plant and BF. Fixed Water Sprinkler provided in Ground hopper, RM handling area, truck tippler. Mobile Water Spraying Tanker available.

SL.NO	SPECIFIC CONDITION	COMPLIANCE STATUS
05	Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished products.	Following measures has been adopted to control vehicle pollution due to transportation of raw material and finished product Fixed Water Sprinkler- Ground hopper, RM handling area. Mobile Water Spraying Tanker and cleaning of Concreting of Road regularly.
06	Total water requirement from Asansol Durgapur Development Authority (ADDA) shall not exceed 6,120 m ³ / day. No ground water shall be abstracted. Closed circuit water re-circulation system shall be used to reduce water consumption. All the treated wastewater including blow down water from BF, Sinter plant etc, Shall be recycled and reused in the process, dust suppression and green belt development. 'Zero' effluent discharged shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be used for green belt development	We have permission to 2090 m³/day water from ADDA. We have not installed the SMS and Rolling Mill mentioned in EC. Only Sinter Plant has been installed. The existing water requirement is 500 m³/ day. Permission for taking 320 m³/ day ground water has been obtained from SWID, Govt, of West Bengal. This permission has been taken to meet the domestic water requirement of staff, security personnel and for maintaining the emergency services like fire fighting, housekeeping, gardening, etc during plant shut down. <u>Water recalculation system exists and no wastewater from plant is discharged outside the plant premises.</u> <u>The plant is based on Zero Water discharge system (entire wastewater is treated and recycled/ reused within plant premises. No wastewater is discharged outside the plant premises.</u> Sanitary effluent is treated in septic tanks and soaks pits. Canteen waste is treated in Oil water separator and then used for greenery development
07	Permission for the drawl Of 6,120 m ³ /day from Asansol Durgapur Development Authority (ADDA) shall obtain.	Permission for 2090 m ³ /day water has been obtained from ADDA. (Letter no. ED/CA-79/04-05/1428, dt-19.07.05).
08	All the iron fines, coke fines, flue dust and mill scales shall be reused in the sinter plant. All the blast furnace slag shall be granulated and provided to cement manufacturers for further utilization. SMS / EAF slag shall be properly used inside the plant premises and shall not be disposed off	Iron ore fines, coke fines and flue dust are reused in Sinter Plant. Mill scale is not generated in the plant. All BF Slag is granulated and sold for Cement making. We have not installed SMS and EAF. Broken refractory mass is used as sub-base material

SL.NO.	SPECIFIC CONDITION	COMPLIANCE STATUS
	Anywhere else. All the other solid waste including broken refractory mass shall be properly disposed off in environments-friendly manner. Waste oil shall be sold to authorized recyclers / preprocessors.	for road making inside plant premises.
09	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	We are utilizing 100% Solid Waste generated from the plant. We do not have any dump yard.
10	As proposed, green belt shall be developed in 33 % area within and around the plant premises as per the CPCB guidelines in consultation with DFO.	We have earmarked 33% area for Greenbelt development.
11	All the recommendations made in the charter on corporate Responsibility for Environment Protection (CREP) for the Steel Plants Shall be implemented.	Neo Metaliks Ltd. as a whole taking necessary initiatives to adhere the CREP. We will install Pulverized Coal Injection (PCI) facility and Bell less charging system in Blast Furnace within 2018-19. (Annexure I)
12	The company shall provide housing for construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the projects.	Already complied during the construction stage of Sinter Plant.

Sl.No.	GENERAL CONDITION	COMPLIANCE STATUS
01	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board (WBPCB) and the State Government.	We have received the Consent to operate for MBF & Sinter Plant which is valid up to 30.04.2022.
02	The gaseous emission from various units shall conform to the load/mass based standards notified by this ministry on 19 th May 1993 and standards prescribed from time to time. The WBPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standard. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceed.	Complied and report attached. Online stack monitoring system installed in major stacks. Results are directly transmitted to CPCB. (Annexure - II) Pollution Control equipment are a part of the operating process of plant. In case of failure of PC Equipment then plant will stop.
03	In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials /coal handling etc. shall be provided. Further, specific measures like provision of dust suppression system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be installed at material transfer points and other raw material handling areas. Centralize de-dusting system i.e. collection of fugitive emissions through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack of appropriate design height conforming to the standards. Fugitive emissions shall be regularly monitored and records maintained.	Work environment monitoring is done as per direction of WBPCB. Plant de-dusting system comprising of FES and bag filters provided to control fugitive dust in BF and Sinter Plant. Fixed Water Sprinkler provided in Ground hopper, RM handling area, truck tippler. Mobile Water Spraying Tanker available. Centralized de-dusting system i.e. collection of fugitive emissions through suction hood and subsequent treatment through ESP and finally emitted through 15 m tall stack provided. We are submitting the results of fugitive emissions in work environment. (Annexure - III)
04	No further expansion or modification in the plant should be carried out without prior approval of the Ministry of Environment, Forests & Climate Change.	Noted.
05	At least, four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the WBPCB. Data on	We are doing periodic monitoring and records are submitted. We are doing periodic monitoring and records are submitted. (Annexure - IV)

SL.NO.	GENERAL CONDITION	COMPLIANCE STATUS
	Ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, WBPCB and CPCB once in six months.	
06	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Plant wastewater is recycled. No wastewater is discharged outside the plant premises. Sanitary effluent is treated in septic tanks and soaks pits. Canteen waste is treated in Oil water separator and then used for plantation.
07	The overall noises levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noises control measures including acoustic hoods, silencer, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Noise monitoring results attached. The ambient noise levels are below 75 dBA during day time and 70 dBA during night time. Noise levels in work environment are below 85 dBA. (Annexure- V)
08	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	All employees during induction are screened for their health by qualified doctors. Thereafter, periodic health examination is carried out as per the prevailing rules. The test conducted is Routine parameters and Specific Parameters. We have not observed any adverse report that is related to Occupational health.
09	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have augmented the existing Sumps where runoff from surrounding areas is collected. This water is utilized in the Plant.
10	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmers, drinking water supply and health care etc.	Complied, CSR activities undertaken by the company during 2018-19 till date along with amount spend in each activity is attached as (Annexure – VI) .

SL.NO.	GENERAL CONDITION	COMPLIANCE STATUS
11	As proposed, Rs. 25.00 Crores and Rs. 6.00 Crores shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the state Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry's Regional Office at Bhubaneswar. The funds so provided should not be diverted for any other purpose.	The project cost of Sinter Plant is Rs70 Crores. Rs. 13.39 Crores has been used as CAPEX for pollution control measures. The OPEX is Rs. 3.18 Crores. (Annexure – VII)
12	The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored date along with statistical interpretation shall be submitted to them regularly.	Six-monthly EC condition compliance report is submitted to MOEF/ CPCB / WBPCB on regular basis.
13	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the WBPCB and may also be seen at Website of the Ministry of environment and Forests at http://envfor.nic.in . This shall be advertised within 7 days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the Same shall be forwarded to the Regional office.	Complied in 2008.
14	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land Development work.	Complied. WE obtained CTE for Sinter Plant on 4-4-2010 and Current CTO attached. (Annexure – VIII)

ANNEXURE-I

Status of Charter on Corporate Responsibility for Environment Protection (CREP)			
Sl.No		Action Points For Integrated Iron & Steel Industry.	Status at NML/ Action Plan.
1		Coke oven plant	
	a.	To meet the parameters PLD (% leaking doors). PLL (% leaking lids).	Not applicable because we do not have the Coke Oven Plant.
	b.	To rebuild at least 40% of the coke oven batteries in next 10 years (December 2012)	Not applicable because we do not have the Coke Oven Plant.
2		Steel Melting shop	Not applicable because we do not have the Steel Melting Shop
		Fugitive emission to reduce 30% within March 2004 and 100% in March 2008 (Including installation of secondary De-dusting facilities).	Not applicable because we do not have the Steel Melting Shop.
3		Blast furnace	
		Direct injection of reducing agent by June 2013 (C.D.I)	We are now planning to retrofit PCI during the next maintenance Schedule proposed in Oct- Dec'18.
4		Solid waste / Hazardous waste	
		Utilization of steel Melting shop (SMS)/ Blast Furnace(BF) slag by: By 2004-70% By 2006-80% By 2008-100%	100% BF Slag is Sold for Cement making. 100% Dust Collected from Air Pollution Control Devices and Sludge from Gas Cleaning Plant is reused in the Sinter Plant.
5		Hazardous Waste Management	
		Charge of tar sludge &ETP sludge to Coke ovens by June' 03.	We are not generating any tar sludge or ETP sludge.
		Inventorization of hazardous waste as per Hazardous Waste (Management & Handling) Rules, 1989 as amended in and implementation of the Rules by Dec'03 (Tar sludge, acid sludge, and waste Lubricating oil and type flue falls in the category of hazardous waste.	Tar Sludge and Acid Sludge are not generated in BF. Waste lubricating Oil is Sold to authorized re-processor.
6		Water Conservation /Water Pollution	
	a.	To reduce specific water consumption of 5 m ³ /t for long products by December 2005.	We are not making any long products / No Rolling Mill Exists in the Plant.

Sl.No		Action Points For Integrated Iron & Steel Industry.	Status at NML/ Action Plan.
	b.	To operate the CO & BPP effluent treatment plant efficiently to achieve the notified effluent discharge standards - by July 2005.	No Coke Oven and By-Products plant existing in the Plant.
7		Installation of continuous stack monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations by June 2005.	Installed in Major Stacks.
8		To operate the existing pollution control equipment efficiently and to keep proper record run hours, failure time and efficiency with immediate effect. Compliance report in this regard is submitted to CPCB/SPCB every three month.	Pollution Control Equipments are operated efficiently and record maintained. Compliance report in this regard is submitted to SPCB as Stipulated in CTO.
9		To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MOEF by December 2003.	Not Applicable as because no such recommendation of LCA Study is available in MOEF & CPCB Website.
10		The industry will initiate the steps to	
	a.	Energy recovery to top blast furnace gas	Blast furnace gas is being utilized as a fuel in C.P.P, Stove, Sinter Plant, and Ladle pre-heating.
	b.	Use of tar free runner linings.	We are using Tar Free runner linings.
	c.	Cast house de-dusting (tap holes, runners, skimmer, ladle and charging points).	We have installed fume extraction System in Cast House.
	d.	Suppression of fugitive emissions using nitrogen gas or any other inert gas.	There is no fugitive emission of Hydro Carbon or Volatile Organic Compounds from the BF and Sinter Plant that requires suppression by using nitrogen gas or any other inert gas.
	e.	To study the possibility of slag fly ash transportation back to the abandoned mines to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.	We are Selling 100% Slag in Cement Making. We are not generating any Fly Ash.
	f.	Processing of the waste containing flux & ferrous wastes through waste recycle plant.	We are reusing entire dust waste in sinter plant

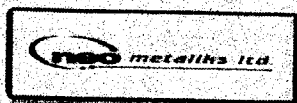
Sl.No		Action Points For Integrated Iron & Steel Industry.		Status at NML/ Action Plan.
	g.	To implement rain water harvesting.		We are making the harvesting and sumps to collect the rain water and plant discharged water and it is being used for our auxiliary consumption.
	h.	Reduction of green houses gases by:		
		I.	Reduction in power consumption	We have reduced the Power Consumption (Compliance report of the last Energy Audit).
		II.	Use of byproducts gases for power generation	The hot gas generated from blast furnace is being utilized in the power generation in CPP which generates 4.5 MW power.
		III.	Promotion of energy optimization technology, including energy audit.	Complied (Last energy audit report attached) Annexure-A
		IV	As regard to the conservation of energy and fuel, we are using the heat exchanger to recover the waste heat energy of flue gases.	We have installed recuperator and functioning it from April-2018.
	i.	To progressively set targets for resource conservation such as raw material, energy and water consumption to match international standards.		We are Converting the dust to Sinter and using the Sinter in BF. This is reducing the use of Iron Ore in BF and helping in resource Conservation. Our Water Consumption is 500M3 per day. To make about 500 Tons of material (Approx. 1 m3 water consumption per ton of metal produced).We are making efforts to further reduce the specific water consumption.
	j.	Up gradation in the monitoring analysis facilities for air and water pollution. Also to impart laboratory training to the manpower so that realistic data is obtained in the environmental monitoring laboratories.		Our Lab Staff is trained for analyzing the basic parameters in water and waste water. Online Monitoring facility has been provided in all major stacks. The Staff has been trained to analyze the trends and report non compliances.
	k.	To improve housekeeping.		To improve the house keeping within the plant area, we have dedicated team of 5S. On regular basis cleaning of the spillage especially in RMHS and Ground hopper area is carried out by using machines. The materials are collected and sent for re-use in the Sinter process plant. This is being monitored regularly and the concerned department has been made responsible to report.

ANNEXURE- A, ENERGY AUDIT REPORT ATTACHED

Detailed Energy Audit 2017-18

DETAILED ENERGY AUDIT IN, 2017-18

GOPALPUR PLANT, NEO METALIKS LTD.
MOUZA: GOPALPUR, P.O GOPALPUR, P.S KANKSA
DURGAPUR-713213, West Bengal



Conducted By:

DFIC Management Consultants Pvt. Ltd.

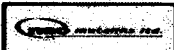
6, N.S. Road, Annex Building, 2nd Floor
Bengal Chamber of Commerce & Industry

Kolkata- 700 001

Tel: +91 33 2262 5371

Email: india@dfic.de

Detailed Energy Audit, At Neo Metaliks Ltd.



Chapter	DESCRIPTION	Page no
1.0	Acknowledgement	5-6
2.0	Notes	6-7
3.0	Summary of Recommendation & Energy Saving Potential	8-10
4.0	Introduction	11
5.0	Profile of Neo Metaliks Ltd. (NML)	11-12
6.0	Energy Audit Team	12
7.0	Methodology & Approach	13
8.0	Study of Electricity Bill	14-15
9.0	Motor Survey and Measurement	15-26
10.0	Evaluation of Transformer Loss and Efficiency	27-28
11.0	Techno-Economic Study Capacitor	29-30
12.0	Performance Evaluation of Air Compressor	31-34
13.0	Performance Evaluation of Blower and Consumption Air fan (MBF)	35-36
14.0	Performance Evaluation of HT Blower	37-41
15.0	Techno- Economic Study of Installation of VFD with Oversized ID Fan	41-42
16.0	Tail ESP Fan	42-43
17.0	Performance Evaluation of Plant Pumps	44-46
18.0	Mini Blast Furnace (MBF)	46-49
19.0	Finding of MBF Transformer	49
20.0	Performance Analysis LT Capacitor	50-52
21.0	Sinter Plant	53-55
22.0	Captive Power Plant (CPP)	56-63
23.0	Performance of APH and Economizer	64-67
24.0	ID Fan Operation	67-70
25.0	Performance of Condenser	71-73
26.0	Suggestion on AC's	74
27.0	Lighting System of the Plant	74-77
28.0	Study of performance of DG Set	77-79
29.0	Energy Saving Proposal	80-94
30.0	List of Vendors	95



Detailed Energy Audit, At Neo Metaliks Ltd.



Table No.	DESCRIPTION	Page No
T- 9.1	Motor Survey	17-22
T- 9.2	Energy Saving by Installation of Cyclic load energy saver	25-26
T- 11.0	Techno Economic study of installation of capacitors	29-30
T- 12.1	Analysis of Air Compressor	32-34
T- 13.1	Evaluation of CA fan -2 Performance	36
T- 14.0	Performance Evaluation of HT Blower	37
T- 14.1	Performance Evaluation of cooler fan -1	38
T-14.2	Performance Evaluation of cooler fan-2	39
T-14.3	Performance Evaluation of cooler fan-3	40
T-15.0	Techno- Economic Study of Installation of VFD with Oversized ID Fan	41-42
T-16.1	Techno- Economic Study for Operating ID fan with VFD	43
T-17.1	Performance Assessment of Pumps	45
T- 20.0	Performance Analysis LT Capacitor	50-11
T- 22.0	Evaluation Efficiency of 23 TPH Boiler	56
T-22.1	Present Water Quality Report	59
T-23.0	Performance of APH and Economizer	64-65
T- 24.1	Heat Loss Due to Damage Insulation	68
T-25.0	Performance of Condenser	71
T-27.0	Measuring Illumination Inside and Outside Sinter Plant	74
T-27.1	Techno- Economic Study for Replacement of Existing Lamps by LED	76-77



Detailed Energy Audit, At Neo Metaliks Ltd.



Proposal no.	Proposal	Annual Energy saving	Annual energy cost saving	Investment required	Payback period
		Lakh KWH	RS. Lakh	RS. Lakh	Months
1.	Energy saving proposal with installation of cyclic load energy saver Replacement of Exciting started of variable load type by cyclic load energy saver to operate the motor in star mode when the load is below 60% and switching over to delta when load is more(SI no -2 in the proposal list)	4.39	18.43	11.46	8
2.	On VFD with Air Compressors To installed LT AC VFD with 5% reactor with excising screw compressors to stop totally wastage of no load power consumption(SI no -3 in the proposal list)	3.07	12.92	(9.5)	9



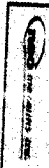
Detailed Energy Audit, At Neo Metaliks Ltd.



3.	On Cooling Tower fan replacement To replace the cooling tower aluminum casting metal fan blade by new generation hollow FRP Aero Dynamic profile corrosion free fan blade (SI no -4(A) in the proposal list)	1.64	6.91	3.1	6
4.	On Distribution energy loss with installation of capacitor at low power factor, motor terminals. To installed capacitors at the motor terminals to improved motor's operating Power factor there by reducing the line loss. (SI no - 4 in the proposal list)	1.46	4.81	1.38	4
5.	On Reduction of contract demand with DVC. Study of electric bill shows contract demand can be reduced from present value of 1400 KVA to 1200KVA (SI No -9 in proposal list)	-	9.21	-	IMMEDIATE
6.	Providing VFD with TAIL ESP ID fan.	4.46	18.76	13	9 months
7.	On VFD with Pumps Installation of LVSE (VFD) with 5% reactor with pumps which are running with Discharge valve in throttled condition (SI no 1 in the proposal list)	9.08	38.17	47.1	16
8.	On VFD With 2 no's CA fan. To installed VFD with 5% Reactor with the CA fan. (SI no -5 in the proposal list)	1.5	6.3	14	28
9.	Injection of Pulverized coal with coke in the MBF. To inject Pulverized coal with the coke in the blast furnace to reduced the consumption of high price coke. This study has been done with a standard plant result having hot metal production per Hr-53.5 Ton. Existing plant study could not be done in absence of production figure (SI no -6 in the proposal list)	-	258	425	20



Detailed Energy Audit, At Neo Metaliks Ltd.



10	VFD with Boiler feed PUMP		1.66	6.97	12	21
11.	On Lighting system. To replace existing old high consuming lamps with LED lamps. (SI no-8 in the proposal list)		2.97	6.77	24	42 months
12.	 Thermal TOE					
	a) To control flue gas temperature at around design value of 160 0c in CPP	161	-	-	-	IMMEDIATE
	b) Steam leakage (DM Water loss 7 TON /Day) Associated heat loss	16	-	0.84	-	-
	c) On insulation of damage surfaces of Boiler and steam pipes	2369	-	-	3.55	-
	d) On improvement of vacuum	44	-	-	-	-





ANNEXURE- II

metaliks ltd.

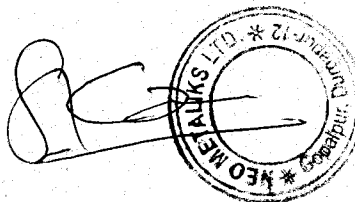
Park Plaza, 71, Park Street, 6F (North Block), Kolkata - 700 016

Tel : +91 33 4050 4050, Fax : +91 33 2217 7317, E-mail : info@neometaliks.com

Website : www.neometaliks.com CIN : U27109WB2003PLC097231

STACK READING OF 01st NOV 2018

01.11.2018	SINTER STACK # 1		MBF STACK # 2		CPP STACK # 3	
	SPM(Mg/Nm3)	Remarks	SPM(Mg/Nm3)	Remarks	SPM(Mg/Nm3)	Remarks
6.30 A.M	49	Plant running	31	Plant running	0	Plant running
8.30 A.M	50	Plant running	31	Plant running	0	Plant running
10.30 A.M	9	Plant running	31	Plant running	0	Plant running
12.30 P.M	50	Plant running	31	Plant running	0	Plant running
2.30 P.M	4	Plant running	31	Plant running	1	Plant running
4.30 P.M	Not taken	Plant running	31	Plant running	2	Plant running
6.30 P.M	32	Plant running	31	Plant running	2	Plant running
8.30 P.M	Not taken	Plant running	31	Plant running	3	Plant running
10.30 P.M	50	Plant running	31	Plant running	4	Plant running
12.30 A.M	9	Plant running	31	Plant running	4	Plant running
2.30 A.M	50	Plant running	31	Plant running	4	Plant running
4.30 A.M	45	Plant running	31	Plant running	17	Plant running





Qualissure Laboratory Services

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/A/18-19/C/382
M/s. Neo Metaliks Ltd.	Date : 06.10.2018
Vill + P.O. : Gopalpur	Sample No. : QLS/A/18-19/382
P.S. : Kanksa,Durgapur	Sample Description : Work Zone Monitoring
Paschim Bardhaman	Sample Mark : Near Transfer Station Screen
West Bengal - 713212	Ref No. Date : 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result

Location : Near Transfer Station Screen		Date of sampling : 24.09.2018	
Sampling Done by: J.Sahana/C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	689	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	450	IS 5182: Part 23, (RA-2017)
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	8.4	IS: 5182 (Part-2), (RA-2017)
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	31.1	IS: 5182 (Part- 6), (RA-2017)
NOTE: ----			

Report prepared By :

[Signature]



Qualissure Laboratory Services

(Benimadhab Gorai)

Authorized Signatory



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/A/18-19/C/381
M/s. Neo Metaliks Ltd.	Date : 06.10.2018
Vill + P.O. : Gopalpur	Sample No. : QLS/A/18-19/381
P.S. : Kanksa, Durgapur	Sample Description : Work Zone Monitoring
Paschim Bardhaman	Sample Mark : Near Tail ESP
West Bengal - 713212	Ref No. Date : 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result

Location : Near Tail ESP		Date of sampling : 25.09.2018	
Sampling Done by: J.Sahana/C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	748	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	386	IS 5182: Part 23, (RA-2017)
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	9.7	IS: 5182 (Part-2), (RA-2017)
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	32.2	IS: 5182 (Part- 6), (RA-2017)
NOTE: ----			

Report prepared By :

for Qualissure Laboratory Services



(Benimadhab Gorai)
Authorized Signatory



Qualissure Laboratory Services

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



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/A/18-19/C/380
M/s. Neo Metaliks Ltd.	Date : 06.10.2018
Vill + P.O. : Gopalpur	Sample No. : QLS/A/18-19/380
P.S. : Kanksa,Durgapur	Sample Description : Work Zone Monitoring
Paschim Bardhaman	Sample Mark : Near Head ESP
West Bengal - 713212	Ref No. Date : 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result

Location : Near Head ESP		Date of sampling : 24.09.2018	
Sampling Done by: J.Sahana/C.Sahoo		Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy & Rainy			
Sl. No.	Pollutants	Result	Method of Test Reference
1	Total Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	1216	IS 5182 : Part.4-1999,(RA-2014)
2	Respirable Suspended Particulate Matter in $\mu\text{g}/\text{m}^3$	523	IS 5182: Part 23, (RA-2017)
3	Sulphur dioxide (SO ₂) in $\mu\text{g}/\text{m}^3$	9.2	IS: 5182 (Part-2), (RA-2017)
4	Nitrogen dioxide (NO ₂) in $\mu\text{g}/\text{m}^3$	32.7	IS: 5182 (Part- 6), (RA-2017)
NOTE: ----			

Report prepared By : *grij*

for Qualissure Laboratory Services

(Benimadhab Gorai)
 Authorized Signatory



Qualissure Laboratory Services

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/A/18-19/C/379
M/s. Neo Metaliks Ltd.	Date : 06.10.2018
Vill + P.O. : Gopalpur	Sample No. : QLS/A/18-19/379
P.S. : Kanksa,Durgapur	Sample Description : Ambient Air
Paschim Bardhaman	Sample Mark : Near Administrative Building
West Bengal - 713212	Ref No. Date : 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result

Location: Near Administrative Building.			Date of sampling : 24.09.2018	
Sampling Done by: J.Sahana/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	73	100	IS: 5182 (Part-23), (RA-2017)
2	Particulate matter PM _{2.5}) in µg/m ³	40	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m ³	9.3	80	IS: 5182 (Part-2),(RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m ³	37.0	80	IS: 5182 (Part- 6), (RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality				

Report prepared By : *[Signature]*

for Qualissure Laboratory Services



(Benimadhab Gorai)
Authorised Signatory



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

TEST REPORT

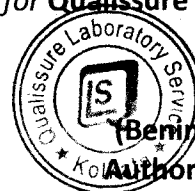
Name & Address Of the Customer :	Report No. : QLS/A/18-19/C/378
M/s. Neo Metaliks Ltd.	Date : 06.10.2018
Vill + P.O. : Gopalpur	Sample No. : QLS/A/18-19/378
P.S. : Kanksa,Durgapur	Sample Description : Ambient Air
Paschim Bardhaman	Sample Mark : Near Main Gate
West Bengal - 713212	Ref No. Date : 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result

Location: Near Main Gate			Date of sampling : 25.09.2018	
Sampling Done by: J.Sahana/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	94	100	IS: 5182 (Part-23), (RA-2017)
2	Particulate matter PM _{2.5}) in µg/m ³	55	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m3	10.1	80	IS: 5182 (Part-2),(RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m3	35.5	80	IS: 5182 (Part- 6), (RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality				

Report prepared By :

for Qualissure Laboratory Services



(Bennadhab Gorai)
Authorised Signatory



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

TEST REPORT

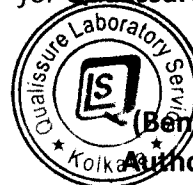
Name & Address Of the Customer :	Report No. : QLS/A/18-19/C/377
M/s. Neo Metaliks Ltd.	Date : 06.10.2018
Vill + P.O. : Gopalpur	Sample No. : QLS/A/18-19/377
P.S. : Kanksa,Durgapur	Sample Description : Ambient Air
Paschim Bardhaman	Sample Mark : Near CPP Cooling Tower
West Bengal - 713212	Ref No. Date : 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result

Location: Near CPP Cooling Tower			Date of sampling : 25.09.2018	
Sampling Done by: J.Sahana/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Cloudy				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	69	100	IS: 5182 (Part-23), (RA-2017)
2	Particulate matter PM _{2.5}) in µg/m ³	38	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m3	8.8	80	IS: 5182 (Part-2),(RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m3	38.1	80	IS: 5182 (Part- 6), (RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality				

Report prepared By : *Smj*

for Qualissure Laboratory Services



(Benimadhab Gorai)
Authorised Signatory



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

TEST REPORT

Name & Address Of the Customer :	Report No. : QLS/A/18-19/C/376
M/s. Neo Metaliks Ltd.	Date : 06.10.2018
Vill + P.O. : Gopalpur	Sample No. : QLS/A/18-19/376
P.S. : Kanksa,Durgapur	Sample Description : Ambient Air
Paschim Bardhaman	Sample Mark : Near Boundary Wall (North East Side)
West Bengal - 713212	Ref No. Date : 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result

Location: Near Boundary Wall (North East Side)			Date of sampling : 24.09.2018	
Sampling Done by: J.Sahana/C.Sahoo			Sampling done as per : CPCB Guidelines (Volume-1)	
Environmental Condition : Sunny				
Sl. No.	Pollutants	Result	Limit as per CPCB	Method of Test Reference
1	Particulate matter (PM ₁₀) in µg/m ³	75	100	IS: 5182 (Part-23), (RA-2017)
2	Particulate matter PM _{2.5}) in µg/m ³	40	60	USEPA CFR-40,Part-50, Appendix-L
3	Sulphur dioxide (SO ₂) in µg/m3	9.6	80	IS: 5182 (Part-2),(RA-2017)
4	Nitrogen dioxide (NO ₂) in µg/m3	36.0	80	IS: 5182 (Part- 6), (RA-2017)
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality				

Report prepared By : *[Signature]*

for Qualissure Laboratory Services



(Bepimadhab Gorai)
Authorised Signatory



Qualissure Laboratory Services

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



TC-6271

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

TEST REPORT

Name & Address Of the Customer :	Report No.	: QLS/A/18-19/C/383
M/s. Neo Metaliks Ltd.	Date	: 06.10.2018
Vill + P.O. : Gopalpur	Sample No.	: QLS/A/18-19/383(A-C)
P.S. : Kanksa,Durgapur	Sample Description	: Noise Monitoring
Paschim Bardhaman	Ref No. Date	: 18-19/00171/WBFREV, Dated-20.09.2018

Analysis Result of Noise

Sampling Done By: J.Sahana/S.Ghosh						
Sampling Guideline : As per IS: 9876: 1981 (RA-2001)						
Report 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	24.09.2018 to 25.09.2018	Near Main Gate	68.0	75	57.9	70
B		Near Administrative Building	63.6	75	55.8	70
C		Near Boundary Wall (North East Side)	67.1	75	59.2	70

Report Prepared By :

[Signature]

for Qualissure Laboratory Services



(Benimadhab Gorai)
Authorised Signatory



neo metaliks ltd.

Park Plaza, 71, Park Street, 6F (North Block), Kolkata - 700 016

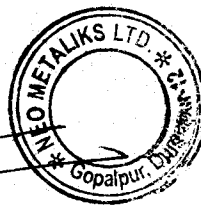
Tel : +91 33 4050 4050, Fax : +91 33 2217 7317, E-mail : info@neometaliks.com

Website : www.neometaliks.com CIN : U27109WB2003PLC097231

ANNEXURE – VI

CSR ACTIVITIES DETAILS FOR 2018-19

SL. NO.	ACTIVITY	AMOUNT (IN RS)	STATUS
1	GARMENTS, SAREE AND UMBRELLA DISTRIBUTION EXPENSES	55,845.00	COMPLETED
2	DRINKING WATER COOLER & PURIFIER AT CITY CENTER BUS TERMINAL.	1,20,000.00	COMPLETED
3	DRINKING WATER COOLER & PURIFIER AT DURGAPUR SBSTC BUS STAND NEAR STATION.	2,00,000.00	COMPLETED
4	EYE CAMP AND HANDICAP CAMP IN FEB'19		UPCOMING (Rs. 3.50 LACS)
5	DRINKING WATER PROJECT AT MUCHIPARA BUS STAND		UPCOMING (Rs. 2 LACS)



ANNEXURE- VII

neometaliks 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

DETAILS OF CAPITAL EXP. FOR ENVIRONMENTAL PROTECTION EQUIPMENTS

SL.No.	Name of the Equipments	Amount (Rs. In Crores)
	MBF	
01	GAS CLEANING PLANT	3.80
02	VENTURY	
03	SATURATOR	
04	FUME EXTRACTION SYSTEMS	0.70
05	ALL MBF STACK (II , IV & V)	0.55
06	ONLINE STACK MONITERING SYSTEM	0.03
	CPP	
01	CPP STACK (III)	0.28
	SINTER	
01	TAIL ESP	3.50
02	HEAD ESP	3.75
03	BAG FILTER	0.40
04	ALL STACK (I)	0.35
05	ONLINE STACK MONITERING SYSTEM	0.03
	TOTAL	13.39



ANNEXURE- VIII

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number : CO100888

Memo Number : 907-F/WPBD-Gnt(2809)/16.

Date : 20.04.2017

Consent to Operate

under

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

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

Neo Metaliks Ltd.

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

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

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

(Detailed address of the manufacturing unit)

for a period from 01/05/2017 to 30/04/2022

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

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

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

- * The unit should comply with all the directions of the Board issued time to time.
- ** This consent may be revoked subject to any valid pollution complaint for violation of environmental norms.

[Signature]

Seal

For and on behalf of the State Board
Environmental Engineer

Durgapur Regional Office

(Member Secretary/Chief Executive Officer, West Bengal Pollution Control Board, West. Env. Engr.)

ANNEXURE

Consent to Neo Metalike Ltd.
 for its unit at Vitil & P.O - Gopalpur, P.S - Komksa, Durgapur,
Paschim Bardhaman - 713212

Conditions :

1. This Consent is valid for the manufacture of :—

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Pig Iron	15666 MT
02	Sintered Iron	25000 MT
03	Captive Power	4.5 MW
04	Granulated slag	10000 MT
05		
06		
07		
08		
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed Nil (Re-cycled) KL.
04. Daily discharge of domestic liquid effluent shall not exceed 5 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed / KL.
06. The Applicant shall discharge liquid effluent to septic tank to soak pit (place of discharge) through Outside drain nos. outlets/outfalls.
07. To being into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

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

Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

Continued.....

Neo Metaliks xtd.

for its unit at

for its unit at VIPRA P.O. - Gopalpur, P.S. - Komksa, Durgapur,
Paschim Bardhaman - 713212

[illegible]

09. The *Applicant* falls in the *Green* Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.
10. Daily water consumption for the following purposes should not exceed :-
- Industrial cooling, spraying in mine pits and boiler feed water → *380* KL
(Water used for gardening should be included in this category of use)
 - Domestic purpose → *10* KL
 - Processing whereby water gets polluted and the pollutants are easily biodegradable → *110* KL
 - Processing whereby water gets polluted and the pollutants are not easily biodegradable → */* KL

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

✓

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

Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

Consent to

Neo Metaliks Ltd.

for its unit at

Vijay P. O - Gopalpur, P.S - Kamksa, Durgapur,
Paschim Bardhaman - 713212

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

Table - II

Stack No.	Stack height from G.I., (in mts.)	Stack attached to (sources and control system, if any) :	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					PM (mg/Nm ³)	CO (% v/v)			
S-1	40	Sinter Plant of capacity 25000 MT/week			150	1			1/2 year
S-2	50	MBF of capacity 215 m ³			150	1			- DO -
S-3	50	CPP boiler of capacity 4.5 MW			150	1			- DO -
S-4	15	1X1500 KVA D.G. Set			150	1			yearly
S-5	15	1X1250 KVA D.G. Set			150	1			yearly
S-6									
S-7									
S-8									
S-9									
S-10									

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

Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

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

11. The Applicant shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.

15. The Applicant shall observe the following fuel consumption pattern :-

Sl. No.	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	BF Gas	36000 Nm ³ /hr.	Boiler & Sinter
02	Coke	10200 MT/month	MBF
03			
04			
05			

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

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

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

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

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

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

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

Consent to Neo Metalike Ltd.
for its unit at Vijaya P.O. Gopalpur, P.S. - Kamkha, Durgapur,
Paschim Bardhaman - 713 212

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

Additional Conditions

All the terms & conditions remain unchanged
as stipulated in previous Consent to operate
issued by the Board.

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