



K I C METALIKS LIMITED

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Ref. No. KIC/POLLU/Half-yr.-ret/2022-23/163

To

The IGF & Incharge

GOI, MOEF & CC

Integrated Regional Office, Kolkata

1B-198, Salt Lake City, Sector - III

Kolkata - 700 106

Date 03.12.2022

Sub.: EIA Notification 2006 under the E (P) Act, 1986, in respect of submission of half-yearly Compliance Report.

File No.: Ministry's Environmental clearance No. J-11011/556/2009 - IA.II (I) Dated 11.09.2019

Dear Sir,


With reference to the above subject, as per EIA Notification 2006 under the E (P) Act, 1986, submission of the half-yearly EC Compliance report (**period from April' 2022 to Sept.' 2022**) on behalf of implementation of the stipulated conditions and environmental safe guard report, are being enclosed herewith for your kind perusal.

We would be obliged for your kind co-operation in this regard.

Regards,

Yours sincerely,

For KIC METALIKS LTD.


Sukhamay Kundu
Sr. General Manager
Mob.No. 9874943327

Copy to: The Environmental Engineer

Durgapur Regional office, West Bengal Pollution Control Board
City Centre, Durgapur - 16

RECEIVED
CONTENTS NOT VERIFIED
Date 07.12.22
MEE&CC, PRO, KOLKATA

CIN : L01409WB 1986PLC041169

Factory : Raturia, Angadpur, Durgapur - 713 215, Phone : 98749 43345

E-mail : info@kicmetaliks.com Website : www.kicmetaliks.com

Name of the Project : KIC METALIKS LIMITED

Clearance File No. with date :
F.No.J-11011/556/2009-IA -II (I) DATED 11.09.2019

Project No : IA/WB/IND/60981/2016 dated 9th
December,2016

Period of Compliance Report : APRIL 2022 - SEPTEMBER 2022

A. SPECIFIC CONDITIONS:

	Condition	Compliance Status
i	Project Proponent shall ensure that water consumption per ton of steel shall not exceed 4m ³ per ton of Pig Iron production.	We ensure that our water consumption per ton of pig iron production is well within the specified permission limit given for iron & steel industries / Pig iron industries.
ii	Project proponent shall ensure 100% utilization of solid waste generated by the plant and also ensure that no dumping of solid waste ensure.	We are utilizing 100% solid waste being generated during our production as a raw materials for other units . We ensure that no dumping of solid waste at our unit.
iii	Project proponent shall provided the top Recovery Turbine over the blast furnace	Our blast furnace capacity is less than 350 M3 hence , Top Recover Turbine (TRT) not provided by us. Our Blast Furnace Capacity is 245 M3 therefore ,Top Recovery Turbine (TRT) is not technically recommended , the reasons are :- (i) The Blast Furnace gas quantity is very less for the reason that the Blast Furnace size is small; (ii) The top pressure of BFG after Blast Furnace Bell-Less Top equipment is very low and, (iii) The power generated by this level of TRT is very less.
iv	Rain water harvesting to recharge quantity of water equivalent to the consumption in the plant, or more shall be carried out in the project premises ,in case, rain water recharge is not possible within the project premises ,the project proponent shall carry out the recharging outside the project premises.	Two Nos. water ponds have been made available to store rain water. Our pond is sufficient enough to collect the rainwater from the entire catchment of the plant area. Although ground water table recharging is not allowed by WBPCB. Rain water harvesting system is being used in the plantation & dust suppression through an installed system. Also under CSR activity rainwater harvesting activity has been planned for nearby communities.
B. GENERAL CONDITION :-		
I	Statutory Compliance	Compliance Status
i	The Project proponent shall obtain Consent to establish /Operate under the provisions of Air(Prevention & Control of pollution) Act 1981 and the water (Prevention & Control of pollution) Act, 1974 from the concerned State Pollution Control Board /Committee.	We have obtained 1.Consent to establish & Operate under the provisions of Air (Prevention & Control of pollution) Act 1981 and the water (Prevention & Control of pollution) Act 1974 from the State Pollution Control Board. Copy enclosed herewith for your perusal (Annexure-1)

	Statutory Compliance	Compliance Status
ii	The Project proponent shall obtain the necessary permission from the Central Ground Water Authority , in case of drawl of ground water and from the competent authority in case of use of surface water required for the project.	We do not withdrawal ground water for the project and neither used in process.
iii	The Project proponent shall also obtain authorization under the Hazardous and other waste Management Rules,2016 as amended from time to time.	We have already obtained the Authorization letter/permission under the Hazardous and Other Waste Management Rules,2006 . Copy of the same attach herewith for your perusal (Annexure- 2)
II Air quality monitoring and preservation		
i	The Project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standard prescribed in Environment(Protection) Rules 1986 issued vide G.S.R.277 (E) Dated 31 st March 2012 (Integrated iron & Steel); G.S.R.414(E) DATED 30 th May 2008 (Sponge Iron) as amended from time to time ; S.O. 3305 (E) Dated 7 th December 2015 (Thermal Power Plants)as amended from time to time and connected to SPCB and CPCB online servers, and calibrate the plant monitoring system from time to time according to equipment supplier specification using services of Lab recognized under Environment(Protection) Act,1986,or NABL accredited laboratories.	24x7 continuous emission monitoring system at process stacks has been installed to monitor stack emission with respect to standard prescribed in Environment (Protection) Rules 1986 which is published vide G.S.R.277 (E) Dated 31 st March 2012 (Integrated iron & Steel) and also connected to SPCB and CPCB online servers, and calibrate the plant monitoring system from time to time according to equipment supplier specification. We are taking services from Lab recognized under Environment (Protection) Act,1986 or NABL accredited laboratories. (Annexure - 3)
ii	The Project proponent shall monitor fugitive emission in the plant premises at least once in every quarter using services of Lab recognized under Environment (Protection) Act,1986	(a) Gaseous emission through stacks is within CPCB specified latest permissible limit. We monitor the environmental condition including ambient air, work zone and stack by NABL accredited laboratory. (b) As mentioned above, Plant deducting systems consisting of bag filters/ESP are provided to control the fugitive emission in Sinter Plant and MBF cast house. Fixed Water Sprinkler provided in Ground hopper, Raw Material handling area, truck tippler. Mobile Water Sprinkling Two Nos. Tanker deployed on a daily basis to spray water on roads inside and outside the plant and also in raw materials stock yards.

Statutory Compliance	Compliance Status
<p>iii The Project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common / criteria parameters relevant to the main pollutants released (e.g.PM10 and PM 2.5 in reference to PM Emission ,SO2 and NOx in reference to SO2 and NOx emission) within and outside the plant area at least at four locations (one within and three outside the plant area at the angel of 120" each), covering upwind and downwind direction.</p>	<p>(a) We are testing Ambient Air Quality twice in a year through recognized Lab approved under Environment (Protection) Act 1986or NABL accredited laboratories. For common / criteria parameters relevant to the main pollutants released (e.g.PM10 and PM 2.5 in reference to PM Emission ,SO2 and NOx in reference to SO2 and NOx emission) within the plant area at four locations . We are not testing ambient conditions outside of our plant since many more industries are around. (Refer Annexure-4) (b) Installation of CAAQMS shall be taken during our up-coming project expansion.</p>
<p>iv The cameras shall be install at suitable location for 24x7 recording of battery emissions on both side of coke oven batteries and video recording shall be preserved for at least one-month after recording data.</p>	<p>We have not install the Coke Oven Plant ,hence , do not have the requirement of assaries installation as of now .</p>
<p>v Sampling facility at process stacks and at quenching towards shall be provided by the project proponent as per CPCB guidelines for manual monitoring of emissions.</p>	<p>We have not install the Coke Oven Plant ,So do not have required the same.</p>
<p>vi The Project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF & CC ,Zonal office of CPCB and Regional office of SPCB along with six-monthly monitoring report.</p>	<p>We have maintaining the same as per norms.</p>
<p>vii Appropriate Air Pollution Control System(APC) system shall be provided for all the dust generating points including fugitive dust form all vulnerable source , so as to comply with the prescribed stack emission and fugitive emission standards.</p>	<p>We have already installed Air Pollution Control System(APC) for all our dust generating units including for the fugitive dust from all vulnerable source and also to comply with the prescribed stack emission and fugitive emission standards. Kindly refer our Stack analysis reports in Annexure -4 .</p>
<p>viii The project proponent shall provided leakage detection and mechanized bag cleaning facility for efficient maintenance of bags.</p>	<p>Monthly monitoring leakage detection and mechanized bag cleaning facility for efficient maintenance of bags, we carry .</p>
<p>ix Secondary emission control system shall be provided by the project proponent at SMS Converters.</p>	<p>SMS Plant is not the part our present industrial units. We will maintain the same after installation.</p>

	Statutory Compliance	Compliance Status
x	Pollution Control System in the steel plant shall be provided by the project proponent as per the CREP Guidelines of CPCB.	We have implementation maximum in the Charter on Corporate Responsibility for Environment Protection (CREP) as per the guidelines of CPCB Annexure - 5
XI	Sufficient numbers of mobile or stationery vacuum cleaners shall be provided by the project proponent to clean roads, shop floor and roofs etc., regularly	(a)Regular monitoring of fugitive emission level is controlled (secondary dust emission) by workzone. (b) As a control measure, water sprinkling is being done regularly on all internal roads and the raw material stocks yard areas cover by tarpaulin. (c)Plantation programs are intensified to cover the overall roads gradually increasing.
xii	The project Proponent shall 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.	Our plant process automatically recycled and reuse all type generation of fines through conveyor belt such as iron ore fines, coke fines, under size Sinter fines etc.
xiii	The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials, and also cover them tarpaulin to check release of coal and other raw material dust into atmosphere.	Our plant all incoming and outgoing trucks/ dumpers carrying raw materials and other materials covered them tarpaulin to check our main gate security office and also inform without tarpaulin cover any Track/Dumper NO ENTRY inside the factory premises.
xiv	Wind shelter fence and chemical spraying shall be provided on the raw materials stock piles by the project proponent to check release of raw materials dust into atmosphere.	We already built Coal shed in PCI Unit for raw materials stock and we will install Wind Shelter Fence as per your direction during the project expansion.
xv	The project proponent shall install Dry Gas Cleaning Plant with bag filter(s) for Blast Furnace and SMS converter.	We have installed Gas Cleaning Plant (GCP) for our Blast Furnace . SMS plant yet to install by us.
III Water quality monitoring and preservation		
i	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 issued vide G.S.R 277(E)dated 31st March 2012 (Integrated iron & Steel); G.S.R. 414 (E) Dated 30 th May 2008 (Sponge Iron) as amended from time to time ; S.O. 3305(E) dated 7 th December 2015 (Thermal Power Plants) 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 recognized under Environment (Protection) 1986 or NABL accredited Laboratories.	The plant is not discharging any process effluent into nearby locations or outside of the plant Waste water is being treated & utilized as process make up & dust suppression . Quarterly monitoring & analysis By Regional office WBPCB and Half yearly monitoring & analysis by NABL accredited agency, in Annexure - 6

	Statutory Compliance	Compliance Status
ii	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient number wells in the plant and adjacent areas using services of labs recognized under Environment (Protection) 1986 or NABL accredited Laboratories.	We did not use ground water resources in our factory premises like tube wells , bore wells etc. We are using water which is being supplied to us by DPL (Durgapur Project Limited) ,DMC (Durgapur Municipal Corporation) & Rain Water , hence , may not require any testing of ground water.
iii	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF. & CC, Zonal Office of CPCB and Regional Office SPCB along with six monthly monitoring report.	We will follow your instruction / guidelines of CPCB/ SPCB but we do not withdrawal ground water for the project and neither used in process.
iv	Project Proponent shall adhere to Zero Liquid Discharge;	The plant is not discharging process effluent water. Process water is being treated & utilized as make up & for dust suppression & re-process the same.
v	Sewage Treatment Plant shall be provided by the project proponent for treatment of domestic waste water to meet the prescribed standards.	We have already installed Sewage Treatment for domestic waste water to meet the prescribed standards.
vi	Garland drains and collection pits shall be provided by the project proponent 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.	Construction of Garland drains and collection pits are under progress . The project proponent put all efforts to arrest heavy rain water . Water pollution due to rain or runoff water in any nature shall be controlled by us.
vii	Vehicle tyre washing facilities shall be provided by the project proponent at the entrance gates of the plant.	We are pleased to inform you that during the financial year 2022-23 we have completed construction of 1.5 km length and 24 feet wide concrete road within our factory premises to reduce dust generation. We are glad to announce that we have managed to reduce dust generation by 90%.To reduce dust generation even further, we intend to commission a vehicle tyre washing facility within our factory premises shortly.
viii	CO2 injection shall be provided by the project proponent in GCP OF SMS to reduce pH in circulating water to ensure optimal recycling of treated water for converter gas cleaning.	We have not install the SMS Plant till now.
ix	The project proponent shall undertake rainwater harvestings to collect maximum precipitation.	Rain water harvesting pond to collect maximum amount of water , we have , if , required pond can further be modified for better performance.
x	Water meters shall be provided by the project proponent at the inlet(s) of all units using water in the steel plant.	We have already provided water meters at the inlet(s) of all units using water in the plant.

	Statutory Compliance	Compliance Status
xi	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade method and by recycling treated water.	The plant is not discharging any process effluent into the nearby main course. Entire waste water is treated and is recycled back for different processes. Zero Discharge concept has been considered in the design stage of the expansion project.
IV Noise monitoring and prevention		
i	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted by the project proponent to Regional Officer of the ministry as a part of six monthly compliance report.	Noise level survey carried as per the prescribed guidelines and the same submitted to the Regional Officer of the ministry as a part of six monthly compliance report.
ii	Project proponent shall ensure that the ambient noise levels conform to the standards prescribed under E(P)A Rules 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	The noise level study is being done & it is observed that the level is within the standards prescribed under E(P)A Rules 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.) (Annexure - 7)
V Energy Conservation measure		
i	The project proponent shall provided TRTs to recover energy from top gases of Blast Furnaces.	Our blast furnace capacity is less than 350 m ³ , so we did not provided top recover turbine this time. Top Recovery Turbine (TRT) is not pursued on less then 350m ³ due to:(i) The Blast Furnace gas quantity is very less for the reason that the Blast Furnace size is small;(ii) The top pressure of BFG after Blast Furnace Bell-Less Top equipment is very low and,(iii) The power generated by this level of TRT is very less.
ii	Waste heat shall be recovered from Sinter Plant coolers and Sinter Machines	We already installed Pre- Heating System in sinter plant cooler for waste heat recovery.
iii	Project Proponent shall use torpedo ladle for hot metal transfer to the maximum extent possible. If torpedo ladles are not used, the project proponent shall provided covers for open top ladles.	We did not use Torpedo Ladle and we shall provided covers for open top ladles.
iv	Project proponent shall use hot charging of slabs and billets/blooms to the maximum extent possible	We did not install SMS so not required for the same at this time.
v	Waste heat recovery systems shall be provided by the project proponent in all units where the temperature of flue gas or process gas exceeds 300oC.	Waste heat recovery systems already installed.

	Statutory Compliance	Compliance Status
vi	Project proponent shall study feasibility to install WHRS to utilize Waste Gases from BF stove ; Sinter Machine , Sinter Cooler , and all reheating furnaces.	We have already installed CPP (Captive Power Plant) for Waste gas recovery from BF stove and also installed pre-heater for sinter plant cooler. Other waste heat recovery initiatives are being explored for different process applications and for cooling purpose.
vii	Project proponent shall restrict Gas flaring to < 1 %.	We did it as per your direction.
viii	Project Proponent shall provide solar panels for power generation on roof tops of buildings, for lighting of all common areas, street lighting, parking area lighting and also carry out regular maintenance of the same.	We are planning that we will install construct solar panels as per your direction during the project expansion or before.
ix	Project proponent shall provided LED lights in there offices and residential areas of the project.	Most of the process done and rest part will be implemented soon.
x	Project proponent shall ensure installation of regenerative type burners on all reheating furnaces.	We did not install SMS so not required for this same at this time.
VI	Waste management	
i	An attrition grinding unit to improve the bulk density of BF granulated slag from 1.0 to 1.5 Kg/shall be installed by the project proponent to use slag in place of river sand in construction industry.	Noted and complied soon but present BF granulated slag sale to Cement Industry.
ii	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in sinter plant shall be installed by the project proponent	We are utilizing GCP Slurries in Sinter plant.
iii	Waste recycling plant shall be installed by the project proponent to recover scrap, metallic waste and flux for recycling to sinter plant and SMS.	We did not install SMS so not required for this same at this time.
iv	Used refractories shall be recycled by the project proponent as far as possible.	Hardly any generation of refractories in our plant . Ever generated refractories are being used in our road construction or refilling purpose etc.
v	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, as railway track ballast and in other applications. The project proponent shall install a waste recycling facility to recover metallic waste and flux for recycling to Sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.	We did not install the SMS Plant so not required for the same at this time.

	Statutory Compliance	Compliance Status
vi	100% utilization of fly ash shall be ensured by the project proponent . All the fly ash shall be provided to Cement and Brick manufactures for further utilization and memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office	Our CPP (Captive Power Plant) is BFG based , hence , no generation of fly ash .
vii	Oil Collection pits shall be provided by the project proponent in oil cellars to collect and reuse / recycle spilled oil. Additionally, oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	It will be done as per the direction.
viii	The waste oil, grease and other hazardous waste like acidic sludge from pickling, galvanising ,chrome plating mills, etc. shall be disposed of as per the Hazardous & Other Waste (Management & Transboundary Movement) Rules 2016 Coal tar sludge/decanter shall be recycled to coke Ovens.	Our Plant Generated waste oil and oily sludge which we sell to the authorized vendor. Copy enclosed herewith for your perusal.(Annexure- 8)
ix	Kitchen waste shall be composted or converted to biogas for further use.	Our all kitchen waste carried out by Durgapur Municipal Corporation (DMC). Copy enclosed. (Annexure- 9)
VII	Green Belt	
i	Green belt shall be developed by the project proponent in an area equal to 33% of the total plant area with native broad - leaved tree species in accordance with CPCB guideline .The green belt shall interlay, cover the entire periphery of the plant.	Trees plantation is our ongoing process. The Green Belt Plan has raised inside the plant. On & around above 33% of the total plant area would be planted in near future. Recently company has targeted to plant 2000 of species in 4ha of land & rest will be done in next couple of years. some photo graph attach for your perusal (Annexure-10)
ii	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including through carbon sequestration, including by raising plantation.	a) We already planted 3000 trees in FY 2022-2023. We have decided to planted more trees in next couple of years. b) Ultrasonic Test will be done in every year for gas leakage detection. (Annexure- 11)
VIII	Public hearing and Human health issues	
I	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be prepared and implemented.	We already done it as per the direction.

	Statutory Compliance	Compliance Status
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.	We are very much conscious about the same, we have already taken all the necessary steps providing them like - 1) Our management provided Hand gloves, Safety Shoes, duster, Helmet, safety goggles and also heat protective clothing each employees who working in heat zone area for their smooth & Safe working environment. 2) Our management provided High Speed fan in cast house area for our employees to relieving heat stress. We are improving " Safety measure " time to time to save our worker and smooth the plant running without any disturbing.
iii	Provision shall be made for proper housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, and crèche, etc. The housing may be in the form of temporary structures, which may be removed after the completion of the project.	Do not have any housing for the construction labour / employees within the factory premises.
iv	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health check-up are used to done on regular basis and records maintained as per the Factories Act. The summarized Occupational Health Checkup includes Blood test, PFT, ECG, general health checkup, Eye test etc. Test report Data already provided our previous compliance report.
IX	Corporate Environment Responsibility	
i	The project proponent shall comply with the provisions contained in the Ministry's OM issued vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, while preparing the Corporate Environment Responsibility Plan.	Noted
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 report to the head of the organization.	We already make a separate Environmental Cell both at the project and company head quarter level, with qualified personnel as per your direction.

	Statutory Compliance	Compliance Status
iv	Action Plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise fund earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. year wise progress of implementation of action plan shall be reported to the ministry/regional office along with six monthly compliance report.	It will be done as per you direction.
v	Self- environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted will be complied soon.
vi	All the recommendation made in the charter on corporate responsibility for environment protection (CREP) for the iron & steel plants shall be implemented.	It will be done as per the direction Please see Annexure - 5
X	Miscellaneous	
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 atleast in two local news papers 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.	We have already uploaded EC in our website for display permanently and as regards inadvertent non-compliance of advertising environmental conditions and safeguards in two local newspapers is concerned, the same shall be complied with Shorty .
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of the local bodies, Panchayet and Municipal Bodies in addition to the relevant offices of the government who in term as to display the same for 30 days from the date of receipt.	We have already done it as per the direction.
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including result of monitored data on their website and update the same on half - yearly basis.	We already done it as per the direction.

	Statutory Compliance	Compliance Status
iv	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (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.	1) We already installed OCEMS in every stack of our plant as per your direction and also monitoring the criteria pollutants and also connected with CPCB & SPCB server. 2) We also provided a display board about our pollutants level beside main gate for public.
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.	It will be done as per the direction.
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.	We have submitted 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. (Annexure-12)
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.	The information is shared as per directions.
viii	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).	Further any expansion or modification of the plant shall be carried out prior approval of this Ministry as per norms.
ix	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 the point.
x	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted the point.

	Statutory Compliance	Compliance Status
xi	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bond manner shall implement these condition.	It will be done as per the direction.
xii	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.	It will be done as per the direction.
xiii	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act. 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India /High Courts and any other Court of Law relating to the subject matter.	Noted for compliance and It will be done as per the direction.
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 the point.

For KIC METALIKS LTD


PRADIP DAS
DY. MANAGER

SPEED POST

ANNEXURE - 1

NOC NO159428

WEST BENGAL POLLUTION CONTROL BOARD

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



Memo No. 1166 -2N-07/2010(E)

Dated 10.12.2019

From :
Member Secretary,
West Bengal Pollution Control Board

To : M/s. KIC Metaliks Limited,
3B, Lalbazar Street, 4th Floor, Room No. 2, Kolkata - 700 001.

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

Ref : 1. Your letter No. KIC/POLLU/NOC/2019-20 Dated 15.11.2019
2. EC issued by MOEF&CC, GOI, vide F.No. J-11011/556/2009-IA-II(I)
dtd. 11.09.2019.

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed ^{expansion and modification} ~~Unit~~ of M/s
KIC Metaliks Limited
~~for manufacturing/storage/instalation~~
from 0.21 MTPA Pig Iron Plant to 0.378 MTPA Integrated Steel Plant
with 30 MW CPP at Raturia Industrial Area, Angadpur, Durgapur, Dist.-
Paschim Bardhaman, West Bengal. (Details provided in Annexure).

It 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.

Annexure to NOC Sl. No. **NO159428**

Special conditions issued to **M/s. KIC Metaliks Limited, Raturia Industrial Area, Angadpur, Durgapur, Dist – Paschim Bardhaman, West Bengal (Expansion Project)**

B) Effluent:-

- 1) Process effluent generated will be treated in appropriately designed Effluent Treatment Plant. The treated effluent to be utilized within the plant premises. Zero Discharge Principle should be strictly adhered to.
- 2) Cooling water to be recycled.
- 3) Domestic effluent shall be treated in appropriately designed Sewage Treatment Plant and the discharge shall comply with the stipulated standards.
- 4) The project proponent shall install 24X7 continuous effluent monitoring system as directed by MoEF&CC.
- 5) Detailed water harvesting plants should be implemented and submitted to the Regional Office of the Board.

C) Solid Waste :-

1. Fly ash to be sold to cement manufacturing units.
2. Dolo-char to be used in AFBC.
3. Bottom ash and slag from induction furnace and SEAF to be used for land filling and road making.
4. Hazardous Waste to be collected and disposed of as per the Hazardous Wastes (Handling and Trans-boundary Movement) Rules, 2016 and its subsequent amendments.
5. The project proponent shall ensure 100% utilization of solid waste generated by the plant.
6. Dumping of wastes is permitted only at designated locations.

D) General :-

- 1) Noise Control – Ambient noise & D. G. Set noise level not to exceed the permissible limit.
- 2) No additional machinery / equipments can be installed without permission from this board.
- 3) Adequate arrangement for dust suppression in raw material handling section to be provided.
- 4) At least 40% of the project area should be under green belt. Green belt should also be implemented outside the project premises in the form of avenue plantation, plantation in vacant areas, social forestry etc.
- 5) Rain water harvesting must be done however recharging of harvested rain water is not allowed under any circumstances.
- 6) Conditions laid down in the Environmental Clearance obtained for the expansion project from MoEF. GoI vide no. J-11011/556/2009-IA II (I) dated 11.09.2019 must be strictly followed.
- 7) The conveyor belt for transferring materials to day bins & skip hoist to be covered.
- 8) Good house-keeping to be maintained.
- 9) All requisite permissions / compliance / certificates / licenses from the Competent Authority shall be obtained.
- 10) Permission for extracting ground water must be obtained from the competent authority.
- 11) Project proponent should not undertake any activity on any portion of land which is not under their possession.
- 12) Monitoring of compliance of the Environmental Clearance conditions should be submitted with third party audit reports every year.
- 13) The minimum Corporate Environment Responsibility (CER) amount should be atleast 0.75% (1.5 times .50%) of the project cost.
- 14) This NOC is valid up to 30.11.2026 for setting up the expansion project.


Member Secretary/Sr. Environmental Engineer (EIM Cell)
West Bengal Pollution Control Board

Sr. Environmental Engineer
W. B. Pollution Control Board
Dept. of Environment, GoWB

A) Emission Details :-

Sl. No	Unit	Existing Configuration	Final Configuration	Capacity	Pollution Control Devices	Stack Height
1	MBF	215 m ³ MBF	245 m ³ MBF	2,35,000 TPA	Dust Catcher, Saturator, Ventury Scrubber (2 Nos.) Moisture Separator	50
2	SINTER PLANT	1x25 m ²	2x25 m ²	3,60,000 TPA	ESP (4 Nos.), Deduster, Bag Filters, Water Sprinklers	45
3	DRI	Nil	2x350 TPD	2,24,000 TPA	ESP, Bag Filters, Water Sprinklers	73
4	CPP(WHRB)	Nil	14 MW	14 MW		
5	CPP(AFBC)	Nil	11 MW	11 MW	ESP, Bag Filters, Water Sprinklers	45
6	CPP (GAS FIRED)	5 MW	5 MW	5 MW		50
7	EAF WITH LF & VD	Nil	1x30 T	3,87,000 TPA	Bag Filters	45
8	IF	Nil	4x15 T		Bag Filters	30
9	CCM	Nil	2x600 TPD	3,84,000 TPA	Bag Filters	
10	OXYGEN PLANT	Nil	50 TPD (VPSA) 100 TPD (ASU)	4500 m ³ /hr		
11	ROLLING MILL	Nil	1200 TPD	3,78,000 TPA		30
12	NITROGEN PLANT	Nil	50 TPD(PSA)	5,500 m ³ /hr		
13	PCI PLANT	Nil	1x100 TPD	32,000 TPA	Bag Filters	

- Stacks should have sampling port, platform and ladder as per the Emission Regulation Part-III of CPCB.
- The project proponent shall install 24X7 continuous monitoring system in the process stacks to monitor stack emission and connected to SPCB and CPCB's servers. As the project is located in Durgapur Severely Polluted Area, the emission levels from all emission sources shall be connected to Air Pollution Control devices and should comply with stringent emission standards equivalent to 50% of the stipulated emission standards as prescribed by MoEF&CC.
- The project proponent shall install continuous ambient air quality monitoring system for monitoring in atleast 4 locations covering upwind and downwind directions as directed by MoEF&CC and connected to SPCB and CPCB's servers.
- Effective fugitive emission control measures should be imposed in the project.
- Best Available Technology (BAT) should be used in the process. The project proponent shall install dry gas cleaning plant with Bag Filters for Blast Furnace and SMS converter.
- The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16th November, 2009 should be complied with.
- Dry fog system and water sprinklers to be installed to arrest fugitive emission.

NOC NO 159428

7. You shall comply with
- Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
 - Environment (Protection) Act, 1986
 - Environment (Protection) Rules, 1986
 - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
 - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - The Public Liability Insurance Rules, 1991 and Amended Rules 1993
 - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - 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 :

Capital Investment in land, Building, Plant & Machinery - Rs. 470 Crores

please refer to Annexure.

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

Yours faithfully,

D. Datta
10/12/2010
Member Secretary, / SR. ENV. ENGR.
West Bengal Pollution Control Board (EIM CELL)
Sr. Environmental Engineer
W. B. Pollution Control Board
Dept. of Environment, GoWB

Memo No. 1166 - 2N-07/2010 (E) dt. 10.12.2010
Copy forwarded for information to :

- Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
 - Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
 - Guard file, West Bengal Pollution Control Board.
 - 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
Delhi Road, Dankuni
Dist. Hooghly | Vill, Panpur
Kalyani Expressway
P.O. Narayanpur
Dist. 24 Pgs. (N) | Sahid Khudiram Sarani
City Centre, Durgapur-16
Dist. Burdwan | 10, Camac Street
2nd Floor
Kolkata-700 017 |
| Paribesh Bhawan
10A, LA-Block, Sector-III
Salt Lake City,
Kolkata - 700 098 | Block-05 at 40
Flats Complex
Adjacent to Priyambada
Housing Estate
P.O. : Khanjanachak,
P.S. Durgachak
Haldia-721602 | Paribahan Nagar
Matigara, Siliguri
Dist.-Darjeeling | |

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

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



Consent Letter Number : C0128985

Memo Number : 305- dr- co- 8/10/0775

Date : 29/09/2020

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 :

KIC Metalike Limited

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

(hereinafter referred to as Applicant) for its unit located at Raturia Industrial Area,
Angadpur, Durgapur, P.S. - Coke Oven, Paschim Bardhaman,
Pin - 713215

(Detailed address of the manufacturing unit)

for a period from date of issue to 31/03/2024

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

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

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

For and on behalf of the State Board

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

Hardi
29/09/20
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell



ANNEXURE

Consent to KIC Metaliks Limited
 for its unit at Raturia Industrial Area, Angadpur, Durgapur,
P.S.- Coke Oven, Paschim Bardhaman, Pin - 713215

Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Pig Iron (By Augmentation of existing MBR)	235000 MT/Year
02	Sinter	180000 MT/Year
03	One Oxygen Plant (4500 m ³ /hr)	50 TPD (VPSA)
04	One Nitrogen Plant (5500 m ³ /hr)	50 TPD (PSA)
05	Pulverised Coal Injection (PCI Plant)	100 TPD
06	Slag	70500 Ton/year.
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 Recycle KL.
04. Daily discharge of domestic liquid effluent shall not exceed 15.00 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 01 (one) nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

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

Marchi
29/09/25
 Environmental Engineer
 W. B. Pollution Control Board
 Operation & Execution Cell

Continued

C0128985

Consent to KTC Metaliks Limited⁽³⁾
 for its unit at Raturia Industrial Area, Angadpur, Durgapur,
P.S. - Coke Oven, Paschim Bardhaman, Pin - 713215

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Domestic	pH	Between: 5.5 to 9.0	Yearly
		Total Suspended Solids	Not to exceed: 100 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed: 250 mg/l.	
		Oil & Grease	Not to exceed: 10 mg/l.	

09. The Applicant falls in the Red 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 → 550.00 KL
 (Water used for gardening should be included in this category of use)
- Domestic purpose → 25.00 KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → - KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → - KL

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

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

W. B. Pollution Control Board
29/09/20
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell..

Consent to KIC Metaliks Limited
 for its unit at Raturia Industrial Area, Angadpur, Durgapur,
P.S. - Coke Oven, Paschim Bardhaman, Pin - 713215

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 : See Annexure - I

Table-II

Stack No.	Stack height from G.L., (in mts.)	Stack attached to (sources and control system. if any):	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)			
S-1									
S-2									
S-3									
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

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

W. B. Pollution Control Board
 Operation & Execution Cell

W. B. Pollution Control Board
 29/09/20

C0128985

(5)

Consent to KIC Metaliks Limited
 for its unit at Raturia Industrial Area, Angadpur, Durgapur,
P.S.- Coke Oven, Paschim Bardhaman, Pin-713215

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

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Coke fines	12600 MT/year	Sinter Plant
02			
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
Fines raw materials (Iron Ore fines) Dolo Fines	421.00 MT/month	—	Reused

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 ¹⁰ 09 p.m.)	75
Night Time (¹⁰ 09 p.m. to 06 a.m.)	70

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. / Eny. Engr. / Asst. Eny. Engr.)

March 29/09/20
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Consent to KIC Metaliks Limited
 for its unit at Raturia Industrial Area, Angadpur, Durgapur,
P.S. - Coke Oven, Paschim Bardhaman, Pin - 713215

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

Additional Conditions See Annexure - II

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

Mardi
29/09/20
 Environmental Engineer
 W. B. Pollution Control Board
 Operation & Execution Cell

Annexure to Consent Letter Number – CO128985
 Additional Conditions issued to M/s. **KIC Metaliks Limited** at existing factory premises Raturia Industrial Area, Angadpur, Durgapur, Dist- Paschim Bardhaman, PIN-713215

Annexure – I

Sl. No.	Stack height from G.L (in mts.)	Stack attached to (sources and control system, if any)	Volume Nm ³ /hr	Velocity of gas emission m/sec	Concentration of parameters not to exceed		Frequency of emission sampling
					PM (mg/Nm ³)	CO (% v/v)	
1.	50.0 m (common)	Augmented MBF (245m ³ – capacity-2,35,000 TPA) with Dust Catcher, Saturator, Ventury Scrubber(2 nos.) & Moisture Separator with stack	-	-	25	< 1	Quarterly
2.	45.0 m	Sinter Plant (1 x 25 m ² - Capacity-1,80,000 TPA) with 4 field ESP . Deduster Bag Filter, Water Spronklers with stack	-	-	25	< 1	Quarterly
3.	-	Pulverised Coal Injection Plant (1 x 100 TPP- Capacity-32000 TPA) with APCD-Bag filter	-	-	-	-	-
4.	-	Oxygen Plant (4500 m ³ /hr)	-	-	-	-	-
5.	-	Nitrogen Plant(5500 m ³ /hr)	-	-	-	-	-

Environmental Engineer
 West Bengal Pollution Control Board
W. B. Pollution Control Board
 Operation & Execution Cell

Handwritten signature
 29/09/20

Annexure- II

Annexure to Consent Letter Number – **CO128985**

Additional Conditions issued **M/s. KIC Metaliks Limited** at existing factory premises Raturia Industrial Area, Angadpur, Durgapur, Dist- Paschim Bardhaman, PIN-713215

1. The unit should comply all the conditions mentioned in Consent to Establish (NOC) SI.No.NO159428 issued in favour of the industry for expansion project.
2. The unit should obtain all the statutory licenses as applicable from other concerned Govt. Department.
3. This consent may be revoked at any time on violation of environmental norms.
4. The unit shall submit a status of compliance of the conditions stipulated in EC.
5. The unit should install Continuous Emission Monitoring System for all emission sources within 31st October,2020 failing which regulatory action will be initiated.
6. This consent to Operate is valid for operation of Augmented MBF, Sinter Plant, Pulverised Coal Injection Plant, Oxygen Palnt & Nitrogen Plant at existing plant premises.

Hoschi
29/09/20
Environmental Engineer
West Bengal Pollution Control Board
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

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

Salt Lake City, Kolkata-700 098



Consent Letter Number : 20110279

Memo Number : 613 - dr - Co - S / 10 / 0275

Date : 01.04.19

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 :

KIC Metaliks Limited

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

(hereinafter referred to as Applicant) for its unit located at Raxia Industrial Area,

Angalpur, Durgapur, P.S - Coke oven,
Paschim Bardhaman - 713215

(Detailed address of the manufacturing unit)

for a period from 01/04/2019 to 31/03/2024

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

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

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

- * The unit should comply with all the terms and conditions stipulated in the 'Consent to Establish' and previous 'Consent to Operate' of the State Board.
- * The unit should also comply with all the directions of the Board issued time to time.

For and on behalf of the State Board

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

Environmental Engineer

Durgapur Regional Office
West Bengal Pollution Control Board



ANNEXURE

Consent to KIC Metaliks Limited
 for its unit at Raturia Industrial Area, Angalpur, Durgapur,
P.S- Coke Oven, Paschim Bardhaman-713215

Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Pig Iron	13750 MT
02	Sinter	28050 MT
03	Portland Slag Cement	3000 MT
04	Captive Power Generation	1.7 MW
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 KL.
04. Daily discharge of domestic liquid effluent shall not exceed 5.00 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 one nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

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

M. Mondal
29/03/16
 Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board



WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan

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

Kolkata - 700 098

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

2335-0261 / 8212 / 8213 / 7428 / 5975

Fax : 0091 (033) 2335 6730 / 2813

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

Authorisation letter no.:

Memo No. **233** /2S(HW) - 3503/2018

Date: **20** .12.2018

FORM 2

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

Ref.: Application for authorization dated 27.04.2018 for management & handling of hazardous and other wastes.

M/s. KIC Metaliks Ltd.

Raturia Angadpur Industrial Area, Durgapur, P.O.: Angadpur, P.S.: Coke Oven, District: Burdwan , PIN - 713 215, West Bengal is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal, or any other use of hazardous or other wastes or both on the premises situated at **Raturia Angadpur Industrial Area, Durgapur, P.O.: Angadpur, P.S.: Coke Oven, District: Burdwan , PIN - 713 215, West Bengal.**


Details of Authorisation

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (ton/annum)
1.	5.2	Disposal to CHWTSDF. *	0.74
2.	5.1	Recycling through authorized recyclers *	1.12
3.	36.2	Disposal to CHWTSDF. *	0.070

* For detail refer to Specific Conditions.

(1) Authorisation shall be valid for a period upto **30.04.2023** with effect from the date of issue

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


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

A. General conditions of authorisation

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

B. Specific conditions :

1. The unit shall store the hazardous wastes (category wise separately) under shade in an environment friendly safe manner within the premises at designated places and the unit shall not store hazardous waste on site for more than 180 days.
2. Used grease, cotton/ jute waste & gloves and oily sludge (5.2) and used oily filter (36.2) to be disposed of to the Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) through manifest (Form 10) system.

3. Used oil (5.1) shall be sold through manifest system (Form 10) to the authorized recyclers having valid authorization of the State Pollution Control Board. During each sale, the original Pass-book issued by SPCB to the authorized recyclers shall be endorsed mentioning the quantity and copy of the same shall be kept as record
4. Transport of hazardous and other waste shall be in accordance with the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Motor Vechiles Act, 1988.
The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this responsibility shall be clearly indicated in the Manifest.
5. The unit shall submit copies of Form 10 to the State Board on a regular basis.
6. Records of hazardous waste generation, storage and disposal shall be maintained properly and shall be maid available to the inspecting officials of the State Board during inspection.
7. The unit shall update regularly the environmental information in Display Boards as per the order of the Hon'ble Supreme Court dated. 14.10.2003 in W.P.(C) NO.657 of 1995.
8. Authorisation will be revoked in case of non-compliances with any of the above conditions.
9. The unit must dispose the hazardous wastes and submit the manifests immediately. Validity of this authorization may be extended further after observing the compliances report of the conditions given in the authotisation.

✓ M/s. KIC Metaliks Ltd.

**Raturia Angadpur Industrial Area, Durgapur,
P.O.: Angadpur, P.S.: Coke Oven,
District: Burdwan , PIN – 713 215, West Bengal.**

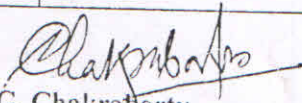

[Chief Engineer]
Waste Management Cell
West Bengal Pollution Control Board

Enclosed: As stated.

Inspection Report ----- Cum ----- Check list

Name of the industry	M/s. KIC Metaliks Limited.
Address	Raturia Industrial Estate, Angadpur, Durgapur, Paschim Bardhaman-713215.
P.S.	Coke Oven
Category of industry	Red (Steel Plant).
Date & time of inspection	08/08/2018, 11:05hrs.
Inspecting officers	G. G. Chakraborty, AEE
Person meet during inspection	Sri Pradip Das, Manager
Cess paying industry	√Yes No
Observation A) Sources of generation of liquid waste.	Cooler discharge, boiler blow down and washing, bathing etc. activity
B) Facility available for treatment	Neutralization pit
C) Generation of sewage and its treatment/ disposal	Through Septic tank soak pit
D) Observation & comments on performance of treatment facility of liquid waste.	--
E) Sources of generation of gaseous emission.	1. Mini Blast Furnace-13750MT/month, 2. Sinter Plant - 28050MT/month, 3. Granulated Slag- 3000MT/ month, 4. CPP- 4.7 MW
F) Facility available for treatment of gaseous emission.	i) Mini Blast Furnace - Cyclone ii) Sinter Plant- ESP & Bag filter iii) CPP – Approx. 40 m ht. stack

G) Observation & comments on performance of treatment facility for gaseous emission.	High fugitive emission was noticed from sinter plant area and raw material handling storage area.
H) Information regarding solid waste generation and disposal/ storing facility.	BF slag is used in manufacture of granulated slag
I) Information regarding Hazardous waste generation and onsite storing facility.	<ul style="list-style-type: none"> • Used oil, used grease, oil soaked cotton etc. stored in PVC drums. • Hazardous waste generation record could not be produced at the time of inspection. • Environmental Information Display Boards were found be painted outside the main gate. There was no information in the display boards.
J) Status of Hazardous waste (M & H) authorization.	As informed by the unit the HW Authorization application has been submitted on 25/04/2018 for renewal.
K) Status of consent to establish.	Possess valid NOC ✓ Yes No
L) Status of consent	Possess valid consent to operate ✓ Yes No If yes, validity period up to 31.03.2019
M) Any other relevant information	<ul style="list-style-type: none"> • Stack sampling of i) Sinter Plant Head ESP and ii) Sinter plant Tail ESP & Fugitive Emission near RMHS and M2 conveyor of sinter plant was done with the help of Recognized Laboratory of the State Board. • Sprinkler systems were found to be not sufficient. • Raw material was found stored under open sky without any covered. • Some canopies of different conveyor belt were found in broken state. • Plantation was found to be inadequate.



G. G. Chakraborty
Assistant Environmental Engineer
Durgapur Regional Office



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-737/2022	Format No: ICI/FM/H/58
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-737
Address	: Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das Mob. No. +91-9874943332	Sampling Time : 03:30 PM
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis Start Date : 15.09.2022
#Sample Description	: STACK AIR	Analysis complete Date : 16.09.2022
#Location	: CPP	
Sample Condition	: In Glass Microfibre Thimble & Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: CPP	Material of Construction	: M.S.
Emission due to	: Combustion of B.F. Gas	Stack ID at sampling point (M)	: 2.50
Fuel Used	: B.F. Gas	At Bottom (M)	: -
Rated Fuel Consumption	: 9000 Nm ³ /Hr.	At Top (M)	: -
Working Fuel Consumption	: -	Height Details :	
Calorific Value(Kcal/kg)	: -	a) Total Ht. Of stack from GL(M)	: 55.00
Sulphur Content (% by Wt)	: -	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt)	: -	c) Ht. of sampling port from GL(M)	: 25.00
Pollution Control Device	: Nil	d) Ht. of port from disturbance zone (M)	: -
Whether Stack is provided with permanent Platform / Ladder TEMPORARY			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 222	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	: 758	a) Rated	: -
Velocity of Gas flow (m/s)	: 11.74	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 121258.36	Load	
Pressure	: -	a) Rated	: 22 TPH
		b) Running	: 10 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	22.0 at 13.4% CO ₂	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalized to 12% CO ₂ (V/V) - (mg/Nm ³)	20.0	
03.	Sulphur di-oxide (mg/ Nm ³)	22.58 at 5.8% O ₂	IS 11255 (Part -2): 1985 (RA 2019)
04.	Sulphur di-oxide Normalized to 6% O ₂ - (mg/ Nm ³)	22.28	
05.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO ₂)-% (V/V)	13.4	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Goidi
(Quality Manager)
Signatory Authority

Parbati Goidi
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- 1 # Information provided by customer
 - 2 Sample is drawn by M/s. Indicative Consultant India.
 - 3 Sample submitted and identified by customer as: NA
 - 4 Test results shown in this test report relate only to the sample (s) only.
 - 5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - 6 The reproduction of the report except in full is invalid without written approval of the laboratory.
 - 7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - 8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
 - 9 Location of Testing: Haldia Laboratory

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

Page 1 of 1



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	Report No: ICI/HL/A/RN-736/2022	Format No: ICI/FM/H/58
Customer Name	M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-736
Address	Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022
#Customer Representative Name & Contact Number	Mr. Pradip Das Mob. No. +91-9874943332	Sampling Time : 01:30 PM
#Work Order No.	KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis Start Date : 15.09.2022
#Sample Description	STACK AIR	Analysis complete Date : 16.09.2022
#Location	SINTER PLANT -1 (HEAD ESP)	
Sample Condition	In Glass Microfibre Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	SINTER MACHINE (HEAD)	Material of Construction	: M.S.
Emission due to	Combustion of B.F. Gas & Coke Fines	Stack ID at sampling point (M)	: 2.98
Fuel Used	B.F. Gas & Coke Fines	At Bottom (M)	: -
Rated Fuel Consumption	B.F. Gas - 2900 Nm ³ /Hr. Coke Fines – 58 MT/Day	At Top (M)	: -
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	: 50.00
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt)	-	c) Ht. of sampling port from GL(M)	: 36.00
Pollution Control Device	ESP	d) Ht. of port from disturbance zone (M)	: -
Whether Stack is provided with permanent Platform / Ladder	YES		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 160	Steam Generation Capacity:	
Barometric Pressure.(mm Hg)	: 758	a) Rated	: -
Velocity of Gas flow (m/s)	: 13.06	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 212745.77	Load a) Rated	: 25.0 m ²
Pressure	: -	b) Running	: -

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	: 22.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalized to 12% CO ₂ (V/V) - (mg/Nm ³)	: -	
03.	Sulphur di-oxide (mg/ Nm ³)	: 17.76	IS 11255 (Part -2): 1985(RA 2019)
04.	Carbon mono oxide (as CO)- % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
05.	Carbon di oxide (as CO ₂)-% (V/V)	: 12.8	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- 1 # Information provided by customer
 - 2 Sample is drawn by M/s. Indicative Consultant India.
 - 3 Sample submitted and identified by customer as: NA
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-----End of Report-----

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INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-735/2022	Format No: ICI/FM/H/58
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-735
Address	: Raturia, Angadpur, Durgapur - 15, Burdwan	Sampling Date : 13.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das Mob. No. +91-9874943332	Sampling Time : 12.05 PM
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis Start Date : 15.09.2022
#Sample Description	: STACK AIR	Analysis complete Date : 16.09.2022
#Location	: SINTER PLANT -I (TAIL ESP)	
Sample Condition	: In Glass Microfibre Thimble	
Sampling Method	: CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: HOT SCREEN SINGLE ROLL CRUSHER, CIRCULAR COOLER, HOT DISE (TAIL)	Material of Construction	: M.S.
Emission due to	: During Processing / Coating	Stack ID at sampling point (M)	: 2.40
Fuel Used	: -	At Bottom (M)	: -
Rated Fuel Consumption	: -	At Top (M)	: -
Working Fuel Consumption	: -	Height Details :	
Calorific Value(Kcal/kg)	: -	a) Total Ht. Of stack from GL(M)	: 50.00
Sulphur Content (% by Wt)	: -	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt)	: -	c) Ht. of sampling port from GL(M)	: 30.00
Pollution Control Device	: ESP	d) Ht. of port from disturbance zone (M)	: -
Whether Stack is provided with permanent Platform / Ladder	: YES		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 94.0	Steam Generation Capacity:	
Barometric Pressure.(mm Hg)	: 758	a) Rated	: -
Velocity of Gas flow (m/s)	: 10.36	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 112984.25	Load a) Rated	: 25.0 m ²
Pressure	: -	b) Running	: -

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	18.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalized to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO ₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golu
(Quality Manager)
Signatory Authority

Parbati Golu
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: NA
 - Test results shown in this test report relate only to the sample (s) only.
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 - Location of Testing: Haldia Laboratory

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

Page 1 of 1



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-738/2022	Format No: ICI/FM/H/58
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-738
Address	: Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das	Sampling Time : 04.40PM
	: Mob. No +91-9874943332	Analysis Start Date : 15.09.2022
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis complete Date : 16.09.2022
#Sample Description	: STACK AIR	
#Location	: SINTER PLANT -2 (HEAD ESP)	
Sample Condition	: In Glass Microfibre Thimble & Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: SINTER MACHINE (HEAD)	Material of Construction	: M.S.
Emission due to	: Combustion of B.F. Gas & Coke Fines	Stack ID at sampling point (M)	: 2.98
Fuel Used	: B.F. Gas & Coke Fines	At Bottom (M)	: -
Rated Fuel Consumption	: B.F. Gas - 2900 Nm ³ /Hr.	At Top (M)	: -
Working Fuel Consumption	: Coke Fines – 58 MT/Day		
Calorific Value(Kcal/kg)	: -	Height Details :	
Sulphur Content (% by Wt)	: -	a) Total Ht. Of stack from GL(M)	: 50.00
Ash Content (% by Wt.)	: -	b) Total Ht. Of stack from RL(M)	: -
Pollution Control Device	: ESP	c) Ht. of sampling port from GL(M)	: 36.00
		d) Ht. of port from disturbance zone (M)	: -
Whether Stack is provided with permanent Platform / Ladder : YES			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 158	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	: 758	a) Rated	: -
Velocity of Gas flow (m/s)	: 12.53	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 208581.11	Load: a) Rated	: 25.0 m ²
Pressure	: -	b) Running	: -

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	: 18.0	
02.	Particulate Matter Normalized to 12% CO ₂ (V/V) - (mg/Nm ³)	: -	IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/ Nm ³)	: 21.85	IS 11255 (Part -2): 1985(RA 2019)
04.	Carbon mono oxide (as CO)- % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
05.	Carbon di oxide (as CO ₂)-% (V/V)	: 13.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For. INDICATIVE CONSULTANT INDIA

Parbati Golu
(Quality Manager)
Signatory Authority

Parbati Golu
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- 1 # Information provided by customer
 - 2 Sample is drawn by M/s. Indicative Consultant India.
 - 3 Sample submitted and identified by customer as: NA
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 - 9 Location of Testing: Haldia Laboratory

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

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY :

B1-1/22/1-2 Santoshpur(M) Block-B, Mahabatala, Kolkata 700142, Mob. : 7707245910, 7707506973



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-739/2022	Format No: ICI/FM/H/58
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-739
Address	: Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das Mob. No. +91-9874943332	Sampling Time : 05:30 PM
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis Start Date : 15.09.2022
#Sample Description	: STACK AIR	Analysis complete Date : 16.09.2022
#Location	: SINTER PLANT -2 (TAIL ESP)	
Sample Condition	: In Glass Microfibre Thimble	
Sampling Method	: CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: HOT SCREEN SINGLE ROLL CRUSHER, CIRCULAR COOLER, HOT DISE (TAIL) During Processing / Coating	Material of Construction	: M.S.
Emission due to Fuel Used	: -	Stack ID at sampling point (M)	: 2.50
Rated Fuel Consumption	: -	At Bottom (M)	: -
Working Fuel Consumption	: -	At Top (M)	: -
Calorific Value(Kcal/kg)	: -	Height Details :	
Sulphur Content (% by Wt)	: -	a) Total Ht. Of stack from GL(M)	: 50.00
Ash Content (% by Wt.)	: -	b) Total Ht. Of stack from RL(M)	: -
Pollution Control Device	: ESP	c) Ht. of sampling port from GL(M)	: 30.00
Whether Stack is provided with permanent Platform / Ladder	: YES	d) Ht. of port from disturbance zone (M)	: -

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 84	Steam Generation Capacity :	
Barometric Pressure.(mm Hg)	: 756	a) Rated	: -
Velocity of Gas flow (m/s)	: 8.78	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 121368.68	Load :	
Pressure	: -	a) Rated	: 25.0 m ²
		b) Running	: -

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	: 14.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalized to 12% CO ₂ (V/V) - (mg/Nm ³)	: -	
03.	Carbon mono oxide (as CO)- % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO ₂)-% (V/V)	: <0.2	IS 13270:1992 (RA 2019)

Prepared By:

Checked By: A. Palra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- 1 # Information provided by customer
 - 2 Sample is drawn by M/s. Indicative Consultant India.
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 - 8 Retention period of tested samples (Thimble) is 180 days from the date of issue of test report unless otherwise specified.
 - 9 Location of Testing: Haldia Laboratory

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

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	Report No: ICI/HL/A/RN-734/2022	Format No: ICI/FM/H/58
Customer Name	M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-734
Address	Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022
#Customer Representative Name & Contact Number	Mr Pradip Das Mob No +91-9874943332	Sampling Time : 10.20 AM
#Work Order No.	KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis Start Date : 15.09.2022
#Sample Description	STACK AIR	Analysis complete Date : 16.09.2022
#Location	MBF	
Sample Condition	In Glass Microfibre Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	MBF	Material of Construction	: M.S.
Emission due to	Combustion of Cleaned B.F. Gas & Fe-Ore	Stack ID at sampling point (M)	: 2.00
Fuel Used	B.F. Gas	At Bottom (M)	: -
Rated Fuel Consumption	23000 m ³ /Hr.	At Top (M)	: -
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	: 50.00
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL(M)	: 40.00
		d) Ht. of port from disturbance zone (M)	: -
Pollution Control Device	DUCT CATCHER, SATURATORY, VENTURY AND FLARE STACK		
Whether Stack is provided with permanent Platform / Ladder	YES		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 295	Steam Generation Capacity:	
Barometric Pressure.(mm Hg)	: 758	a) Rated	: -
Velocity of Gas flow (m/s)	: 18.29	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 104725.33	Load a) Rated	: 245 m ³
Pressure	: -	b) Running	: -

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	: 20.0	IS 11255 (Part -1). 1985 (RA 2019)
02.	Particulate Matter Normalized to 12% CO ₂ (V/V) - (mg/Nm ³)	: -	
03.	Sulphur di-oxide (mg/ Nm ³)	: 15.22	IS 11255 (Part -2). 1985(RA 2019)
04.	Carbon mono oxide (as CO)- % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
05.	Carbon di oxide (as CO ₂)-% (V/V)	: 14.4	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- 1 # Information provided by customer
 - 2 Sample is drawn by M/s. Indicative Consultant India.
 - 3 Sample submitted and identified by customer as: NA
 - 4 Test results shown in this test report relate only to the sample (s) only.
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Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala. Kolkata-700142. Mob : 7797245819, 7797506973



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-740/2022	Format No: ICI/FM/H/61
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-740
Address	: Raturia, Angadpur, Durgapur - 15, Burdwan	Sampling Date : 13.09.2022 to 14.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das Mob. No. +91-9874943332	Analysis Start Date : 15.09.2022
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis complete Date : 19.09.2022
#Sample Description	: AMBIENT AIR	
#Location	: NEAR TEMPLE (MANDIR)	
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Parameter	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:30 AM to 05:30 PM	05:45 PM to 01:45 AM	02:00 AM to 10:00 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	75.26	87.26	70.22	77.58	IS 5182 (Part - 23):2006 (RA 2017)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	29.56	33.26	22.26	28.36	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (as SO ₂)	µg / m ³	11.20	18.26	10.22	13.23	IS 5182 (Part - 2):2001 (RA 2017)
4	Oxides of Nitrogen (as NO ₂)	µg / m ³	34.56	43.32	30.02	35.97	IS 5182 (Part - 6):2006 (RA 2017)
5	Lead (as Pb)	µg / m ³	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (as C ₆ H ₆)	µg / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (as NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (as O ₃)	µg / m ³	40.3	-	-	40.3	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (as CO)	mg / m ³	0.2711	0.3356	0.4256	0.3441	Non-Dispersive Infrared Spectrometry Method
10	Benzo (a) Pyrene (as BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (as As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12	Nickel (as Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13	Ambient Temperature (Average)	°C	33.0	30.0	27.0	30.0	Hydrometer

Limit: (µg / m³) Ambient Air Quality standard (National)
 PM₁₀ 100 µg m⁻³, PM_{2.5} 60 µg m⁻³, SO₂ 80 µg m⁻³, NO₂ 80 µg m⁻³, Lead 1.0 µg m⁻³, Ammonia 400 µg m⁻³, 24 hours basis, Carbon mono oxide 2 mg m⁻³, (1)-100 µg m⁻³ 8 hours basis, Benzene 5 µg m⁻³, Benzopyrene 1 ng m⁻³, Arsenic 6 ng m⁻³, Nickel 20ng m⁻³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area
 Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Note: Rainy Season

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbatu Gorai

(Quality Manager)

Signatory Authority

Parbatu Gorai
 Quality Manager
 INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
 Estimated Uncertainty: Not Required

- Note:
- Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: NA
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 - Location of Testing: Haldia Laboratory

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

Page 1 of 1



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-741/2022	Format No: ICI/FM/H/61
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-741
Address	: Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022 to 14.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das Mob. No. +91-9874943332	Analysis Start Date : 15.09.2022
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis complete Date : 19.09.2022
#Sample Description	: AMBIENT AIR	
#Location	: NEAR ADMINISTRATIVE BUILDING	
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle. Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. – 1)	

Sl. No.	Parameter	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:00 AM to 06:00 PM	06:15 PM to 02:15 AM	02:30 AM to 10:30 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	55.27	71.03	60.46	62.25	IS 5182 (Part – 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	20.12	33.75	17.38	23.75	IS 5182 (Part – 24):2019
3.	Sulphur Dioxide (as SO ₂)	µg / m ³	11.22	18.23	10.22	13.22	IS 5182 (Part – 2):2001 (RA 2017)
4.	Oxides of Nitrogen (as NO ₂)	µg / m ³	33.33	42.12	32.26	35.90	IS 5182 (Part – 6):2006 (RA 2017)
5.	Lead (as Pb)	µg / m ³	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (as C ₆ H ₆)	µg / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part – 11):2006 (RA 2017)
7.	Ammonia (as NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (as O ₃)	µg / m ³	39.8	-	-	39.8	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (as CO)	mg / m ³	0.2611	0.3523	0.4012	0.3382	Non-Dispersive Infrared Spectrometry Method
10.	Benzo (a) Pyrene (as BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part – 12):2004 (RA 2019)
11.	Arsenic (as As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (as Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	34.0	31.0	28.0	31.0	Hydrometer

Limit: (µg / m³) Ambient Air Quality standard (National)
 PM₁₀ 100 µg m⁻³, PM_{2.5} 60 µg m⁻³, SO₂ 80 µg m⁻³, NO₂ 80 µg m⁻³, Lead 1.0 µg m⁻³, Ammonia 400 µg m⁻³, 24 hours basis, Carbon mono oxide 2 mg m⁻³, O₃ 100 µg m⁻³, 8hours basis, Benzene 5 µg m⁻³, Benzopyrene 1 ng m⁻³, Arsenic 6 ng m⁻³, Nickel 20ng m⁻³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area
 Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Note: Rainy Season

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golda

(Quality Manager)

Parbati Golda
Signature Authority

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only.
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- Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-742/2022	Format No: ICI/FM/H/61
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-742
Address	: Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022 to 14.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das Mob. No. +91-9874943332	Analysis Start Date : 15.09.2022
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis complete Date : 19.09.2022
#Sample Description	: AMBIENT AIR	
#Location	: AT THE BACK SIDE OF THE PLANT	
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. – I)	

Sl. No.	Parameter	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:30 AM to 06:30 PM	06:40 PM to 02:40 AM	02:50 AM to 10:50 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	70.56	77.87	68.52	72.32	IS 5182 (Part – 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	26.34	37.15	20.20	27.90	IS 5182 (Part – 24) 2019
3.	Sulphur Dioxide (as SO ₂)	µg / m ³	10.55	17.56	11.63	13.25	IS 5182 (Part – 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (as NO ₂)	µg / m ³	32.23	36.85	31.15	33.41	IS 5182 (Part – 6) 2006 (RA 2017)
5.	Lead (as Pb)	µg / m ³	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (as C ₆ H ₆)	µg / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part – 11) 2006 (RA 2017)
7.	Ammonia (as NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (as O ₃)	µg / m ³	38.6	-	-	38.6	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (as CO)	mg / m ³	0.2656	0.3256	0.3622	0.3178	Non-Dispersive Infrared Spectrometry Method
10.	Benzo (a) Pyrene (as BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part – 12) 2004 (RA 2019)
11.	Arsenic (as As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (as Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	30.0	26.0	29.0	Hydrometer

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀ 100 µg m⁻³, PM_{2.5} 60 µg m⁻³, SO₂ 80 µg m⁻³, NO₂ 80 µg m⁻³, Lead 1.0 µg m⁻³, Ammonia 400 µg m⁻³, 24 hours basis, Carbon mono oxide 2 mg m⁻³, O₃ 100 µg m⁻³ 8hours basis, Benzene 5 µg m⁻³, Benzopyrene 1 ng m⁻³, Arsenic 6 ng m⁻³, Nickel 20ng m⁻³, Annual basis For. Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November '2009

Note: Rainy Season

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Gaur
(Quality Manager)
Signatory Authority

Parbati Gaur
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
- Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: NA
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 - Location of Testing: Haldia Laboratory

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

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY :

R1-1/22/1-2 Santoshpur(M) Block B, Mahabhatla, Kolkata 700142, Mob. : 7707045010, 7707500027



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	: Report No: ICI/HL/A/RN-743/2022	Format No: ICI/FM/H/61
Customer Name	: M/s. KIC METALIKS LIMITED	Sample ID No : 2022/AC-743
Address	: Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022 to 14.09.2022
#Customer Representative Name & Contact Number	: Mr. Pradip Das Mob. No. +91-9874943332	Analysis Start Date : 15.09.2022
#Work Order No.	: KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	Analysis complete Date : 19.09.2022
#Sample Description	: AMBIENT AIR	
#Location	: NEAR PIG YARD	
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle. Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. – 1)	

Sl. No.	Parameter	Unit	SAMPLING TIME			24 Hours Average	Test Method
			11:00 AM to 07:00 PM	07:15 PM to 03:15 AM	03:30 AM to 11:30 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	66.33	78.63	60.25	68.40	IS 5182 (Part – 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	21.02	26.88	20.08	22.66	IS 5182 (Part – 24):2019
3.	Sulphur Dioxide (as SO ₂)	µg / m ³	10.23	15.87	10.02	12.04	IS 5182 (Part – 2):2001 (RA 2017)
4.	Oxides of Nitrogen (as NO ₂)	µg / m ³	32.56	39.87	31.11	34.51	IS 5182 (Part – 6):2006 (RA 2017)
5.	Lead (as Pb)	µg / m ³	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (as C ₆ H ₆)	µg / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part – 11):2006 (RA 2017)
7.	Ammonia (as NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (as O ₃)	µg / m ³	39.3	-	-	39.3	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (as CO)	mg / m ³	0.2611	0.3798	0.4023	0.3477	Non-Dispersive Infrared Spectrometry Method
10.	Benzo (a) Pyrene (as BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part – 12):2004 (RA 2019)
11.	Arsenic (as As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (as Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	26.0	29.0	Hydrometer

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀ 100 µg m⁻³, PM_{2.5} 60 µg m⁻³, SO₂ 80 µg m⁻³, NO₂ 80 µg m⁻³, Lead 1.0 µg m⁻³, Ammonia 400 µg m⁻³, 24 hours basis, Carbon mono oxide 2 mg m⁻³, O₃ 100 µg m⁻³ 8hours basis, Benzene 5 µg m⁻³, Benzopyrene 1 ng m⁻³, Arsenic 6 ng m⁻³, Nickel 20ng m⁻³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Note: Rainy Season

Prepared By: R. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Gouli
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Gouli
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
- 1 = Information provided by customer
 - 2 Sample is drawn by M/s. Indicative Consultant India.
 - 3 Sample submitted and identified by customer as: NA
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 - 9 Location of Testing: Haldia Laboratory

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

Page 1 of 1

Recommendations made in the charter on Corporate Responsibility for Environmental Protection (CREP) guidelines for INTEGRATED IRON & STEEL INDUSTRY

	Condition	Compliance Status
1	Coke Oven Plant	We have not install the Coke Oven Plant till now.
2	Steel Melting Shop	We have not install the Steel Melting Shop till now.
3	Blast Furnace	We have maintain the following documents :- I. EC granted from MoEF & CC bearing F.No. J-11011/556/2009-IA-II (I) dated on 11.11.2019. II.CTE (NOC) Issued from WBPCB ,bearing M.No.1166-2N-07/2010 (E) dated on 10.12.2019 III. CTO obtaind from WBPCB bearing Mo.CO/28985 dated on 29.09.2020
4	Solid waste/Hazardous waste Management	Please see Annexure - 2 the hazards waste disposal status upto 2021-2022.
5	Water Conservation/water pollution	We have already installed Effluent Treatmeant process and STP for treatment of waste water and treated water reused in process ,dust suppression and plantation.
6	Installation of Continuous stack monitoring system & its calibration in major stack and seeting up of the online ambient air quality monitoring stationby June 2005.	We have already installed 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standard prescribed in Environment (Protection) Rules 1986 issued vide G.S.R.277 (E) Dated 31 st March 2012 (Intigrated iron & Steel Industry) and also connected to SPCB and CPCB online servers,and also inform time to time calibrate the same.
7	To operate the existing pollution control equipment efficiently and to keep proper record of run hour, failure time and efficiency with immediate effect compliance report in this regard to submitted to CPCP /SPCB every three months.	Eisting our pollution control equipment operate continuously and also inform six month compliance report submitted tine to time to Regional Pollution Control Board and MoEF.
8	To implement the recommedations of life cycle assessment (NCA) study sponsored by MOEF by december 2003	Not Applicable
9	The industry will initiate the state to adope the following clean technological / measures to improve the performance to industry towards Production, Energy and Environment	
A	Energy recovery of top blast furnace (BF) gas.	We have already install 4.7 MW Power Plant for recovery of top blast furnace (BF) gas and used own consumption.
b	Use of Tar-free runner linings	We are using from very begning Tar-free runner linings

For KIC METALIKS LTD

PRADIP DAS
DY. MANAGER

	<i>e-dusting of Cast House at tap holes runners, skimmers ladles and charging points.</i>	<i>Not Applicable</i>
D	<i>Suppression of fugitive emissions nitrogen gas or other inter gas.</i>	<i>Not Applicable</i>
E	<i>To study the possibility of slag and flyash 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.</i>	<i>Not Applicable due to Blast Furnace Slag 100% sale to Cement Industry and also inform that we are not generation any types of Fly Ash.</i>
F	<i>Processing of the waste containing flux and ferrous wastes through waste recycling plant</i>	<i>Not Applicable</i>
G	<i>To implement rain water harvesting.</i>	<i>Rain water harvesting already implement and day to day improve the same.</i>
H	<i>Reductions of green house gases by</i>	<i>Not Applicable</i>
I	<i>Reductions in power consumptions</i>	<i>We have taken various steps for reduction in power consumptions such as : 1. We have started using LED Bulbs 2. Preventive Maintenance of all types of Motors. 3. Clear instructions have been given to keep all electrical switches off when not in use 4. Using good quality wire 5. We have started replacing colored fibre sheets with white fibre sheets for roofing to reduce power consumption during day time and many other steps have been taken for reduction in power consumption.</i>
J	<i>Promotion of energy optimization technology including energy audit</i>	
K	<i>To set targets of resources conservations such as raw material, energy and water consumption to match international standards</i>	<i>Company taken various steps for resources conservation such as : 1. All types raw materials generation fines reused. 2. We have already installed 4.7 MW Power Plant for recovery of top blast furnace (BF) gas and used own consumption. 3. water consumption per ton steel shall not exceed as per permission level of Pig Iron production.</i>
L	<i>Up-gradations in the monitoring and analysis facilities for air and water pollutants. Also to impart elaborate training to the manpower so that realistic data is obtained in the Environment monitoring laboratories</i>	<i>Company day to day upgradation monitoring and analysis facilities for Air and Water pollutants such as : 1. RPCB monitoring and analysis air and water four times in a year. 2. NABL accredited Lab four times and 3. Co's own lab day to day water monitoring and analysis and also maintain a register.</i>
M	<i>To improve overall house keeping</i>	<i>Our Company day to day improve overall house keeping department wise and also inform that the top management visited the plant weekly, due to result accident minimize, clean environment, no dumping here and there, meanwhile Housekeeping is our routing job.</i>
N	<i>Sponge Iron plants</i>	<i>We have not installed the Sponge Iron Plant till now.</i>

For KIC METALIKS LTD

PRADIP DAS
DY. MANAGER



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL :indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	:	Report No: ICI/HL/W/RN-1604A/2022	Format No: ICI/FM/H/67
Customer Name	:	M/s. KIC METALIKS LIMITED	Sample ID No : 2022/W-1604A
Address	:	Raturia, Angadpur, Durgapur – 15, Burdwan	Sampling Date : 13.09.2022
#Customer Representative Name & Contact Number	:	Mr. Pradip Das Mob. No. +91-9874943332	Sampling Time : 11:00 AM
			Analysis Start Date : 15.09.2022
			Analysis complete Date : 19.09.2022
#Work Order No.	:	KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	
#Sample Description	:	EFFLUENT	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part 1): 1987 (RA 2019), APHA 23 rd ed 2017	
#Location	:	STP FINAL OUTLET	
# Material/ Test Specification	:	Schedule – VI: General Standards for Discharge of Environmental Pollutants Part A: Effluents: The Environment (Protection) Rules, 1986	

Sl. No.	Parameters	Unit	Result	Schedule – VI: General Standards for Discharge of Environmental Pollutants Part A: Effluents**		Method Followed
				Inland Surface Water	Public Sewers	
1.	pH (at 27°C)	---	6.93	5.5-9.0	5.5-9.0	IS:3025(Part-11):1983 : RA 2017, APHA 23 rd Edition 4500-H* B
2.	Total Suspended Solid (TSS)	mg/L	92.0	100 mg/L (max)	600 mg/L (max)	IS:3025 (Part-17): 1984 : RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	132.5	250 mg/L (max)	Not Specified	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	28.0	30 mg/L (max)	350 mg/L (max)	IS:3025 (Part-44): 1993 : RA 2019,
5.	Oil and Grease	mg/L	9.5	10 mg/L (max)	20 mg/L (max)	IS:3025 (Part-39): 1991 : RA 2019, APHA 23 rd Edition 5520B,

**The Environment (Protection) Rules, 1986

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note :
- # Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India
 - Sample submitted and identified by customer as: N.A.
 - Test results shown in this test report relate only to the sample (s) only
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory
 - Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
 - Location of Testing: Haldia Laboratory

Page 1 of 1

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

Analysis Report of Waste Water/Solid Samples Inspection Id: U00500000150959010921651
 Identification Code: 1 7 0 8 2 0 2 1 3 3 2 4

Analysis Done At:



WEST BENGAL POLLUTION CONTROL BOARD
 Durgapur Regional Laboratory, Paribesh Bhawan, Durgapur-713 216

Mr. D. Das, AEE

Sample Collected by (First name only in short) (As indicate in the label affixed to the sample container)	Date=>	17/08/2021	Office Code=>	00000011
Name of Unit / Source:	M/s. KIC Metaliks Ltd.			
Address:	102 P.O.- Raturia P.S.- Coke Oven Dist.- Burdwan(W) Pin Code- 713215			
Sl.	Sampling Details (Collection/Discharge)	T#/U#	Collection Time	
1	Power House Discharge	T	1325	

#Treated / Untreated

Parameters*	Sample Serial Number	
	1	
TSS	10.00	
Total Chromium	BDL	
Zinc	1.53	
Phosphate-P	0.04	
pH (Unit)	6.56	
Copper	BDL	
Iron	0.18	
O&G	<1.00	

*All Parameters expressed in mg/l excepting pH

BDL : Below Detectable Limit, NT : Not Traceable , NE : Not Exerted, N.A. : Not Applicable

Remarks: Treatment facility exists..

Analysis of Metals done at Baarrackpore Regional laboratory, WBPCB.

10/09/2021
Date of Reporting

Signature of (JS/S/SS)

10/09/2021
Signature of In-charge

- Copy to : 1. Chief Engineer, Operation & Execution, WBPCB
 2. Senior Scientist & In-Charge, BRL, WBPCB
 3. Durgapur Regional Office, WBPCB
 4. Industry

For KIC METALIKS LTD

PRADI DAS
DY. MANAGER

Analysis Report of Waste Water/Solid Samples

Inspection Id:

U00500000150959230622548

Identification Code:

2 1 0 6 2 0 2 2 3 4 3 8

Analysis Done At:



WEST BENGAL POLLUTION CONTROL BOARD
Durgapur Regional Laboratory, Paribesh Bhawan, Durgapur-713 216

Mr. S. Banerjee, AEE

Sample Collected by (First name only in short) (As indicate in the label affixed to the sample container)	Date=>	21/06/2022	Office Code=>	00000011
Name of Unit / Source:	M/s. KIC Metaliks Ltd.			
Address:	102 P.O.- Raturia P.S.- Coke Oven Dist.- Burdwan(W) Pin Code- 713215			
Sl.	Sampling Details (Collection/Discharge)	T#/U#	Collection Time	
1	Power House Discharge → Recycled	U	1715	

#Treated / Untreated

Parameters*	Sample Serial Number
	1
TSS	14.00
COD	16.77
pH (Unit)	8.27
BOD	Not Done
O&G	< 1.00

*All Parameters expressed in mg/l excepting pH

BDL : Below Detectable Limit, NT : Not Traceable , NE : Not Exerted, N.A. : Not Applicable

Remarks: Nil.

08/07/2022
Date of Reporting

Signature of (JS/S/SS)

Signature of In-charge

Copy to : 1. Chief Engineer, Operation & Execution, WBPCB

2. Chief Scientist, WBPCB
3. Durgapur Regional Office, WBPCB
4. Industry

For KIC METALIKS LTD

PRADIP DAS
DY. MANAGER



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.09.2022	:	Report No: ICI/HL/N/TC-169/2022	Format No: ICI/FM/H/68
Customer Name	:	M/s. KIC METALIKS LIMITED	
Address	:	Raturia, Angadpur, Durgapur - 15, Burdwan	
#Customer Representative Name & Contact No.	:	Mr. Pradip Das Mob. No. +91-9874943332	
#Work Order No.	:	KIC/ADMIN/2022-23/018 Dtd. 08.09.2022	
#Sample Description	:	AMBIENT NOISE	
Sampling Method	:	By Digital Noise Meter	
Test Method	:	IS 9989:1981 (RA 2020)	
Monitoring Details:			
Height from the floor	:	1.5 M	Total Time (T) : 18 Min
Distance of Source	:	3.0 M	Difference (dt) : 2 Min

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2022/N-905	13.09.2022	12:15 PM	70.26	72.2	67.2	As per note

#Noise Source/ Location: BACK SIDE OF PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2022/N-906	13.09.2022	01:05 PM	66.36	69.8	64.1	As per note

#Noise Source/ Location: NEAR SINTER PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2022/N-907	13.09.2022	03:45 PM	73.53	71.5	70.2	As per note

*Note:

NOISE STANDARD

Area Code	Category of Area/ Zone	Limits dB (A) Leq	
		Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Source: The Noise Pollution (Regulation & Control) Rules, 2000

Prepared By: N. Mondal

Checked By: A. Patra

For: INDICATIVE CONSULTANT INDIA

Parbati Golu
(Quality Manager)
Signatory Authority

Parbati Golu
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Sampling was done in front of customer's representative
Estimated Uncertainty: Not Required

- Note: 1. = Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. Noise data was recorded at the customer site in presence of customer's representative.
7. Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. The reproduction of the report except in full is invalid without written approval of the laboratory
9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

Page 1 of 1

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



IRN : c572f2834a01919935b18b720baee0d7e501275a880c2f27-09c46698b69a8b22
 Ack No. : 182211657220829
 Ack Date : 6-May-22

KIC METALIKS LIMITED

Works: Vill Raturia, P.O Angadpur
 Durgapur-713 215, Dist. Burdwan, West Bengal
 Regd: Sir RNM House, 4th Floor, Room No:2
 3B Lal Bazar Street, Kolkata: 700 001
 CIN No: L01409WB1986PLC041169
 Phone: (033) 3068-8681/8693, Fax: (033) 4001-9636
 GSTIN/ UIN: 19AABCK3058J1ZD
 State Name : West Bengal, Code : 19

Consignee (Ship to)

TEXSUS-LUB

DELHI ROAD, BAMUNARI
 RISHRA PO-MOLLABER
 HOOGHLY- 712250
 WEST BENGAL

GSTIN/ UIN : 19AANFT3718M1ZH
 State Name : West Bengal, Code : 19
 Buyer (Bill to)

TEXSUS-LUB

DELHI ROAD, BAMUNARI
 RISHRA PO-MOLLABER
 HOOGHLY- 712250
 WEST BENGAL

GSTIN/ UIN : 19AANFT3718M1ZH
 State Name : West Bengal, Code : 19
 Place of Supply : West Bengal

Invoice No.

KIC/22-23/00371

Delivery Note

KIC/DO/22-23/061

Reference No. & Date.

KIC/DO/22-23/061 dt. 2-May-22

Dispatch Doc No.

Dispatched through

Bill of Lading/LR-RR No.

Terms of Delivery

1. All disputes will be subject to Kolkata jurisdiction only
2. Goods once sold will not be taken back or exchanged
3. Seller is not responsible for any loss or damage of goods in transit
4. Bill not paid by due date will attract interest @ 21% p.a.
5. Any variation in levy of GST will be to Buyer's account
6. EX FACTORY SALE

Dated

6-May-22

Mode/Terms of Payment

Other References

Delivery Note Date

2-May-22

Destination

HOOGLY

Motor Vehicle No.

WB25E-2811

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	GREASE/SLUDGE (USED)	2710	2,310 KG	30.95	KG	71,494.50
2	USED OIL	2710	2,100 LTR	35.71	LTR	74,991.00
						1,46,485.50
						SGST 13,183.70
						CGST 13,183.70

Total

₹ 1,72,852.90

E. & O.E

Amount Chargeable (in words)

Indian Rupees One Lakh Seventy Two Thousand Eight Hundred Fifty Two and Ninety paise Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total
		Rate	Amount	Rate	Amount	Tax Amount
2710	1,46,485.50	9%	13,183.70	9%	13,183.70	26,367.40
	Total		13,183.70		13,183.70	26,367.40

Tax Amount (in words) : **Indian Rupees Twenty Six Thousand Three Hundred Sixty Seven and Forty paise Only**Company's PAN : **AABCK3058J**

Declaration





We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for KIC METALIKS LIMITED

Authorised Signatory

FROM 10
{ See Rule 19 (1) }

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1.	Sender's name and mailing address (including Phone No. and e-mail)	K I C METALIKS LTD. Angad Pur, Ratuella, Durgapur.	
2.	Sender's authorisation No.	233/25 (HW) - 3503/2018	
3.	Manifest Document No.		
4.	Transporter's name and address : (including Phone No. e-mail)	TEXSUS LUB. Vill - Gomodanga, P.O. Mollarber, P.S. Dankuni, Hooghly - 712250	
5.	Type of vehicle	(Truck/Tanker/Special Vehicle)	
6.	Transporter's registration No.	03/25 (HW) - 3591/2019	
7.	Vehicle registration No.	WB 25E 2811	
8.	Receiver's name and mailing address (including Phone No. and e-mail)	TEXSUS LUB VILL - GOMODANGA, P.O.- MOLLARBER, P.S. DANKUNI, DIST. HOOGHLY - 712250 e-mail- sahag209@gmail.com / PH. 8777742618	
9.	Receiver's authorisation No.	03/25 (HW) - 3591/2019	
10.	Waste description	used oil / waste oil	
11.	Total quantity No. of Containers	used oil - 2100 Ltr / Sludge - 2310 kg m ³ or MT 21 Nos.	
12.	Physical form.	(Solid / Semi Solid / Sludge / Oily / Tarry / Slurry Liquid)	
13.	Special handling instruction and additional information	Handle with care	
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labeled and are in all respects in proper conditions for transport by road according to applicable national government regulations.	
15.	Name and stamp 	Signature 	Month Day Year 0 5 0 6 2 0 2 2
	Transporter acknowledgement of receipt of wastes		
16.	Name and stamp TEXSUS LUB P.O. Mollarber Dist.- Hooghly-712250	Signature 	Month Day Year 0 5 0 6 2 0 2 2
	Receiver's certification for receipt of hazardous and other waste		
	Name and stamp TEXSUS LUB P.O. Mollarber Dist.- Hooghly-712250	Signature 	Month Day Year 0 5 0 6 2 0 2 2

Forwarded to WBPCB by sender.

Form No 97

Receipt Voucher

No. 1059

[Vide Rules 17 & 249]

Date 13-04-2021

DURGAPUR Municipal Corporation

Received From PRADIP DAS

On Account of (Account Head)

Amount Remarks(if any)

1405005 GARBAGE COLLECTION FEES

36000.00 01/04/21 TO 31/03/22

T O T A L

36000.00

USER CHARGE

The Sum of Rupees Thirty Six Thousand Only

(in Figures) Rs. *****36000.00 [Cash:*****0.00 , Chq/DD:*****36000.00]

Chq/DD Detail: No.468807 Dt 08/04/21 Amt 36000.00 On YES



Cashier

RAJKUMAR 13-04-21 12:44 PM

Vice Chairman/Auth. Signatory/



For KIC METALMS LTD


 PRADIP DAS
 DY. MANAGER







Shine NDT Services

Industrial RT,UT,Thickness Gauging,MPI,DP,PMI,PWHT
(NDT Level-II Training & Certification Conducted as per ASNT)

ANNEXURE – 11

INVOICE

To
KIC METALIKS LTD.
Raturia,Angadpur,Durgapur,W.B
KIC-GST ID-19AABCK3058J1ZD
West Bengal Code-19

Bill No: RA-22-23/008

Date: 03.05.2022

Site: Raturia , Durgapur

W.o No. & Date. KIC/ADMIN/2022-23/005
Dated : 27.04.2022

SR NO	DESCRIPTION	QUANTITY	RATE(Rs.)	AMOUNT(Rs.)
1	Towards the charges for UT job at your raturia,durgapur site during 02.05.2022 & 03.05.2022	LumSum	20000.00	20000.00
IT PAN NO:ACMFS1548M			Total	20000.00
GST IN -19ACMFS1548M1ZF West Bengal Code-19			CGST-9%	1800.00
AXIS A/C-921020033417408 [IFSC -UTIB0000261]			SGST-9%	1800.00
Amount(In Word):Twenty Three Thousand Six Hundred Only.			GROSS TOTAL	23600.00

For,



SHINE NDT SERVICES

Authorized Signature

Registered Office

Basudevpur, Nandakumar, Purba Medinipur, West Bengal-721632

Branch Office

● Girishmore, Haldia, Purba Medinipur, West Bengal,
3137/4, Ambikadarshan Society ,B/H- Vakal School, Bajwa, Vadodara, Gujrat

Tel: 03228-299152, Mob: +91-9733684952 / 9933554668 / 8145252980, E-mail : shinendts@gmail.com, Web : www.shinendt.co.in



Shine NDT Services

Industrial RT,UT,Thickness Gauging,MPI,DP,PMI,PWHT
(NDT Level-II Training & Certification Conducted as per ASNT)

ULTRASONIC TEST REPORT

Report No	SNDTS/KIC/UT/22-23/001	Date	03.05.2022	
CLIENT	KIC METALIKS LTD.	Equipment	Make-EINSTEIN-II,DGS	
Date Of Test	02.05.2022		SL NO-E1686-0812	
Location	Raturia,Angadpur,Durgapur 15.	Transducer	EAM 70°	
Drg no	MBF-KCL-1302	Frequency	4 MHz	
Scope of Test	100 % Weld Joints of Gas line to Sinter Plant.	Transducer Type	ANGLE Probe	
Reference Standard	ASME Sec V	Couplant	Grease	
Acceptance Standard	ASME Sec VIII, DIV -1, ART 4, APP12	Surface Condition	As Grind	
Signal Amplitude	1st BWE to 100% FSH.	Scanning dB	62 dB (56 dB+6 dB)	
Calibration Block	IIW V1 Block	Testing Method	Pulse Echo/Contact/Angular Beam	
Sr. No.	Mark No.	Thk.	Observation.	Remarks.
1	MBF Gas line joint no 1 to 32 nos	1100 X 10 mm	Ut carried out for mentioned weld joints no recordable indication observed hence all joints are acceptable.	Acceptable.
2	MBF TO SINTER Gas line joint no-1 to 55 nos.	10 mm		Acceptable.
 SIGN OF TECHNICIAN Name : Biswajit Maiti Crt No- NIS/170600006				

Registered Office

Basudevpur, Nandakumar, Purba Medinipur, West Bengal-721632

Branch Office

● Girishmore, Haldia, Purba Medinipur, West Bengal,
3137/4, Ambikadarshan Society ,B/H- Vakal School, Bajwa, Vadodara, Gujrat

Tel: 03228-299152, Mob: +91-9733684952 / 9933554668 / 8145252980, E-mail : shinendts@gmail.com, Web : www.shinendt.co.in




Shine NDT Services

Industrial RT, UT, Thickness Gauging, MPI, DP, PMI, PWHT
(NDT Level-II Training & Certification Conducted as per ASNT)



ULTRASONIC TEST REPORT

Report No	SNDTS/KIC/UT/22-23/002	Date	03.05.2022	
CLIENT	KIC METALIKS LTD.	Equipment	Make-EINSTEIN-II,DGS	
Date Of Test	02.05.2022 & 03.05.2022		SL NO-E1686-0812	
Location	Raturia,Angadpur,Durgapur 15.	Transducer	EAM 70°	
Drg no	MBF-KCL-1302	Frequency	4 MHz	
Scope of Test	100 % Weld Joints of Gas line to Sinter Plant.	Transducer Type	ANGLE Probe	
Reference Standard	ASME Sec V	Couplant	Grease	
Acceptance Standard	ASME Sec VIII, DIV -I, ART 4, APP12	Surface Condition	As Grind	
Signal Amplitude	1st BWE to 100% FSH.	Scanning dB	62 dB (56 dB+6 dB)	
Calibration Block	IIW V1 Block	Testing Method	Pulse Echo/Contact/ Angular Beam	
Sr. No.	Mark No.	Thk.	Observation.	Remarks.
1	MBF TO POWER PLANT GAS LINE Joint no - 1 to 28 nos.	500 X 8 mm	Ut carried out for mentioned weld joints no recordable indication observed hence all joints are acceptable.	Acceptable.
				
SIGN OF TECHNICIAN Name : Biswajit Maiti Crt No- NIS/170600006				

Registered Office

Basudevpur, Nandakumar, Purba Medinipur, West Bengal-721632

Branch Office

● Girishmore, Haldia, Purba Medinipur, West Bengal,
3137/4, Ambikadarshan Society ,B/H- Vakal School, Bajwa, Vadodara, Gujrat


Tel: 03228-299152, Mob: +91-9733684952 / 9933554668 / 8145252980, E-mail : shinendts@gmail.com, Web : www.shinendt.co.in



Shine NDT Services

Industrial RT,UT,Thickness Gauging,MPI,DP,PMI,PWHT
(NDT Level-II Training & Certification Conducted as per ASNT)

ULTRASONIC TEST REPORT

Report No	SNDTS/KIC/UT/22-23/003	Date	03.05.2022		
CLIENT	KIC METALIKS LTD.	Equipment	Make-EINSTEIN-II,DGS		
Date Of Test	03.05.2022		SL NO-E1686-0812		
Location	Raturia,Angadpur,Durgapur 15.	Transducer	EAM 70°		
Drg no	MBF-KCL-1302	Frequency	4 MHz		
Scope of Test	100 % Weld Joints of Gas line to Sinter Plant.	Transducer Type	ANGLE Probe		
Reference Standard	ASME Sec V	Couplant	Grease		
Acceptance Standard	ASME Sec VIII, DIV -I, ART 4, APP12	Surface Condition	As Grind		
Signal Amplitude	1st BWE to 100% FSH.	Scanning dB	62 dB (56 dB+6 dB)		
Calibration Block	IIW V1 Block	Testing Method	Pulse Echo/Contact/Angular Beam		
Sr. No.	Mark No.	Joint No.	Thk.	Observation.	Remarks.
1	Downcomer (20014) Pipe No - 3	LS- A,B,C	1500 X 10 mm	Ut carried out for mentioned weld joints no recordable indication observed heance all joints are acceptable.	Acceptable.
2	Up Take (26176)	LS- A,B,C	1500 X 10 mm		Acceptable.
3	BF Gas Line	LS- A,B	1500 X 10 mm		Acceptable.
					
SIGN OF TECHNICIAN Name : Biswajit Maiti Crt No- NIS/170600006					

Registered Office

Basudevpur, Nandakumar, Purba Medinipur, West Bengal-721632

Branch Office

● Girishmore, Haldia, Purba Medinipur, West Bengal,
3137/4, Ambikadarshan Society ,B/H- Vakal School, Bajwa, Vadodara, Gujrat

Tel: 03228-299152, Mob: +91-9733684952 / 9933554668 / 8145252980, E-mail : shinendts@gmail.com, Web : www.shinendt.co.in



K I C METALIKS LIMITED

ANNEXURE - 12

"Sir RNM House", 3B, Lal Bazar Street
4th Floor, Room No. 2, Kolkata - 700 001
Phone : +91-33-4007 6552
Fax : +91-33-4001 9636

Ref. No. KIC/POLLU-FORM-V/2022-23/039

The IGF & Incharge
GOI, MOEF & CC
Integrated Regional Office, Kolkata
1B-198, Salt Lake City, Sector - III,
Kolkata - 700 106

Date : 27.05.2022



Sub :- Submission of Environmental Statement for the year of 2021 - 2022

Ref : Ministry's Environmental clearance No. J- 11011/556/2009-IA.II (I) Dated 11.11.2019

Dear Sir,


With reference to the above subject we would like to inform you that we have Submission of Environmental Statement **Form - V** for the year of 2021-22.

Please find enclosed herewith other related documents for your ready reference.

We would be obliged for your kind co-operation in this regard.

Thanking you,

Yours faithfully,
For KIC METALIKS LTD.


Sukhamay Kundu
Sr. General Manager
Mob.No. 9874943332/27



RECEIVED
CONTENTS NOT VERIFIED
Date 15/6/2022
MOEF&CC, IRO, KOLKATA
TDS

Copy to: The Environmental Engineer
Durgapur Regional office, West Bengal Pollution Control Board
City Centre, Durgapur - 16

CIN : L01409WB 1986PLC041169

Factory : Raturia, Angadpur, Durgapur - 713 215, Phone : 98749 43345
E-mail : info@kicmetaliks.com Website : www.kicmetaliks.com

[FORM – V]
(See rule 14)

Environmental Statement for the financial year ending the 31st March 2022

PART – A

(i) Name and address of the owner/occupier : Radhey Shyam Jalan (MD)
of the industry operation or process. KIC METALIKS LTD.
Factory : Raturia,Angadpur,DGP –15 (WB)

Reg. Office : “ Sir RNM House ” 3B Lal Bazar
Street,4th Floor,Room No.2,Kol-1

(ii) Industry category Primary ----- : Red Category
(STC code) Secondary.-----
(SIC Code)

(iii) Production capacity.-----Units

1. Pig Iron -----	2,35,000 MTPA
2. Cement -----	30,000 MTPA
3. Sinter -----	3,60,000 MTPA
4. CPP -----	4.7 MW

(iv) Year of establishment : Year : 1998

(v) Date of the last environmental statement submitted : The financial year ending
the 31st March' 2021

PART – B

Water and River Material Consumption Enclosed Annexure - A

(1) Water consumption m³/d:

Process -----	39165.84	KL/PA
Cooling -----	174070.40	KL/PA
Domestic -----	4351.76	KL/PA

Name of Products :

PIG IRON & SINTER.

For KIC METALIKS LTD

PRADIP DAS
DY. MANAGER

During the previous financial Year

1. PIG IRON 163224.98 MT
2. SINTER 248116.00 MT

During the Current financial year

- 109145.84 MT
- 147367.000 MT

3. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

Raw Material Consumption

Enclosed

ANNEXURE - B

Name of raw materials	Name of products	Consumption of raw material per Unit of output	
		During the previous financial year 2020-21	During the current financial year 2021-22

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART - C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water	: Zero discharges is maintained .Treated domestic water is being used in horticulture and green belt development.		
b) Air	: Stack Emission :		
	(i) Stack attached with Stove--- Stack Emission within the permissible Limit.		
	(II) Stack attached with CPP --- Stack Emission within the permissible Limit.		
	(III) Stack attached with Tail ESP (SP)--- S. Emission within the permissible Limit.		
	(IV) Stack attached with Head ESP(SP)--- S. Emission within the permissible Limit.		
	(IV) Stack attached with Cement Plant-- Stack Emission within the permissible Limit.		
	(IV) Stack attached with MBF-- Stack Emission within the permissible Limit.		

PART - D

For KIC METALIKS LTD
PRADIP DAS
DY. MANAGER

Hazardous Wastes

(as specified under Hazardous Waste Management and Handling Rules, 1989) Hazardous Waster	Total Quantity (Kg.)	
	During the previous Financial Year 2020 – 2021	During the current Financial year 2021 - 2022

a) From process : NIL NIL

b) From pollution control facilities : Sinter Plant :- Bag Filter, ESP & MBF :-Dust-Catcher, Saturator, ventury 1& 2,Mositure Separator,Thickner etc.

PART – E Solid Waste

Total Quantity	
During the previous financial year 2020 - 2021	During the current financial year 2021 - 2022

a)From process : Granulated Slag & Sinter Fines--- Granulated Slag & Sinter Fines
67105 MT 14,016.18 MT--- 42790 MT 00.00 MT
Sold re-utilized --- Sold re-utilized

b)Form pollution control facility : Sinter Plant :- Bag Filter, ESP & MBF :- Dust-Catcher, Saturator, ventury 1& 2,Mositure Separator,Thickner etc.

- (c) (1) Quantity recycled or re-utilize
within the unit : Sinter Fines 100% re-utilize
 (2) Sold : Granulated Slag
 (3) Disposed : NIL

PART – F

For KIC METALIK LTD

 PRADIP DAS
 DY. MANAGER

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous Waste :

All used chemical Galan / Jar generated from the different section of the Plant is being collected and then stored at Hazardous waste room & used container takes back by the supplier and after refilling they again supply us and other Hazardous Waste will be sale out to authorizes recycler.

Solid Waste :

Granulated Slag is generated during the process of Pig Manufacturing and sold out to Cement Industry.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Utilization of raw materials for the manufacturing of Pig Iron :

We are consume all type of raw materials per day from different place or mines transported in cover and stored the same maximum covered with tarpaulin.

Energy efficient equipments like **CFL** and **LED** lights have been installed to conserve energy.

Green Area – Well maintained green area is developed at inside the Factory premises to reduce noise pollution, air pollution.

D.G Sets are equipped with acoustic enclosure & stacks of adequate height to reduce the noise and control the stack emission to abate air pollution and also inform DG SET running in case of emergency only.

PART – H

For KIC METALIKS LTD
PRADIP DAS
DY. MANAGER

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- (1) Reduce the fresh water requirement
- (2) Acoustic Enclosure – Reduce the noise level.

PART – I

Any other particulars for improving the quality of the environment.

Green Area develop day to day – Reduce Noise level, Reduce air pollution, and increase beauty of scenery.

For KIC METALIKS LTD


PRADIP DAS
DY. MANAGER

PART - B

KIC METALIKS LTD. RATURIA, ANGADPUR, DGP 15

ANNEXURE - A

DETAILS OF WATER CONSUMPTION
PERIOD FROM 01.04.2021 TO 31.03.2022

AS PER DPL REPORT WISE			
FROM	TO	YEAR	KL
APRIL, 2021	MAY	2021	29730
JUNE	JULY	2021	27160
AUGUST	SEPTEMBER	2021	29570
OCTOBER	NOVEMBER	2021	29850
DEC'2021	JANUARY'2022	2021-22	30010
FEBRUARY	MARCH	2022	26030
TOTAL CONSUMPTION			172350

AS PER DMC REPORT WISE			
FROM	TO	YEAR	KL
APRIL		2021	13027
MAY	JUNE	2021	2214
JULY		2021	1025
AUGUST		2021	1001
SEPTEMBER		2021	1350
OCTOBER		2021	628
NOVEMBER		2021	1842
DECEMBER		2021	1306
JANUARY, 2022	FEBRUARY	2022	1342
TOTAL CONSUMPTION			23735

FROM RAIN WATER RESERVER			
FROM	TO	YEAR	KL
APRIL, 2021	MAY	2021	4532
JUNE	JULY	2021	3642
AUGUST	SEPTEMBER	2021	4668
OCTOBER	NOVEMBER	2021	4336
DEC'2021	JANUARY'2022	2021-22	4325
FEBRUARY	MARCH	2022	0
TOTAL CONSUMPTION			21503

TOTAL WATER CONSUMPTION FROM 1ST APRIL'2021 TO 31 ST MARCH': 217588 KL

INDUSTRIAL PURPOSE USED	APPROX	39165.84
COOLING PURPOSE USED	APPROX	174070.4
DOMESTIC PURPOSE USED	APPROX	4351.76
		217588

DPL - DURGAPUR PROJECT LIMITED
DMC - DURGAPUR MUNICIPAL CORPORATION

For KIC METALIKS LTD

PRADIP DAS
DY. MANAGER

FORM V (SEC RULE 14)
RAW MATERIAL CONSUMPTION FROM 1ST APRIL 2021 TO 31 MARCH 2022

SL.NO.	NAME OF RAW MATERIALS	NAME OF PRODUCTION FINIS GOODS	CONSUMPTION OF RAW MATERIALS.	
			M / TON DURING THE PREVIOUS FINANCIAL YEAR FROM 01.04.2020 TO 31.03.2021	M / TON DURING THE CURRENT FINANCIAL YEAR FROM 01.04.2021 TO 31.03.2022
1	IRON ORE		71,406.20	49,391.35
2	SINTER	PIG IRON	220,736.60	145,669.25
3	DOLomite		16,461.94	7,501.02
4	LIME STONE	2020-21 - 163224.98 MT	18,805.54	14,230.64
5	COAL		-	6,546.90
6	QUARTZITE		-	-
7	PYROXINITE	2021-22 - 109145.84 MT	-	1,085.84
8	COKE		130,824.79	87,962.10
9	IRON ORE FINES	SINTER	226,324.49	144,517.82
10	SINTER FINES		14,016.18	-
11	COKE FINES	2020-21 - 248116.000 MT	31,627.18	23,054.44
12	LIME STONE FINES		31,623.52	23,224.92
13	DOLomite FINES	2021-22 - 147367.000 MT	29,731.30	16,335.47
14	MILL SCALE		9,568.43	1,488.97
SL.NO.	NAME OF RAW MATERIALS	NAME OF PRODUCTION FINIS GOODS	GENERATION	
			M / TON DURING THE PREVIOUS FINANCIAL YEAR FROM 01.04.2020 TO 31.03.2021	M / TON DURING THE CURRENT FINANCIAL YEAR FROM 01.04.2021 TO 31.03.2022
1	GRANULATED SLAG	BY-PRODUCT	67105 MT	42790 MT

For KIC METALIKS LTD


 PRADIP DAS
 DY. MANAGER